

**Reunion · Recuperation · Reconfiguration  
Reencuentro · Recuperación · Reconfiguración  
Reencontro · Recuperação · Reconfiguração**



**4S/ESOCITE**  
2<sup>nd</sup> Joint Meeting Cholula, México  
*7–10 December 2022*

SOCIETY FOR SOCIAL STUDIES OF SCIENCE, 4S  
ASOCIACIÓN LATINOAMERICANA DE ESTUDIOS SOCIALES  
DE LA CIENCIA Y LA TECNOLOGÍA, ESOCITE  
UNIVERSIDAD IBEROAMERICANA-PUEBLA



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4S/ESOCITE 2022

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**Reunion, Recuperation, Reconfiguration***Knowledges and technosciences for living together**EN*

As we deepen our understanding of inequalities, forms of oppression, and the role of sciences and technologies in them, so deepens our need to act and our sense of responsibility. For many of us, an ethic of care permeates our practices of knowledge production in STS and calls us to new ways of relating to each other. These common questions of care, responsibility, relation and action arise whether our research focuses on laboratories, forests, genetic databases, smart cities or forced migrations. The current pandemic and the ongoing climate emergency make these common questions more urgent than ever and raise concerns about the status of expert knowledge, the reconfiguration of a global geopolitical and technoscientific order, and the decentralization of epistemic infrastructures. At stake is our capacity to recuperate valuable forms of life, to learn which forms we should let go of, and, as far as we are able, to critically join in the enactment of new ones. This brings to the fore the labor required to live well with others and provides an opportunity to reconfigure things differently. Living together is both a power relation, with some disproportionately bearing the costs and others reaping the benefits, and a hope for good, or at least better, relations. Thus, reunion does not imply reviving a previous union that may be idealized by some and highly criticized by others. Reunion indicates there has been a break in relations, providing an opportunity to engage differently, this time.

As we convene for the ESOCITE/4S 2022 Joint Meeting in Cholula, Mexico, we invite our colleagues to consider how to come together again (in difference), how to recover what was valuable (and dismantle oppressive structures), and how to reconfigure assemblages of humans and more-than-humans (and design and create new ones). We aim to provoke reflection on the practices, representations, materializations, and dynamics of social relations in which science, technology and knowledge are central elements. We thus propose to continue the tradition of a deep and broad understanding of the production, use and circulation of technoscientific knowledge, as well as its critical evaluation and the way in which it is articulated with economic, social, cultural, and political power structures. This second joint conference in Latin America, after the first in Buenos Aires in 2014, invites us to update

debates that, although marked by the traditions brought together here, can transcend them, and trigger further encounters.

### *Speaking in the periphery: Cholula as a venue and place of enunciation*

The name of Cholula comes from the Nahuatl word (Nahuatl languages: *Cholōllān*), meaning “where water falls,” or “place of those who fled” – the latter being a reference to a myth about the arrival of Toltec refugees to this area. According to Mexica knowledge, the people of Cholula (Chololtecs) descended from one of the seven Aztec tribes that migrated to central Mexico from their mythical homeland Aztlan. Archeological accounts of Cholula date the first permanent settlements to between 500 and 200 BCE, with two small villages established near water sources by the eastern side of the current city. Cholula has been continuously inhabited for 25 centuries since then. By the time the Spanish arrived, Cholula was a major religious and mercantile center, with the Quetzalcoatl Temple as one of the most important pilgrimage sites in the central Mexican highlands. Hernán Cortés estimated that the city had 430 temples and about 20,000 homes in the center of the city with another 20,000 on the periphery. With 100,000 inhabitants, Cholula was as large as Paris, Delhi and Venice in the beginning of the 15th Century.

An urban center of Indigenous pilgrimage and a strategic city for the Spanish colonizers, Cholula expresses the complexity of encounters, their contradictions and potentialities, their violence and their vitality. Hosting an international conference here is an opportunity to speak from a mixed place, in several languages, with interests that are not always aligned. To speak of Cholula only as the conference venue is an understatement. We want to make it a place of enunciation for the global STS community. A space from which we can experience the challenges of communicating across differences. A place to experiment with living together better through the labor of understanding each other.

## Reencuentro, recuperación, reconfiguración *Conocimientos y tecnociencias para convivir*

*ES*

A medida que profundizamos nuestra comprensión de las desigualdades, las formas de opresión y el papel de las ciencias y las tecnologías en ellas, también se profundiza nuestra necesidad de actuar y nuestro sentido de la responsabilidad. Para muchos de nosotros, una ética del cuidado impregna nuestras prácticas de producción de conocimiento en CTS y nos llama a nuevas formas de relacionarnos. Estas cuestiones comunes sobre cuidado, responsabilidad, relaciones y acciones surgen tanto si nuestra investigación se centra en los laboratorios, los bosques, las bases de datos genéticos, las ciudades inteligentes o las migraciones forzadas. La pandemia actual y la emergencia climática en curso hacen que estos asuntos comunes sean más urgentes que nunca y plantean preocupaciones sobre el estatus del conocimiento experto, la reconfiguración de un orden geopolítico y tecnocientífico global y la descentralización de las infraestructuras epistémicas. Lo que está en juego es nuestra capacidad para recuperar formas de vida valiosas, para aprender cuáles debemos dejar de lado y, en la medida de nuestras posibilidades, para participar críticamente en la promulgación de otras nuevas. Esto pone en primer plano el trabajo necesario para vivir bien con los demás y ofrece la oportunidad de reconfigurar las cosas de otra manera. La convivencia es a la vez una relación de poder, en la que unos soportan desproporcionadamente los costes y otros recogen los beneficios, pero también es una esperanza de que las relaciones sean buenas, o al menos mejores. Así, el reencuentro no implica revivir una unión anterior que puede ser idealizada por algunos y criticada por otros. El reencuentro indica que se ha producido una ruptura en las relaciones, lo que ofrece la oportunidad de comprometernos esta vez de forma diferente.

Al reunirnos para la Reunión Conjunta ESOCITE/4S 2022 en Cholula, México, invitamos a nuestros colegas a considerar cómo volver a reunirse (en la diferencia), cómo recuperar lo que era valioso (y desmantelar las estructuras opresivas), y cómo reconfigurar los ensamblajes de humanos y más-que-humanos (y diseñar y crear otros nuevos). Pretendemos provocar la reflexión sobre las prácticas, representaciones, materializaciones y dinámicas de las relaciones sociales en las que la ciencia, la tecnología y el conocimiento son elementos centrales. Nos proponemos así continuar la

tradición de una comprensión profunda y amplia de la producción, uso y circulación del conocimiento tecnocientífico, así como su evaluación crítica y la forma en que se articula con las estructuras de poder económico, social, cultural y político. Esta segunda conferencia conjunta en América Latina, después de la primera en Buenos Aires en 2014, nos invita a actualizar los debates que, aunque marcados por las tradiciones aquí reunidas, pueden trascenderlas, y desencadenar nuevos encuentros.

### *Hablar en la periferia: Cholula como sede y lugar de enunciación*

El nombre de Cholula proviene de la palabra náhuatl (lenguas náhuatl: Cholöllän), que significa “donde cae el agua” o “lugar de los que huyeron”, siendo esta última una referencia a un mito sobre la llegada de refugiados toltecas a esta zona. Según un mito mexica, los habitantes de Cholula (choltecas) descendían de una de las siete tribus aztecas que emigraron al centro de México desde su mítica patria Aztlán. Los relatos arqueológicos de Cholula datan los primeros asentamientos permanentes entre el 500 y el 200 a.C., con dos pequeñas aldeas establecidas cerca de fuentes de agua junto al lado oriental de la ciudad actual. Desde entonces, Cholula ha estado continuamente habitada durante 25 siglos. A la llegada de los españoles, Cholula era un importante centro religioso y mercantil, con el templo de Quetzalcóatl como uno de los lugares de peregrinación más importantes del altiplano central mexicano. Hernán Cortés estimó que la ciudad tenía 430 templos y unas 20.000 viviendas en el centro de la ciudad y otras 20.000 en la periferia. Con 100.000 habitantes, Cholula era tan grande como París, Delhi y Venecia a principios del siglo XV.

Centro urbano de peregrinación indígena y ciudad estratégica para los colonizadores españoles, Cholula expresa la complejidad de los encuentros, sus contradicciones y potencialidades, su violencia y su vitalidad. Celebrar aquí una conferencia internacional es una oportunidad para hablar desde un lugar mixto, en varias lenguas, con intereses no siempre alineados. Hablar de Cholula sólo como sede de la conferencia es poco. Queremos que sea un lugar de enunciación para la comunidad STS global. Un espacio desde el que podamos experimentar los retos de la comunicación por encima de las diferencias. Un lugar en el que experimentar con una mejor convivencia a través de la labor de entendernos mutuamente.

## **Reencontro, recuperação, reconfiguração**

### *Conhecimento e tecnociências para viver juntos*

*PT*

À medida que aprofundamos nossa compreensão das desigualdades, das formas de opressão e do papel das ciências e tecnologias nelas, nossa necessidade de agir e nosso senso de responsabilidade também se aprofunda. Para muitos de nós, uma ética de cuidado permeia nossas práticas de produção de conhecimento STS e nos chama para novas formas de nos relacionarmos uns com os outros. Estas questões comuns de cuidado, responsabilidade, relações e ações surgem quer nossa pesquisa se concentre em laboratórios, florestas, bancos de dados genéticos, cidades inteligentes ou migrações forçadas. A atual pandemia e a emergência climática atual tornam estas questões comuns mais urgentes do que nunca e suscitam preocupações sobre o status do conhecimento especializado, a reconfiguração de uma ordem geopolítica e tecnocientífica global e a descentralização das infra-estruturas epistêmicas. O que está em jogo é nossa capacidade de recuperar modos de vida valiosos, de aprender quais devemos colocar de lado e, na medida em que formos capazes, de nos engajar criticamente na promulgação de novos modos. Este primeiro plano é o trabalho necessário para viver bem com os outros e oferece a oportunidade de reconfigurar as coisas de forma diferente. Viver juntos é tanto uma relação de poder, na qual alguns suportam desproporcionalmente os custos e outros colhem os benefícios, mas é também uma esperança de boas, ou pelo menos melhores, relações. Assim, o reencontro não implica o reviver de uma união anterior que pode ser idealizada por uns e criticada por outros. A reunião indica que houve uma ruptura nos relacionamentos, o que oferece a oportunidade de se engajar de forma diferente desta vez.

Ao nos reunirmos para a Reunião Conjunta ESOCITE/4S 2022 em Cholula, México, convidamos nossos colegas a considerar como reunir novamente (na diferença), como recuperar o que era valioso (e desmontar estruturas opressivas), e como reconfigurar conjuntos de humanos e mais que humanos (e projetar e criar novos). O nosso objetivo é provocar uma reflexão sobre as práticas, representações, materializações e dinâmicas das relações sociais nas quais a ciência, a tecnologia e o conhecimento são elementos centrais. Assim, pretendemos continuar a tradição de uma profunda e ampla compreensão da produção, uso e circulação do

conhecimento tecnocientífico, bem como sua avaliação crítica e a forma como se articula com as estruturas de poder econômico, social, cultural e político. Esta segunda conferência conjunta na América Latina, após a primeira em Buenos Aires em 2014, nos convida a atualizar os debates que, embora marcados pelas tradições aqui reunidas, podem transcendê-los, e desencadear novos encontros.

### *Falando na periferia: Cholula como local e lugar de enunciação*

O nome Cholula vem da palavra Nahuatl (línguas Nahuatl: Cholōllān), que significa “onde a água cai” ou “lugar dos que fugiram”, sendo este último uma referência a um mito sobre a chegada dos refugiados Toltecas a esta área. De acordo com um mito mexicano, os habitantes de Cholula (Choltecas) eram descendentes de uma das sete tribos astecas que migraram para o centro do México a partir de sua pátria mítica de Aztlán. As contas arqueológicas de Cholula datam dos primeiros assentamentos permanentes entre 500 e 200 AC, com dois pequenos povoados estabelecidos perto de fontes de água ao longo do lado oriental da cidade atual. Desde então, a Cólula tem sido habitada continuamente por 25 séculos. Na época da chegada dos espanhóis, Cholula era um importante centro religioso e mercantil, tendo o templo de Quetzalcoatl como um dos mais importantes locais de peregrinação no planalto central mexicano. Hernán Cortés estimou que a cidade tinha 430 templos e cerca de 20.000 moradias no centro da cidade e outras 20.000 na periferia. Com 100.000 habitantes, Cholula era tão grande quanto Paris, Delhi e Veneza no início do século XV.

Um centro urbano de peregrinação indígena e uma cidade estratégica para os colonizadores espanhóis, Cholula expressa a complexidade dos encontros, suas contradições e potenciais, sua violência e sua vitalidade. Realizar aqui uma conferência internacional é uma oportunidade de falar de um lugar misto, em vários idiomas, com interesses que nem sempre estão alinhados. Falar da Cólula apenas como um local de conferência não é suficiente. Queremos que seja um lugar de enunciação para a comunidade STS global. Um espaço a partir do qual podemos experimentar os desafios da comunicação através das diferenças. Um lugar onde podemos experimentar uma melhor convivência através do trabalho de compreensão mútua.

## Presidents' Welcome to ESOCITE/4S 2022

EN

When 4S President Emma Kowal first met (on Zoom, of course) with conference Co-Chairs Leandro Rodriguez Medina and Luciano Levin in November 2021, an in-person conference seemed a distant possibility. We had recently had 4S Toronto, the second virtual conference in a row, and planning something in-person seemed a little outrageous, or at least, unwisely tempting fate. It was quickly decided to shift the timing of the conference from July to December to give us, and the world, more time to recover and plan. At the time of writing, that decision has paid off, and we expect over 1,200 STS-ers in person at Universidad Iberoamericana Puebla plus an additional few hundred online.

Our conference theme of *Reunion, Recuperation, Reconfiguration* was conceived in those early days of planning when it was not clear what kind of reunion ESOCITE/4S Cholula would be. Since many of us last met in person in New Orleans, COVID-19 has turned the world upside down. Through another lens, though, it is all more of the same, with familiar lines of privilege and oppression determining who is less or more affected by the virus itself and by measures to mitigate it. Zoonoses, supply chains, viral evolution, ventilation, and messenger RNA all became far more visible as objects of science and politics. Amid the chaos of the pandemic, the climate crisis manifested in record heatwaves and floods, and Russia invaded Ukraine, underlining both the global energy crisis and the continued erosion of democracy by far-right politics in many parts of the world. During these global processes, strong social mobilizations, rebellions demanding rights, local environmental crises, and changes in political landscapes are experienced locally in Latin America, calling on CTS studios to rethink our traditions about sociotechnical controversies, the value and contribution of technosciences to society and our learning in science and technology policies.

*Reunion, recuperation, reconfiguration* expresses hope for our damaged world and a prescription for how to proceed.

Just shy of a year ago, the STS community lost Trevor Pinch, and just two months ago, Bruno Latour. Both had a lot more to give. We mourn their deaths and send condolences to family and friends left behind. At the meeting, Trevor

## 4S/ESOCITE 2022

will be remembered as part of the Sonido: Sonic Street Technologies workshop and dance on Saturday, and there will be a Latour: In Memoriam session on Thursday afternoon.

Congratulations to all the 4S prize winners this year, and please take this as a reminder to get nominations in for our 2023 prizes, closing just a few days after the conference on December 15, 2022. Special mention should be made of the Fleck Prize winner Aniket Aga from Ashoka University for his book *Genetically Modified Democracy: Transgenic Crops in Contemporary India*. Aniket was unable to make it to Cholula, so we will celebrate his achievement next year at an Author-Meets-Critic session in Honolulu, Hawai'i. Speaking of Honolulu, planning is well underway for 4S 2023 at the Hawai'i Convention Centre on November 8–11, 2023. Emma is pleased to announce that Aya Kimura and Grant Otsuki will be Conference Co-Chairs, with 4S Past President Joan Fujimura leading the Local Organising Committee.

ESOCITE also salutes two outstanding Latin American colleagues with the Oscar Varsavsky Award: Lea Velho from Brazil, and Rosalba Casas from México, who are recognized for their contribution to STS studies, their ability to frame their work around social concerns, and the formation of new generations. In this face-to-face meeting, we will have the opportunity to personally recognize those who won awards in 2020. Pablo Kreimer won the Oscar Varsavsky lifetime achievement award; Santiago Liaudat for his book *STEVIA : conocimiento, propiedad intelectual y acumulación de capital*. Santiago Liaudat will not be able to be with us. We will deliver the award to one of Santiago's collaborators and friends; Héctor Vera for his article *Counting Measures. The Decimal Metric System, Metrological Census, and State Formation in Revolutionary Mexico 1895–1940*; and Myrrena Inácio and Noela Invernizzi for their article *Nanotecnologias para doenças negligenciadas no Brasil: trajetórias de pesquisa, incentivos e perspectivas*. The 2022 book and article awards will be announced live at the joint 4S/ESOCITE session on Thursday at 6:30 pm.

This meeting is the second joint ESOCITE/4S meeting and was conceived at the first joint meeting in Buenos Aires in 2014 by Wes Shrum (a recipient of this year's 4S Infrastructure Award), Pablo Kreimer, Leandro Rodríguez and Luciano Levin. The labour of bringing the conference to life has been accomplished by the conference team of Leandro, Luciano, and Conference Secretary Steph Bojalil, working together with 4S Managing

## 4S/ESOCITE 2022

Director Amanda Windle, 4S IT Intern Shiv Issar, and 4S President Emma Kowal. Steve Coffee, 4S Webmaster and another recipient of this year's Infrastructure Award, was always in the background ready to provide guidance, for which we were very grateful. We were also incredibly lucky to have outstanding support at our hosting university Ibero from Lorena Diego y Fuentes, Bernardo Sánchez Flores, and José Enrique Ríos Vergara. Most of all, we appreciate the international STS community that has once again shown up with all their intellectual buzz and rigour. The program is bursting with ideas, and gives us hope.

Emma Kowal, 4S President  
Ronald Cancino, ESOCITE President

## Bienvenida de los presidentes a ESOCITE/4S 2022

ES

Cuando la presidenta de 4S, Emma Kowal, se reunió por primera vez (por Zoom, por supuesto) con los Chairs de la conferencia, Leandro Rodríguez Medina y Luciano Levin, en noviembre de 2021, una conferencia presencial parecía una posibilidad lejana. Recientemente habíamos tenido 4S Toronto, la segunda conferencia virtual consecutiva, y planear algo en persona parecía un poco escandaloso, o al menos, imprudentemente tentador para el destino. Rápidamente se decidió cambiar el calendario de la conferencia de julio a diciembre para darnos a nosotros, y al mundo, más tiempo para recuperarnos y planificar. Al momento de escribir este artículo, esa decisión ha valido la pena, y esperamos más de 1,200 CTSs en persona en la Universidad Iberoamericana de Puebla más unos pocos cientos adicionales en línea.

El tema de nuestra conferencia de *Reunión, Recuperación, Reconfiguración* fue concebido en aquellos primeros días de planificación cuando no estaba claro qué tipo de reunión sería ESOCITE/4S Cholula. Desde la última vez que muchos de nosotros nos conocimos en persona en Nueva Orleans, el COVID-19 ha puesto al mundo patas arriba. Sin embargo, a través de otra lente, todo es más de lo mismo, con las tendencias de privilegio opresión habituales que determinan quién se ve menos o más afectado por el virus y por las medidas para mitigarlo. Las zoonosis, las cadenas de suministro, la evolución viral, la ventilación y el ARN mensajero se hicieron mucho más visibles como objetos de la ciencia y la política. En medio del caos de la pandemia, la crisis climática se manifestó en olas de calor e inundaciones récord, y Rusia invadió Ucrania, subrayando tanto la crisis energética mundial como la continua erosión de la democracia por parte de la política de extrema derecha en muchas partes del mundo. Durante estos procesos globales, fuertes movilizaciones sociales, rebeliones que exigen derechos, crisis ambientales locales y cambios en los paisajes políticos se viven localmente en América Latina, llamando a los Estudios CTS a repensar nuestras tradiciones sobre las controversias sociotécnicas, el valor y la contribución de las tecnociencias a la sociedad y nuestro aprendizaje en políticas de ciencia y tecnología.

*Reunión, recuperación, reconfiguración* expresa esperanza

para nuestro mundo dañado y una receta sobre cómo proceder.

Hace apenas un año, la comunidad CTS perdió a Trevor Pinch, y hace solo dos meses, a Bruno Latour. Ambos tenían mucho más que dar. Lamentamos sus muertes y enviamos nuestras condolencias a familiares y amigos que quedaron atrás. En la reunión, Trevor será recordado como parte del taller y baile Sonido: Sonic Street Technologies el sábado, y habrá una sesión de Latour: In Memoriam el jueves por la tarde.

Felicitaciones a todos los ganadores del premio 4S de este año, y por favor tomen esto como un recordatorio para obtener nominaciones para nuestros premios 2023, que se cierran solo unos días después de la conferencia el 15 de diciembre de 2022. Mención especial merece la ganadora del Premio Fleck Aniket Aga de la Universidad de Ashoka por su libro *Genetically Modified Democracy: Transgenic Crops in Contemporary India*. Anitek no pudo llegar a Cholula, por lo que celebraremos su logro el próximo año en una sesión de Author Meets Critic en Honolulu, Hawai'i. Hablando de Honolulu, la planificación está en marcha para 4S 2023 en el Centro de Convenciones de Hawái del 8 al 11 de noviembre de 2023. Emma se complace en anunciar que Aya Kimura y Grant Otsuki serán Chairs de la conferencia, con la ex presidenta de 4S, Joan Fujimura, liderando el Comité Organizador Local.

ESOCITE también saluda a dos destacados colegas latinoamericanos con el Premio Oscar Varsavsky: Lea Velho de Brasil y Rosalba Casas de México, quienes son reconocidas por su contribución a los estudios CTS, su capacidad para enmarcar su trabajo en torno a las preocupaciones sociales y la formación de nuevas generaciones. En este encuentro presencial, tendremos la oportunidad de reconocer personalmente a quienes ganaron premios en 2020. Pablo Kreimer ganó el premio Oscar Varsavsky a la trayectoria; Santiago Liaudat por su libro *STEVIA : conocimiento, propiedad intelectual y acumulación de capital*. Santiago Liaudat no podrá estar con nosotros. Entregaremos el premio a uno de los colaboradores y amigos de Santiago; Héctor Vera por su artículo *Counting Measures. The Decimal Metric System, Metrological Census, and State Formation in Revolutionary Mexico 1895–1940*; y Myrrena Inácio y Noela Invernizzi por su artículo *Nanotecnologias para doenças negligenciadas no Brasil: trajetórias de pesquisa, incentivos e perspectivas*. Los premios de libros

## 4S/ESOCITE 2022

y artículos de 2022 se anunciarán en vivo en la sesión conjunta 4S / ESOCITE el jueves a las 6:30 pm.

Esta reunión es la segunda reunión conjunta ESOCITE/4S y fue concebida en la primera reunión conjunta en Buenos Aires en 2014 por Wes Shrum (ganador del Premio 4S de Infraestructura de este año), Pablo Kreimer, Leandro Rodríguez y Luciano Levin. El trabajo de dar vida a la conferencia ha sido realizado por el equipo de la conferencia, Leandro y Luciano, y la secretaria de la conferencia Steph Bojalil, trabajando junto con la directora general de 4S, Amanda Windle, el pasante de TI de 4S, Shiv Issar, y la presidenta de 4S, Emma Kowal. Steve Coffee, webmaster de 4S y otro ganador del Premio de Infraestructura de este año, siempre estaba en segundo plano listo para brindar orientación, por lo que estábamos muy agradecidos. También fuimos increíblemente afortunados de contar con un apoyo excepcional en nuestra universidad anfitriona Ibero, con Lorena Diego y Fuentes, Bernardo Sánchez Flores y José Enrique Ríos Vergara. Sobre todo, apreciamos a la comunidad CTS internacional que una vez más se ha mostrado con todo su entusiasmo intelectual y rigor. El programa está lleno de ideas y nos da esperanza.

Emma Kowal, Presidente de 4S

Ronald Cancino, Presidente de ESOCITE

## Boas-vindas dos presidentes ao ESOCITE/4S 2022

PT

Quando a presidente do 4S Emma Kowal se reuniu pela primeira vez (no Zoom, é claro) com os Chairs da conferência Leandro Rodriguez Medina e Luciano Levin em novembro de 2021, uma conferência presencial parecia uma possibilidade distante. Recentemente tivemos o 4S Toronto, a segunda conferência virtual seguida, e planejar algo pessoalmente parecia um pouco ultrajante, ou pelo menos, um destino imprudentemente tentador. Foi rapidamente decidido mudar o calendário da conferência de julho para dezembro para nos dar, e ao mundo, mais tempo para se recuperar e planejar. No momento da redação, essa decisão valeu a pena, e esperamos mais de 1.200 CTSs pessoalmente na Universidad Iberoamericana de Puebla mais algumas centenas adicionais on-line.

Nosso tema de conferência de *Reunião, Recuperação, Reconfiguração* foi concebido naqueles primeiros dias de planejamento quando não ficou claro que tipo de reunião ESOCITE/4S Cholula seria. Desde a última vez que nos encontramos pessoalmente em Nova Orleans, o COVID-19 virou o mundo de cabeça para baixo. Através de outra lente, porém, é tudo mais do mesmo, com linhas familiares de privilégio e opressão determinando quem é menos ou mais afetado pelo próprio vírus e por medidas para mitigá-lo. Zoonoses, cadeias de suprimentos, evolução viral, ventilação e RNA mensageiro tornaram-se muito mais visíveis à medida que objetos da ciência e da política. Em meio ao caos da pandemia, a crise climática se manifestou em ondas de calor recordes e inundações, e a Rússia invadiu a Ucrânia, sublinhando tanto a crise energética global quanto a contínua erosão da democracia pela política de extrema-direita em muitas partes do mundo. Durante esses processos globais, fortes mobilizações sociais, rebeliões exigindo direitos, crises ambientais locais e mudanças nas paisagens políticas são vivenciadas localmente na América Latina, convocando os estúdios CTS a repensar nossas tradições sobre controvérsias sociotécnicas, o valor e a contribuição das tecnociências para a sociedade e nosso aprendizado nas políticas de ciência e tecnologia.

*Reunião, recuperação, reconfiguração expressa esperança para o nosso mundo danificado e uma receita de como proceder.*

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Há pouco mais de um ano, a comunidade CTS perdeu Trevor Pinch, e há apenas dois meses, Bruno Latour. Ambos tinham muito mais para dar. Lamentamos suas mortes e enviamos condolências à família e amigos deixados para trás. No encontro, Trevor será lembrado como parte da oficina *sonido: Sonic Street Technologies* e dança no sábado, e haverá uma sessão *latour: In Memoriam* na quinta-feira à tarde.

Parabéns a todos os vencedores do prêmio 4S este ano, e por favor tome isso como um lembrete para obter indicações para os nossos prêmios de 2023, fechando apenas alguns dias após a conferência em 15 de dezembro de 2022. Uma menção especial deve ser feita do ganhador do Prêmio Fleck, Aniket Aga, da Universidade de Ashoka, por seu livro *Genetically Modified Democracy: Transgenic Crops in Contemporary India*. Anitek não pôde ir a Cholula, então celebraremos sua conquista no próximo ano em uma sessão de *Author-Meets-Critic* em Honolulu, Hawai'i. Falando em Honolulu, o planejamento está bem em andamento para o 4S 2023 no Centro de Convenções hawai'i nos dias 8 e 11 de novembro de 2023. Emma tem o prazer de anunciar que Aya Kimura e Grant Otsuki serão Chairs da Conferência, com a ex-presidente do 4S Joan Fujimura liderando o Comitê Organizador Local.

A ESOCITE também saúda dois colegas latino-americanos de destaque com o Prêmio Oscar Varsavsky: Lea Velho, do Brasil, e Rosalba Casas, do México, reconhecida por sua contribuição aos estudos CTS, sua capacidade de enquadrar seu trabalho em torno das preocupações sociais e pela formação de novas gerações. Neste encontro presencial, teremos a oportunidade de reconhecer pessoalmente aqueles que ganharam prêmios em 2020. Pablo Kreimer ganhou o Oscar Varsavsky prêmio de realização vitalícia; Santiago Liaudat para seu livro *STEVIA : conocimiento, propiedad intelectual y acumulación de capital*. Santiago Liaudat não poderá estar conosco. Entregaremos o prêmio a um dos colaboradores e amigos de Santiago; Héctor Vera para seu artigo *Medidas de Contagem. O Sistema Métrico Decimal, Censo Metrológico e Formação Do Estado no México Revolucionário 1895-1940*; e Myrrena Inácio e Noela Invernizzi para seu artigo *Nanotecnologias para doenças como bebidas no Brasil: trajetórias de pesquisa, incentivos e perspectivas*. Os prêmios de livro e artigo de 2022 serão anunciados ao vivo na sessão conjunta 4S/ESOCITE na quinta-feira às 18h30.

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Esta reunião é a segunda reunião conjunta ESOCITE/4S e foi concebida na primeira reunião conjunta em Buenos Aires em 2014 por Wes Shrum (vencedor do Prêmio 4S de Infraestrutura deste ano), Pablo Kreimer, Leandro Rodríguez e Luciano Levin. O trabalho de dar vida à conferência foi realizado pela equipe de conferências de Leandro, Luciano e do secretário de Conferências Steph Bojalil, trabalhando em conjunto com a diretora-gerente do 4S, Amanda Windle, a estagiária de TI 4S Shiv Issar e a presidente do 4S, Emma Kowal. Steve Coffee, Webmaster do 4S e outro ganhador do Prêmio de Infraestrutura deste ano, estava sempre em segundo plano pronto para fornecer orientação, pelo qual ficamos muito gratos. Também tivemos muita sorte de ter um excelente apoio em nossa universidade de hospedagem Ibero de Lorena Diego y Fuentes, Bernardo Sánchez Flores e José Enrique Ríos Vergara. Acima de tudo, apreciamos a comunidade internacional de STS que mais uma vez apareceu com todo o seu zumbido intelectual e rigor. O programa está repleto de ideias, e nos dá esperança.

Emma Kowal, Presidente do 4S

Ronald Cancino, Presidente do ESOCITE

## Welcoming Words by the Chairs

EN

The 2nd joint congress between ESOCITE and 4S is already a reality! We are very happy to welcome you all to this 14th ESOCITE Conference and 47th 4S Meeting with a huge program and many novelties. We resume the face-to-face interaction interrupted by the SARS-COV2 pandemic and inaugurate the fully hybrid mode of exhibition, which has cost us some sweat, but no tears. The motto of the conference, "Reunion, Recuperation, Reconfiguration" speaks to this. Meeting again, recuperating what is valuable and reconfiguring what is necessary. In 2014, on the occasion of the first joint meeting held between the two associations, more than 1000 of us met in Buenos Aires, Argentina. Today, a little further north, we join again to offer an event with almost 400 sessions, more than 1,600 papers from almost 2,500 authors, organized from more than 150 panels. We thank the members of the program committee, the organizers of open and closed panels, roundtables and Making & Doing presentations who, with their participation, made this program - and this conference - possible.

These are challenging times that require a lot of hard work and creativity. We have put our best effort into it, proposing a trilingual conference and inviting everyone to encourage this multilingualism with an excellent reception. At the same time, we encouraged the presentation of work in increasingly creative formats in almost 50 sessions of Making & Doing and through other events, such as the *Sonidero* proposals, the altars of the dead, and the exhibition "The Promise of Multispecies Justice" that we invite you to explore.

In 2014, the organizers of the first joint meeting wondered if face-to-face interaction and the building of new interpersonal relationships could help 4S and ESOCITE members better develop images of the South and North and new versions of STS emerging from the South(s) and North(s)? If we look at what has happened in these eight years, we must answer this question in the affirmative. The appearance of publications with a marked vocation to disseminate Latin American works in English and to publish research that promotes the North-South discussion are proof of this. But we should also mention that 4S has made an effort to diversify its council and committees, not only with Latin American members, but also with academics from all regions of the world. Likewise, some projects initiated by ESOCITE to carry out

joint activities with researchers and teams from the United States attest to these developments. Naturally, much remains to be done. The challenge for the future is to build a history of joint events to consolidate these efforts and to increase and strengthen the networks that, although they already exist, always require care, work and commitment.

These years without seeing each other have also brought us many losses. To the departure of Trevor Pinch and Bruno Latour, who were key in the creation and institutionalization of the social studies of science and technology, must be added the many losses that the community has suffered on a personal and professional level. The pandemic has left us particularly sensitive to the ephemeral. Hopefully, it has also left us sensitive to the important and the urgent. The ecological crisis that continues to be accepted with difficulty despite its multiple and tragic palpable consequences, is now complemented by a global economy that has been throwing millions of people into poverty and a war between nations that reminds us of (or returns to?) some of the darkest moments of our recent history. We live in such uncertain times that knowledge itself, instead of offering solutions, has become a terrain of heated disputes. If it has never been easy to build truths, it has never been easier to spread lies. One of the fields that has contributed most to the understanding of how it is that we know (and how it is that we ignore) has a special role to play in proposing, if not solutions, at least some promising paths.

This conference was born of ingenuity. "What if we organized the 2022 conference in Cholula?" asked Leandro Rodriguez Medina to the then 4S Meeting Planner, Wes Shrum. It didn't take much to get him onboard, and at that meeting in Boston, this venue was suggested and the road began to be traveled. Since then, much has happened, highlighting undoubtedly the willingness and enthusiasm with which ESOCITE joined in 2018 to make this the second joint conference. It was Luciano Levin's turn, who had already collaborated in the local organization of the 2014 meeting, to reverse roles with Leandro and take care this time from a distance - not without the usual visits - of the organization of the event. Undoubtedly, the experience accumulated by both of them has been fundamental to facilitate this work. We hope that this second step will serve to show a path that, periodically, will find us in one of the Latin American countries that, without a doubt, will be a host up to the circumstances. The Universidad Iberoamericana-Puebla

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entered the arena when, for various reasons, the originally proposed venue had to decline the organization. The support of this institution has been immense. We cannot thank them enough for their predisposition and professionalism in organizing this event, the largest conference organized at this university in its history.

Welcome to Mexico, welcome to Cholula, welcome to our second joint conference. Impossible to think of a better place to get together again. Let's enjoy and do, as we were all taught, science in action.

Leandro Rodriguez-Medina and Luciano Levin, Esocite/4S Program Chairs

## Palabras de bienvenida de los organizadores

ES

¡El 2º Congreso conjunto entre ESOCITE y 4S ya es una realidad! Estamos muy felices de darles a todos la bienvenida a este 14º Congreso ESOCITE y 47º 4S Meeting con un programa inmenso y muchas novedades. Retomamos la presencialidad interrumpida por la pandemia de SARS-COV2 e inauguramos la modalidad totalmente híbrida de exposición, que nos ha costado algo de sudor, pero ninguna lágrima. El lema del congreso, *"Reunión, Recuperación, Reconfiguración"* nos habla de ello. Volver a encontrarnos, recuperar lo valioso y reconfigurar lo necesario. En 2014, en ocasión del primer congreso conjunto celebrado entre ambas asociaciones, más de 1000 personas nos encontramos en Buenos Aires, Argentina. Hoy, un poco más al norte, volvemos a unirnos para ofrecer un evento con casi 400 sesiones, más de 1600 trabajos de casi 2500 autores, organizadas a partir de más de 150 paneles. Agradecemos a los miembros del comité del programa, a los organizadores de paneles abiertos y cerrados, de roundtables y presentaciones de Making & Doing que, con su participación, hicieron este programa -y esta conferencia- posible.

Son tiempos difíciles que requieren mucho trabajo y creatividad. Hemos puesto nuestro mejor esfuerzo en ello, proponiendo un congreso trilingüe e invitando a todos a fomentar ese multilingüismo con una excelente recepción. Al mismo tiempo, incentivamos la presentación de trabajos en formatos cada vez más creativos en casi 50 sesiones de Making & Doing y un conjunto de otros eventos como las propuestas de Sonidero, los altares de muertos, y la exhibición "The Promise of Multispecies Justice" que les invitamos a explorar.

En 2014, los organizadores del primer encuentro conjunto se preguntaban si podría la interacción cara a cara y la construcción de nuevas relaciones interpersonales, ayudar a que los miembros de 4S y ESOCITE desarrollen mejor las imágenes del Sur y del Norte y que emergieran nuevas versiones de CTS en el/los Sur(es) y Norte(s)? Si miramos lo sucedido en estos ocho años, debemos responder afirmativamente esa pregunta. La aparición de publicaciones con una marcada vocación por difundir los trabajos latinoamericanos en inglés y de publicar investigaciones que promuevan la discusión norte-sur, son prueba fehaciente de ello. Pero también debemos mencionar que 4S ha hecho un esfuerzo por diversificar su

consejo directivo, no solo con integrantes latinoamericanos, sino también académicos de todas las regiones del mundo. Asimismo, algunos proyectos iniciados por ESOCITE para realizar actividades conjuntas con investigadores y equipos de Estados Unidos atestiguan esos desarrollos. Naturalmente, queda mucho por hacer. El desafío hacia el futuro es construir una historia de eventos conjuntos que consoliden estos esfuerzos y aumentar y fortalecer las redes que, si bien ya existen, siempre requieren de cuidado, trabajo y compromiso.

Estos años sin vernos nos han dado, también, muchas pérdidas. A la partida de Trevor Pinch y Bruno Latour, quienes fueron clave en la creación e institucionalización de los estudios sociales de la ciencia y la tecnología, se agregan las múltiples que la comunidad ha sufrido a nivel personal y profesional. La pandemia nos deja particularmente sensibles a lo efímero. Con suerte, también nos ha dejado sensibles a lo importante y lo urgente. La crisis ecológica que sigue siendo aceptada con dificultad a pesar de sus múltiples y trágicas consecuencias palpables, es complementada ahora por una economía global que viene arrojando a la pobreza a millones de personas y una guerra entre naciones que nos recuerda (¿o regresa a?) algunos de los momentos más oscuros de nuestra historia reciente. Vivimos tiempos tan inciertos que el conocimiento mismo, en lugar de ofrecer soluciones, se ha vuelto un terreno de álgidas disputas. Si nunca fue fácil construir verdades, jamás fue más fácil desparramar mentiras. Uno de los campos que más ha aportado a la comprensión de cómo es que sabemos (y cómo es que ignoramos) tiene que tener un papel especial en plantear sino soluciones, al menos algunos caminos prometedores.

Esta conferencia nació de la ingenuidad. “¿Y si la de 2022 la hacemos en Cholula?”, le preguntó Leandro Rodríguez Medina al entonces 4S Meeting Planner, Wes Shrum. No costó entusiasmarlo y en aquella reunión de Boston se sugirió esta sede y se comenzó a andar el camino. Desde entonces, mucho ha sucedido, destacándose sin duda la voluntad y entusiasmo con que ESOCITE se sumó en 2018 para que ésta fuera la segunda conferencia conjunta. Le tocaba a Luciano Levin, que ya había colaborado en la organización local de la reunión de 2014, invertir roles con Leandro y ocuparse esta vez a la distancia -no sin las visitas de rigor- de la organización del evento. Sin dudas, la experiencia acumulada por ambos ha sido fundamental para facilitar este trabajo. Esperamos que este segundo paso sirva para

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mostrar un camino que, periódicamente, nos encuentre en alguno de los países latinoamericanos que, sin dudas, será un anfitrión a la altura de las circunstancias. La Universidad Iberoamericana-Puebla entró al ruedo cuando, por diversas razones, la sede que se había propuesto originalmente debió declinar la organización. El apoyo de esta institución ha sido inmenso. No podemos agradecer suficientemente la predisposición y el profesionalismo con el que se volcaron a realizar este evento, la conferencia más grande organizada en esta universidad en su historia.

Bienvenidos a México, bienvenidos a Cholula, bienvenidos a nuestro segundo congreso conjunto. Imposible pensar un mejor lugar para volver a re-unirnos. Disfrutemos y hagamos, como nos enseñaron a todos, ciencia en acción.

Leandro Rodriguez-Medina and Luciano Levin,  
Esocite/4S Presidentes de programa

## Palavras de boas-vindas dos organizadores

PT

O 2º Encontro conjunto ESOCITE e 4S é agora uma realidade! Estamos muito felizes por vos acolher a todos neste 14º Congresso ESOCITE e 47º Encontro 4S com um enorme programa e muitas notícias. Estamos a retomar a presença interrompida pela pandemia de SARS-COV2 e estamos a inaugurar o modo de exposição totalmente híbrido, o que nos custou algum suor, mas sem lágrimas. O lema do congresso, "Reencontro, recuperação, reconfiguração" fala a isto. Reunir novamente, recuperando o que é valioso e reconfigurando o que é necessário. Em 2014, por ocasião do primeiro congresso conjunto realizado entre as duas associações, mais de 1000 de nós reuniram-se em Buenos Aires, Argentina. Hoje, um pouco mais a norte, estamos novamente reunidos para oferecer um evento com quase 400 sessões, mais de 1600 artigos de quase 2500 autores, organizados com base em mais de 150 painéis. Agradecemos aos membros do comité do programa, aos organizadores de painéis abertos e fechados, mesas redondas e apresentações do Making & Doing que, com a sua participação, tornaram este programa - e esta conferência - possível.

Estes são tempos difíceis que requerem muito trabalho árduo e criatividade. Esforçámo-nos ao máximo, propondo uma conferência trilíngue e convidando todos a encorajar este multilinguismo com uma excelente recepção. Ao mesmo tempo, encorajámos a apresentação de trabalhos em formatos cada vez mais criativos em quase 50 sessões de Making & Doing e uma série de outros eventos como as propostas Sonidero, os altares dos mortos, e a exposição "A Promessa da Justiça Multiespecífica" que o convidamos a explorar.

Em 2014, os organizadores da primeira reunião conjunta perguntaram-se se a interação cara a cara e a construção de novas relações interpessoais poderia ajudar os membros da 4S e da ESOCITE a desenvolverem melhor imagens do Sul e do Norte e novas versões da STS surgem no(s) Sul(s) e no(s) Norte(s)? Se olharmos para o que aconteceu nestes oito anos, temos de responder afirmativamente a esta pergunta. A emergência de publicações com forte vocação para divulgar obras latino-americanas em inglês e para publicar pesquisas que promovam a discussão Norte-Sul é prova disso. Mas devemos também mencionar que a 4S fez um esforço para diversificar a sua direção, não só com membros latino-

americanos, mas também com académicos de todas as regiões do mundo. Além disso, alguns projetos iniciados pela ESOCITE para realizar atividades conjuntas com investigadores e equipas dos Estados Unidos atestam estes desenvolvimentos. É claro que ainda há muito a fazer. O desafio para o futuro é construir uma história de eventos conjuntos que consolidem estes esforços e aumentar e fortalecer as redes que, embora já existam, requerem sempre cuidado, trabalho e empenho.

Estes anos sem nos vermos também nos trouxeram muitas perdas. Para além da partida de Trevor Pinch e Bruno Latour, que foram fundamentais para a criação e institucionalização dos estudos sociais da ciência e tecnologia, a comunidade sofreu muitas perdas pessoais e profissionais. A pandemia deixou-nos particularmente sensíveis ao efémero. Esperemos que também nos tenha deixado sensíveis ao importante e ao urgente. A crise ecológica, que continua a ser aceite com dificuldade apesar das suas muitas consequências trágicas e palpáveis, é agora complementada por uma economia global que tem lançado milhões de pessoas na pobreza e uma guerra entre nações que nos recorda (ou regressa a?) alguns dos momentos mais negros da nossa história recente. Vivemos em tempos tão incertos que o próprio conhecimento, em vez de oferecer soluções, se tornou uma arena de grande contestação. Se nunca foi fácil construir verdades, nunca foi tão fácil espalhar mentiras. Um dos campos que mais contribuiu para a compreensão de como é que sabemos (e como é que ignoramos) tem um papel especial a desempenhar ao propor, se não soluções, pelo menos algumas formas promissoras de avançar.

Esta conferência nasceu da ingenuidade. "E se fizermos a conferência de 2022 em Cholula?", perguntou Leandro Rodriguez Medina ao então planeador da reunião 4S, Wes Shrum. Não foi preciso muito para o entusiasmar, e nessa reunião em Boston, o local foi sugerido e a estrada começou a ser percorrida. Desde então, muito aconteceu, e a vontade e entusiasmo com que a ESOCITE se juntou em 2018 para fazer desta a segunda conferência conjunta é sem dúvida notável. Coube a Luciano Levin, que já tinha colaborado na organização local da reunião de 2014, inverter os papéis com Leandro e assumir a organização do evento à distância desta vez - não sem as visitas habituais. Sem dúvida, a experiência acumulada por ambos tem sido fundamental para facilitar este trabalho. Esperamos que este segundo passo sirva para mostrar um caminho que, periodicamente, nos

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encontre num dos países latino-americanos que, sem dúvida, será um anfitrião digno das circunstâncias. A Universidade Iberoamericana-Puebla entrou na arena quando, por várias razões, o local inicialmente proposto teve de declinar a organização. O apoio desta instituição tem sido imenso. Não podemos agradecer-vos o suficiente pela vontade e profissionalismo com que se atiraram para este evento, a maior conferência organizada nesta universidade na sua história.

Bem-vindo ao México, bem-vindo à Cholula, bem-vindo à nossa segunda conferência conjunta. Impossível pensar num lugar melhor para nos voltarmos a encontrar. Vamos desfrutar e fazer, como todos nós fomos ensinados, a ciência em ação.

Leandro Rodriguez-Medina and Luciano Levin,  
Esocite/4S Presidentes do Programa

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*EN*

Special thanks to the ESOCITE and 4S colleagues who gave their time and expertise to review the proposals submitted for this conference.

*SP*

Agradecemos especialmente a los y las colegas de ESOCITE y 4S que han destinado su tiempo y capacidad para evaluar las propuestas enviadas para esta conferencia.

*PT*

Agradecimentos especiais aos colegas ESOCITE e 4S que deram o seu tempo e competências para avaliar as propostas apresentadas para esta conferência.

# 4S/ESOCITE 2022

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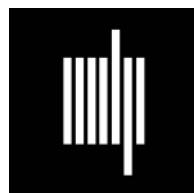
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**EN**

Entrance to the campus will be through the pedestrian entrance located at Boulevard del Niño Poblano 2901, Reserva Territorial Atlixcáyotl, San Andrés Cholula, Puebla. Use this address if you will be arriving by taxi/Uber or similar service. For first time admission, it will be sufficient to show a pdf or image of an QR invitation that you received by email. After registration, you will be able to enter the campus by showing your badge or the same invitation.

**ES**

El ingreso al campus será por la entrada peatonal ubicada en Boulevard del Niño Poblano 2901, Reserva Territorial Atlixcáyotl, San Andrés Cholula, Puebla. Utilice esta dirección si va a llegar en taxi/Uber o servicio similar. Para ingresar por primera vez, bastará con mostrar un pdf o imagen de una invitación QR que ha recibido por correo electrónico. Después de registrarse, podrá ingresar al campus mostrando su gafete o la misma invitación.

**PT**

A entrada ao campus será através da entrada pedonal localizada no Boulevard del Niño Poblano 2901, Reserva Territorial Atlixcáyotl, San Andrés Cholula, Puebla. Utilize esta morada se vier de táxi/Uber ou serviço similar. Para a primeira admissão, será suficiente mostrar um pdf ou imagem de um convite QR que tenha recebido por e-mail. Após a inscrição, poderá entrar no campus mostrando o seu crachá ou o mesmo convite.

*Registration/Inscripción/Inscrição*

**EN**

Registration will take place between 8.00am and 6.30pm in the Hallway "Lonja Xavier Cacho" from Wednesday 7 December to Saturday 10 December.

**ES**

La inscripción tendrá lugar entre las 8.00 y las 18.30 horas en el Pasillo "Lonja Xavier Cacho" desde el miércoles 7 de diciembre hasta el sábado 10 de diciembre.

## 4S/ESOCITE 2022

**PT**

As inscrições terão lugar entre as 8h00 e as 18h30 no corredor "Lonja Xavier Cacho", de quarta-feira 7 de Dezembro a sábado 10 de Dezembro.

### *Meeting Areas/Áreas de reunión/Áreas de Reunião/*

**EN**

All rooms for the 4S/ESOCITE event are located in buildings A, B, C, D, E, F, G and H. Special events will be in the Gymnasium, Manuel Acévez Auditorium, Foro de las Artes, Jardín de la Cruz and Cafeteria. Please see maps at the end of this program.

**ES**

Todas las salas para el evento 4S/ESOCITE están ubicadas en los edificios A, B, C, D, E, F, G y H. Los eventos especiales serán en el Gimnasio, Auditorio Manuel Acévez, Foro de las Artes, Jardín de la Cruz y Cafetería. Por favor, vea los mapas al final de este programa.

**PT**

Todas as salas para o evento 4S/ESOCITE estão localizadas nos edifícios A, B, C, D, E, F, G e H. Os eventos especiais serão no Ginásio, Auditório Manuel Acévez, Foro de las Artes, Jardín de la Cruz e Cafetaria. Por favor, ver mapas no final deste programa.

### *Internet Access/Acceso a Internet/Acesso à Internet*

**EN**

Internet access is guaranteed on campus and in the classrooms. To access, please use the following information: log on to the public access network cholula22 and agree to terms and services statement.

**ES**

El acceso a Internet está garantizado en el campus y en las aulas. Para acceder, utilice la siguiente información: conéctese a la red de acceso público cholula22 y acepte la declaración de términos y servicios.

**PT**

O acesso à Internet é garantido no campus e nas salas de aula. Para aceder, por favor utilizar a seguinte informação: entrar na rede de acesso público cholula22 e concordar com os termos e declaração de serviços.

### *Lunch Box/Almuerzo/Lancheira*

**EN**

Included in the registration fee, the conference offers a lunch box every day consisting of a sandwich (vegan option available) with a non-alcoholic beverage and a fruit. To pick it up, you will need to go between 1 and 2 pm to the Jardín de la Cruz, located next to the pedestrian entrance (see map).

**ES**

Incluido en la cuota de inscripción, la conferencia ofrece una caja de almuerzo todos los días que consiste en un sándwich (opción vegana disponible) con una bebida no alcohólica y una fruta. Para recogerla, deberá dirigirse entre las 13 y las 14 horas al Jardín de la Cruz, situado junto a la entrada peatonal (ver mapa).

**PT**

Incluído na taxa de inscrição, a conferência oferece todos os dias uma lancheira constituída por uma sanduíche (opção vegan disponível) com uma bebida não alcoólica e uma fruta. Para a ir buscar, será necessário ir entre as 13 e as 14 horas ao Jardín de la Cruz, localizado junto à entrada pedestre (ver mapa).

### *Equipment/Equipamiento/Equipamento*

**EN**

Each classroom is equipped with an LCD projector or a TV and a Polycom camera to ensure that sessions can be streamed via Microsoft Teams. Laptops and connection cables, if needed, must be provided by the participants. The Chairs of each session are responsible for the organisation of the session in that they will give the floor to the participants, present the paper and coordinate the subsequent question and answer session.

**ES**

Cada aula está equipada con un proyector LCD o un televisor y una cámara Polycom para garantizar la transmisión de las sesiones a través de Microsoft Teams. Los portátiles y los cables de conexión, si son necesarios, deben ser aportados por los(as) participantes. Los(as) Chairs de cada sesión son responsables de la organización de la misma, ya que darán la palabra a los participantes, presentarán las ponencias y coordinarán el posterior turno de preguntas y respuestas.

**PT**

Cada sala de aula está equipada com um projector LCD ou uma televisão e uma câmara Polycom para garantir que as sessões possam ser transmitidas através das Equipas Microsoft. Os computadores portáteis e cabos de ligação, se necessário, devem ser fornecidos pelos participantes. As cadeiras de cada sessão são responsáveis pela organização da sessão na medida em que darão a palavra aos participantes, apresentarão o papel e coordenarão a sessão subsequente de perguntas e respostas.

## *Covid protocol/Protocolo Covid/Protocolo Covid*

**EN**

The Universidad Iberoamericana-Puebla complies with the guidelines of the Federal and State of Puebla Public Health Secretariats. In that sense, it was established in October 2022 that there is no longer any mandatory monitoring of covid symptom indicators. Therefore, it is optional and up to the decision of each participant to wear a mask, it's still strongly advised to keep a healthy distance during the entire conference. The university has an emergency medical care facility (see map) as well as an ambulance service. 1.7km from the university is the Hospital Puebla, which is a tertiary care hospital. If you manifest symptoms of covid or any other contagious disease, we recommend that you maintain precautionary isolation at your place of accommodation. If you have to present your paper during your isolation time, please let the Chair of your table know that you will be presenting remotely.

**ES**

La Universidad Iberoamericana-Puebla cumple con los lineamientos de las secretarías de Salud Pública federal y del Estado de Puebla. En ese sentido, se estableció en octubre de 2022 que ya no es obligatorio el monitoreo de los indicadores sintomáticos del covid. Por lo tanto, es opcional y queda a la decisión de cada participante el uso de cubrebocas; aun así, se aconseja enfáticamente mantener una distancia saludable durante toda la jornada. La universidad dispone de un centro de atención médica de urgencia (ver el mapa), así como de un servicio de ambulancias. A 1,7 km de la universidad se encuentra el Hospital Puebla, que es un hospital de alta complejidad. Si manifiesta síntomas de covid o cualquier otra enfermedad contagiosa, le recomendamos que mantenga un aislamiento preventivo en su lugar de alojamiento. Si tiene que presentar su ponencia durante el tiempo de

aislamiento, le rogamos que comunique al/la Chair de su mesa que lo hará a distancia.

**PT**

A Universidad Iberoamericana-Puebla cumpre com as directrizes das secretarias de Saúde Pública Federal e Estadual de Puebla. Nesse sentido, foi estabelecido em Outubro de 2022 que já não existe qualquer monitorização obrigatória dos indicadores de sintomas da covidificação. Portanto, é opcional e até à decisão de cada participante de usar uma máscara, é ainda fortemente aconselhado manter uma distância saudável durante toda a conferência. A universidade dispõe de um serviço de cuidados médicos de emergência (ver mapa), bem como de um serviço de ambulância. A 1,7 km da universidade encontra-se o Hospital Puebla, que é um hospital especializado. Se manifestar sintomas de covidez ou qualquer outra doença contagiosa, recomendamos que mantenha o isolamento preventivo no seu local de alojamento. Se tiver de apresentar o seu trabalho durante o seu tempo de isolamento, informe o Presidente da sua mesa que irá apresentar à distância.

### *Ethics Committee/Comité de Ética/Comitê de Ética*

**EN**

4S and ESOCITE have appointed an ethics committee that will assess situations in which the behaviour of a participant may violate the integrity and dignity of another(s). If required, please send an email to [ethics@4sonline.org](mailto:ethics@4sonline.org) providing details of the situation.

**ES**

4S y ESOCITE han nombrado un comité de ética que evaluará las situaciones en las que el comportamiento de un participante pueda atentar contra la integridad y la dignidad de otro(s). Si es necesario, envíe un correo electrónico a [ethics@4sonline.org](mailto:ethics@4sonline.org) proporcionando detalles de la situación.

**PT**

4S e ESOCITE nomearam um comité de ética que avaliará as situações em que o comportamento de um participante pode violar a integridade e dignidade de outro(s). Se necessário, envie um e-mail para [ethics@4sonline.org](mailto:ethics@4sonline.org) fornecendo detalhes da situação.

## PLENARIES

### 4S 2022 Presidential Plenary / Plenaria presidencial / Plenário Presidencial *Knowing on the Edge* Friday, 8:30–10:30 am Gymnasium

*EN*

In an increasingly unstable world, how does the STS toolkit help us deal with ongoing loss and disappearance? This Presidential plenary seeks to excavate the meanings of loss by turning to observe the fragments that remain. Specifically, by examining, for example, what lays below the water mark (in rivers and in aquifers) and below loosely packed dirt (in shallow graves) we seek to highlight how science and technology serve to both center and destabilize our shared sense of reality. As we convene in December in our joint 4S/ESOCITE meeting, we are reminded of the thousands of lives lost to a pandemic and to violence. What can these magnified moments of loss, both of human and non-human life, serve to help us understand our larger societal obligations as scholars living in extreme times? What can receding waters tell us about our past and our present society?

### *Saber en el límite* Viernes, 8:30–10:30 am Gimnasio

*ES*

En un mundo cada vez más inestable, ¿cómo nos ayuda el kit de herramientas CTS para lidiar con las pérdidas y las desapariciones en curso? Esta plenaria presidencial busca excavar los significados de la pérdida volviéndose para observar los fragmentos que quedan. Específicamente, al examinar, por ejemplo, lo que hay debajo de la marca de agua (en ríos y acuíferos) y debajo de la tierra poco compacta (en tumbas poco profundas) buscamos resaltar cómo la ciencia y la tecnología sirven para centrar y desestabilizar nuestro sentido compartido de la realidad. Al coincidir en diciembre en nuestra reunión conjunta 4S / ESOCITE, recordamos las miles de vidas perdidas por una pandemia y por la violencia. ¿De qué pueden servirnos estos momentos magnificados de pérdida, tanto de la vida humana como no humana, para ayudarnos a comprender nuestras obligaciones sociales más amplias como académicos que viven en tiempos extremos? ¿Qué pueden decirnos las aguas en retroceso sobre nuestro pasado y nuestra sociedad presente?

## PLENARIES

### *Conhecendo na borda* Sexta-feira, 8:30-10:30 am Ginásio

PT

Em um mundo cada vez mais instável, como o kit de ferramentas CTS nos ajuda a lidar com perdas e desaparecimentos contínuos? Este plenário presidencial busca escavar os significados da perda, voltando-se para observar os fragmentos que permanecem. Especificamente, examinando, por exemplo, o que está sob a marca d'água (em rios e aquíferos) e sob a terra solta (em covas rasas) buscamos destacar como a ciência e a tecnologia servem para centralizar e desestabilizar nosso senso compartilhado de realidade. Como coincidemos em dezembro em nossa reunião conjunta 4S/ESOCITE, lembramos das milhares de vidas perdidas para uma pandemia e violência. Como esses momentos ampliados de perda, tanto da vida humana quanto não humana, podem nos ajudar a entender nossas obrigações sociais mais amplas como estudiosos que vivem em tempos extremos? O que as águas recuando podem nos dizer sobre nosso passado e nossa sociedade atual?

#### *Panelists/Panelistas/Painelistas:*

EN

**Emma Kowal (Chair)** is Alfred Deakin Professor of Anthropology and Deputy Director of the Alfred Deakin Institute for Citizenship and Globalisation at Deakin University. She is a cultural and medical anthropologist who previously worked as a medical doctor and public health researcher in Indigenous health. Her research interests lie at the intersection of anthropology, STS, and Indigenous studies. Her publications include *Trapped in the Gap: Doing Good in Indigenous Australia* and the collection *Cryopolitics: Frozen Life in a Melting World*. Her latest book is *Haunting Biology: Science and Indigeneity in Australia* (Duke UP 2023). She is current President of 4S.



## PLENARIES

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**Emma Kowal (Presidenta)** es Profesora Alfred Deakin de Antropología y Directora Adjunta del Instituto Alfred Deakin para la Ciudadanía y la Globalización de la Universidad de Deakin. Es una antropóloga cultural y médica que anteriormente trabajó como médica e investigadora de salud pública en salud indígena. Sus intereses de investigación se encuentran en la intersección de la antropología, los estudios CTS y los estudios indígenas. Sus publicaciones incluyen *Trapped in the Gap: Doing Good in Indigenous Australia* y la colección *Criopolitics: Frozen Life in a Melting World*. Su último libro es *Haunting Biology: Science and Indigeneity in Australia* (Duke UP 2023). Actualmente es presidenta de 4S.

PT

**Emma Kowal (Presidente)** é Alfred Deakin Professor de Antropologia e Vice-Diretor do Instituto Alfred Deakin para Cidadania e Globalização na Universidade Deakin. É antropóloga cultural e médica que trabalhou anteriormente como médica e pesquisadora de saúde pública em saúde indígena. Seus interesses de pesquisa estão na intersecção de antropologia, estudos de STS e estudos indígenas. Suas publicações incluem *Trapped in the Gap: Doing Good in Indigenous Australia* e a coleção *Criopolitics: Frozen Life in a Melting World*. Seu último livro é *Haunting Biology: Science and Indigeneity in Australia* (Duke UP 2023). Atualmente é presidente do 4S.

EN

**Gabriela Soto** is Professor of the History of Science and Antonio Madero Professor for the Study of Mexico at Harvard University. Her first book *Jungle*



*Laboratories: Mexican Peasants, National Projects and the Making of the Pill* won the Robert K. Merton Best Book prize in Science, Knowledge, and Technology Studies. The book showed how Mexican farmers and scientists were at the center of the global quest for synthetic steroid hormones and in so doing challenged narratives of well-known chemical discoveries. She is completing two book manuscripts: one on doctors as agents of social unrest and her third book which

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examines agricultural science exchange between India and Mexico to explain the circulation of knowledge using crops.

ES

**Gabriela Soto** es Profesora de Historia de la Ciencia y Profesora Antonio Madero para el Estudio de México en la Universidad de Harvard. Su primer libro *Jungle Laboratories: Mexican Peasants, National Projects and the Making of the Pill* ganó el premio Robert K. Merton al Mejor Libro en Estudios de Ciencia, Conocimiento y Tecnología. El libro mostró cómo los agricultores y científicos mexicanos estaban en el centro de la búsqueda global de hormonas esteroideas sintéticas y, al hacerlo, desafiaron las narrativas de descubrimientos químicos bien conocidos. Está completando dos manuscritos de libros: uno sobre médicos como agentes de malestar social y su tercer libro que examina el intercambio de ciencias agrícolas entre India y México para explicar la circulación del conocimiento utilizando cultivos.

PT

**Gabriela Soto** é Professora de História da Ciência e Professora Antonio Madero para o Estudo do México na Universidade de Harvard. Seu primeiro livro *Jungle Laboratories: Mexican Peasants, National Projects and the Making of the Pill* ganhou o Prêmio Robert K. Merton de Melhor Livro em Ciência, Conhecimento e Estudos Tecnológicos. O livro mostrou como agricultores e cientistas mexicanos estavam no centro da busca global por hormônios esteroideos sintéticos e, ao fazê-lo, desafiaram narrativas conhecidas de descoberta química. Ele está completando dois manuscritos de livros: um sobre médicos como agentes da agitação social e seu terceiro livro examinando a troca de ciências agrícolas entre a Índia e o México para explicar a circulação do conhecimento usando culturas.

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EN

**Vivette García-Deister** is a Professor of the Faculty of Sciences of the National Autonomous University of México (UNAM). Her research focuses on



the history of race science and the epistemologies of biomedical and forensic genetics. She assesses the impact of biomedical and forensic genetics on issues of racism, health, and justice in México. Her work has been published in international academic journals based both in the global north and in Latin America, and in non-academic spaces such as SLATE Future Tense, Este País, and Letras Libres. Vivette is the 2023–27 Editor-in-Chief of the journal *Tapuya: Latin American Science, Technology, and Society* (Taylor & Francis).

ES

**Vivette García-Deister** es profesora de la Facultad de Ciencias de la Universidad Nacional Autónoma de México (UNAM). Su investigación se centra en la historia de la ciencia racial y las epistemologías de la genética biomédica y forense. Evalúa el impacto de la genética biomédica y forense en temas de racismo, salud y justicia en México. Su trabajo ha sido publicado en revistas académicas internacionales radicadas tanto en el norte global como en América Latina, y en espacios no académicos como SLATE Future Tense, Este País y Letras Libres. Vivette es la editora en jefe 2023-27 de la revista *Tapuya: Latin American Science, Technology, and Society* (Taylor & Francis).

PT

**Vivette García-Deister** é professora da Faculdade de Ciências da Universidade Nacional Autônoma do México (UNAM). Sua pesquisa se concentra na história da ciência racial e nas epistemologias da genética biomédica e forense. Avalia o impacto da genética biomédica e forense em questões de racismo, saúde e justiça no México. Seu trabalho foi publicado em revistas acadêmicas internacionais sediadas tanto no norte global quanto na América Latina, e em espaços não acadêmicos como SLATE Future Tense,

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Este País e Letras Livres. Vivette é o editor-chefe da *Tapuya: Ciência, Tecnologia e Sociedade Latino-Americana* (Taylor & Francis) 2023-27.

EN

**Andrea Ballesteros** is Associate Professor of Anthropology at the University of Southern California. She is also Director of the **Ethnography Studio** [ethnographystudio.org](http://ethnographystudio.org). Her first book, *A Future History of Water* (Duke

University Press, 2019), examines how government officials and NGOs in Costa Rica and Northeast Brazil differentiate between water as a human right and water as a commodity. She proposes the notion of a techno-legal device as a site for future-making. She is also the co-editor of *Experimenting with Ethnography: A Companion to Analysis* (Duke UP 2021), a collection of experimental protocols that expand the meaning of ethnographic analysis. Dr. Ballesteros is currently writing a book that

explores cultural imaginaries of the underground in Costa Rica, focusing on how the emergence of aquifers into the public sphere (via hydrogeology and discussions over private property) is expanding the social world downwards into subterranean space. Her works can be found at [andreiballesteros.com](http://andreiballesteros.com).

ES

**Andrea Ballesteros** es Profesora Asociada de Antropología en la Universidad del Sur de California. También es Directora del Estudio de Etnografía [ethnographystudio.org](http://ethnographystudio.org). Su primer libro, *A Future History of Water* (Duke University Press, 2019), examina cómo los funcionarios gubernamentales y las ONG en Costa Rica y el noreste de Brasil diferencian entre el agua como un derecho humano y el agua como una mercancía. Ella propone la noción de un dispositivo tecno-legal como un sitio para la creación de futuro. También es coeditora de *Experimenting with Ethnography: A Companion to Analysis* (Duke UP 2021), una colección de protocolos experimentales que amplían el significado del análisis etnográfico. El Dr. Ballesteros está escribiendo actualmente un libro que explora los imaginarios culturales del subsuelo en Costa Rica, centrándose en cómo la aparición de los acuíferos en la esfera

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pública (a través de la hidrogeología y las discusiones sobre la propiedad privada)están expandiendo el mundo social hacia abajo en el espacio subterráneo. Sus obras se pueden encontrar en [andreiballestero.com](http://andreiballestero.com).

PT

**Andrea Ballesteros** é Professora Associada de Antropologia na Universidade do Sul da Califórnia. Também é Diretora do Estudo da Etnografia ethnographystudio.org. Seu primeiro livro, *A Future History of Water* (Duke University Press, 2019), examina como funcionários do governo e ONGs da Costa Rica e do Nordeste do Brasil diferenciam a água como um direito humano e a água como mercadoria. Ela propõe a noção de um dispositivo tecno-legal como um local para a criação do futuro. Ela também é coeditora de *Experimentação com Etnografia: Um Companheiro à Análise* (Duke UP 2021), uma coleção de protocolos experimentais que expandem o significado da análise etnográfica. Dr. Ballesteros está atualmente escrevendo um livro explorando os imaginários culturais da subsuperfície na Costa Rica, focando em como o surgimento de aquíferos na esfera pública (através da hidrogeologia e discussões sobre propriedade privada) está expandindo o mundo social para baixo para o espaço subterrâneo. Suas obras podem ser encontradas em [andreiballestero.com](http://andreiballestero.com).

## PLENARIES

### **ESOCITE Opening Panel / ESOCITE Panel Inaugural / ESOCITE Painel Inaugural *STS Agendas and Local and Global Science and Technology Agendas.***

**Wednesday, 4:30–6:30pm  
Building H: Manuel Acévez Auditorium**

**EN**

The problems of our approaches in STS, as well as the reflection and action in policies are at the very center of contemporary societal transformations. In the Latin American region, processes of instability and post-pandemic scenarios are being experienced in which new and old social, identity, socio-environmental and ethnic demands converge, as well as the autonomization of the problem of climate change, which seem to have a new specificity: they are conflicts or socio-technical controversies that articulate a local network of configurations of global agendas and conflicts that collect, and also have an impact on the local. This complex feedback guides us to discuss the research and policy agendas of science, technology and society in Latin America.

Traditionally, Latin American debates are developed around the relationship between policy orientations and scientific and technological capacities, forms of linking science and society, technological impacts, socio-technical conflicts, forms of collaboration and international insertion, increasingly regarding governance problems, data and scientific information, the disputes and openings towards local forms of science and open knowledge, the transnationalization and appropriation of local knowledge, differences in gender, identity and technologization of daily life, as well as the emergence of activism and articulation of actors around local conflicts, the problems of patrimonialization and the conflicts between local and scientific knowledge, and the tensions that the innovationisms of the normative policies of innovation in our region imply.

The inaugural ESOCITE Panel of the joint ESOCITE/4S congress, proposes to reflect on the traditions and new agendas of research and political action that characterize the present and the emerging concerns for the future that we can trace in recent sociotechnical transformations. It is about reflecting on the local specificity of our region, the insertion in the

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framework of global STS studies, as well as the identity(ies) of our approaches and concerns about the relationship between science, technology and society. If the present reading key seems to be a new form of relationship between the concern about local transformations as effects and impacts of global transformations, and in turn, the capacity of the local phenomenon to evidence global transformations (beyond the mirror effect and scale, but rather as an emergent effect) and to impact globally, then the Latin American STS analysis finds a fruitful scenario to promote local research and action and its inscription -from its specificity- in the global STS agendas. We guide the Inaugural Panel to this reflection and debate.

Our inaugural session-panel will be attended by the acting president of ESOCITE (Dr. Ronald Cancino), the former presidents Dr. Pablo Kreimer and Dr. Noela Invernizzi, and the outstanding and award-winning colleagues Rosalba Casas and Léa Velho and Hebe Vessuri, the only researcher who has received the highest awards from both associations, the Varsavsky prize from ESOCITE and the Bernal prize from 4S.

### *Agendas CTS y Agendas Locales y Globales de Ciencia y Tecnología*

**Miércoles, 16:30 a 18:30.**

**Building H: Manuel Acévez Auditorium**

**ES**

Los problemas propios de nuestros enfoques en CTS, así como la reflexión y acción en políticas se encuentran en el centro mismo de las transformaciones societales contemporáneas. Se experimentan en la región latinoamericana procesos de inestabilidad y escenarios post pandémicos en los que convergen nuevas y viejas demandas sociales, identitarias, socioambientales y étnicas, así como la autonomización del problema del cambio climático, que parecen tener una especificidad nueva: se trata de conflictividades o controversias sociotécnicas que articulan un entramado local de configuraciones de agendas y conflictos globales que recogen, y también impactan en lo local. Esta retroacción compleja nos orienta a discutir sobre las agendas de investigación y política de ciencia, tecnología y sociedad en América Latina.

Tradicionalmente los debates latinoamericanos se desarrollan en torno a la relación entre orientaciones de política y capacidades científicas y

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tecnológicas, formas de la vinculación ciencia y sociedad, impactos tecnológicos, conflictividades sociotécnicas, formas de colaboración e inserción internacional, cada vez más respecto de problemas de gobernabilidad de datos e información científica, las disputas y aperturas hacia formas locales de ciencia y conocimiento abierto, la transnacionalización y apropiación del conocimiento local, las diferencias de género, identidad y tecnologización de la vida cotidiana, así como la emergencia de activismos y articulación de actores en torno a conflictos locales, los problemas de la patrimonialización y los conflictos entre saberes locales y científicos, y las tensiones que implican los innovacionismos propios de las políticas normativas de innovación en nuestra región.

El Panel inaugural de ESOCITE del congreso conjunto ESOCITE/4S, propone reflexionar sobre las tradiciones y nuevas agendas de investigación y acción política que caracterizan el presente y las emergentes preocupaciones de futuro que podemos rastrear en las transformaciones sociotécnicas recientes. Se trata de reflexionar sobre la especificidad local de nuestra región, la inserción en el marco de los estudios CTS globales, así como la (s) identidad (es) de nuestras aproximaciones y preocupaciones sobre la relación ciencia, tecnología y sociedad. Si la clave de lectura presente parece ser una nueva forma de relación entre la preocupación sobre transformaciones locales como efectos e impactos de transformaciones globales, y a su vez, la capacidad del fenómeno local de evidenciar las transformaciones globales (más allá del efecto espejo y escala, sino más bien como efecto emergente) y de impactar en lo global, entonces el análisis CTS latinoamericano, encuentra un escenario fecundo para potenciar la investigación y acción local y su inscripción - desde su especificidad- en las agendas globales CTS. Orientamos el Panel Inaugural a esta reflexión y debate.

Nuestra sesión-panel inaugural, contará con la presencia del presidente en ejercicio de ESOCITE (Dr. Ronald Cancino), los ex-presidentes Dr. Pablo Kreimer y la Dra. Noela Invernizzi, y las destacadas y premiadas colegas Rosalba Casas y Léa Velho y Hebe Vessuri, la única investigadora que ha recibido los máximos galardones de ambas asociaciones, el premio Varsavsky de ESOCITE y el premio Bernal de 4S.

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### *Agendas STS e Agendas locais e globais de ciência e tecnologia.*

**Quarta-feira, das 16h30 às 18h30.**

**Building H: Manuel Acévez Auditorium**

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Os problemas de nossas abordagens STS, assim como a reflexão e ação política, estão no centro das transformações sociais contemporâneas. A região latino-americana vive processos de instabilidade e cenários pós-pandêmicos nos quais convergem novas e antigas demandas sociais, identitárias, socioambientais e étnicas, bem como a autonomização do problema da mudança climática, que parecem ter uma nova especificidade: são conflitos sociotécnicos ou controvérsias que articulam uma rede local de configurações de agendas globais e conflitos que se refletem e também têm um impacto no nível local. Este complexo feedback nos leva a discutir as agendas de pesquisa e políticas da ciência, tecnologia e sociedade na América Latina.

Tradicionalmente, os debates latino-americanos têm girado em torno da relação entre orientações políticas e capacidades científicas e tecnológicas, formas de ligação entre ciência e sociedade, impactos tecnológicos, conflitos sociotécnicos, formas de colaboração e inserção internacional, cada vez mais com respeito a problemas de governança de dados e informações científicas, disputas e aberturas para formas locais de ciência e conhecimento aberto, a transnacionalização e apropriação do conhecimento local, as diferenças de gênero, a identidade e a tecnologização da vida cotidiana, assim como a emergência de ativismos e a articulação de atores em torno de conflitos locais, os problemas de patrimonialização e os conflitos entre conhecimento local e científico, e as tensões implícitas pelos inovadores inerentes às políticas normativas de inovação em nossa região.

O painel inaugural do congresso conjunto ESOCITE/4S propõe uma reflexão sobre as tradições e novas agendas de pesquisa e ação política que caracterizam o presente e as preocupações emergentes para o futuro que podem ser traçadas nas recentes transformações sócio-técnicas. É uma questão de refletir sobre a especificidade local de nossa região, sua inserção no âmbito dos estudos globais STS, bem como a(s) identidade(s) de nossas abordagens e preocupações sobre a relação entre ciência, tecnologia e

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sociedade. Se a chave da presente leitura parece ser uma nova forma de relação entre a preocupação com as transformações locais como efeitos e impactos das transformações globais e, por sua vez, a capacidade do fenômeno local de evidenciar as transformações globais (além do efeito espelho e da escala, mas sim como um efeito emergente) e de impactar no global, então a análise STS latino-americana encontra um cenário fértil para melhorar a pesquisa e a ação local e sua inscrição - a partir de sua especificidade - nas agendas STS globais. Nós orientamos o Painel Inaugural para esta reflexão e debate.

Nosso painel de sessão inaugural contará com a presença do atual presidente da ESOCITE (Dr. Ronald Cancino), dos ex-presidentes Dr. Pablo Kreimer e Dra. Noela Invernizzi, e dos colegas excelentes e premiados Rosalba Casas e Léa Velho e Hebe Vessuri, a única pesquisadora que recebeu os mais altos prêmios de ambas as associações, o prêmio Varsavsky da ESOCITE e o prêmio Bernal da 4S.

### *Panelists/Panelistas/Painelistas:*

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**Ronald Cancino (Chair)** President of ESOCITE. He is an Anthropologist and PhD in Social Sciences from the University of Chile. Academic of the



Department of Social Sciences, Universidad de la Frontera, Chile. He works on complexity theory, modeling and simulation of complex systems, investigating theoretical and methodological convergences between both fields of study. It investigates and collaborates in the strengthening of scientific capacities and the linking of "Austral Science" with local demands and territories, as well as on socio-technical conflicts and controversies. He is

currently researching local and global science and technology agendas and

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the emergence of complex forms of scientific specialization and collaboration.

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**Ronald Cancino (Chair)** Presidente de ESOCITE. Es Antropólogo y Dr. En Ciencias Sociales por la Universidad de Chile. Académico del Departamento de Ciencias Sociales, Universidad de la Frontera, Chile. Trabaja sobre teoría de la complejidad, modelamiento y simulación de sistemas complejos, investigando convergencias teóricas y metodológicas entre ambos campos de estudio. Investiga y colabora en el fortalecimiento de capacidades científicas y la vinculación de la "Ciencia austral" con demandas y territorios locales, así como sobre conflictividades y controversias sociotécnicas. Actualmente investiga sobre agendas locales y globales de ciencia y tecnología y la emergencia de formas complejas de especialización y colaboración científica.

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**Ronald Cancino (Presidente)**, Presidente da ESOCITE. Ele é antropólogo e é PhD em Ciências Sociais pela Universidade do Chile. Acadêmico no Departamento de Ciências Sociais, Universidad de la Frontera, Chile. Ele trabalha na teoria da complexidade, modelagem e simulação de sistemas complexos, investigando convergências teóricas e metodológicas entre os dois campos de estudo. Ela pesquisa e colabora no fortalecimento das capacidades científicas e na ligação da "Ciência do Sul" com as demandas e territórios locais, assim como em conflitos e controvérsias sócio-técnicas. Atualmente ele está pesquisando sobre agendas científicas e tecnológicas locais e globais e o surgimento de formas complexas de especialização e colaboração científica.

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**Pablo Kreimer** is a sociologist with a Ph.D. in "Science, Technology, and Society" (STS Center, Paris). He is a Senior Investigator at the National Research Council of Argentina (CONICET), a Full Professor at the National University of Quilmes and director of the STS Center at Maimónides University, Buenos Aires.



He is specialized in political sociology of science with a focus on the historical dynamics of scientific fields, internationalization of research, relations between production and use of scientific research and coproduction of knowledge between central and peripheral contexts.

Pablo is founder member and former President (2014-2016) of the Latin American Association for Social Studies of S&T (ESOCITE). He was awarded with the "Varsavsky Prize" (2021) for his outstanding contribution to STS field in Latin America.

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**Pablo Kreimer** es sociólogo y doctor en "Ciencia, Tecnología y Sociedad" (Centre STS, París). Es Investigador Superior del Consejo Nacional de Investigaciones de Argentina (CONICET), Profesor Titular de la Universidad Nacional de Quilmes y director del Centro CTS de la Universidad Maimónides. Está especializado en la sociología política de la ciencia con un enfoque en la dinámica histórica de los campos científicos, la internacionalización de la investigación, las relaciones entre la producción y el uso de la investigación científica y la coproducción de conocimiento entre los contextos centrales y periféricos.

Pablo es miembro fundador y ex presidente (2014-2016) de la Asociación Latinoamericana de Estudios Sociales de CyT (ESOCITE). Fue galardonado con el "Premio Varsavsky" (2021) por su destacada contribución al campo CTS en América Latina.

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**Pablo Kreimer** é sociólogo e é PhD em "Ciência, Tecnologia e Sociedade" (Centre STS, Paris). Ele é Pesquisador Sênior do Conselho Nacional de Pesquisa da Argentina (CONICET), Professor da Universidade Nacional de Quilmes e Diretor do Centro STS da Universidade Maimonides. Ele é especializado na sociologia política da ciência com foco na dinâmica histórica dos campos científicos, na internacionalização da pesquisa, nas relações entre a produção e o uso da pesquisa científica e na co-produção do conhecimento entre os contextos central e periférico.

Pablo é membro fundador e ex-presidente (2014-2016) da Associação Latino-Americana de Estudos Sociais de C&T (ESOCITE). Ele recebeu o "Prêmio Varsavsky" (2021) por sua notável contribuição para o campo STS na América Latina.

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**Noela Invernizzi** is Professor at the Federal University of Paraná, in Curitiba, Brazil, where she teaches Science, Technology and Society and Education and Labor. She was president of Latinoamerican Society for Social Studies of

Science and Technology, ESOCITE. She studied Anthropology, in Uruguay, and obtained a Master and Doctoral degree in Science and Technology Policy at the University of Campinas, Brazil. Her doctoral research focused on the implications of industrial innovation for workers' skills and employment conditions. This work was the base for the book *Flexibles y Disciplinados. Los trabajadores brasileños*



frente a la reestructuración productiva (*Flexible and Disciplined. Brazilian Workers after Industrial Restructuring* (Porrúa, Mexico, 2004)). In addition to her interest on labor and technology, over the last decade she has focused on the inclusion of nanotechnology in the scientific agenda of Latin American

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countries, analyzing the particular conditions, contradictions and outcomes resulting from the insertion of an emerging technology in developing countries.

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**Noela Invernizzi** es Profesora de la Universidad Federal de Paraná, en Curitiba, Brasil, donde enseña Ciencia, Tecnología y Sociedad y Educación y Trabajo. Fue presidenta de la Sociedad Latinoamericana de Estudios Sociales de la Ciencia y la Tecnología, ESOCITE. Estudió Antropología, en Uruguay, y obtuvo una Maestría y Doctorado en Políticas Científicas y Tecnológicas en la Universidad de Campinas, Brasil. Su investigación doctoral se centró en las implicaciones de la innovación industrial para las habilidades de los trabajadores y las condiciones de empleo. Este trabajo fue la base para el libro *Flexible y Disciplinado. Trabajadores brasileños frente a la reestructuración productiva* (Flexible and Disciplined. Brazilian Workers after Industrial Restructuring) (Porrúa, México, 2004). Además de su interés por el trabajo y la tecnología, en la última década se ha centrado en la inclusión de la nanotecnología en la agenda científica de países latinoamericanos, analizando las condiciones particulares, las contradicciones y los resultados derivados de la inserción de una tecnología emergente en los países en desarrollo.

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**Noela Invernizzi** é professora da Universidade Federal do Paraná, em Curitiba, Brasil, onde ensina Ciência, Tecnologia e Sociedade e Educação e Trabalho. Ela é ex-presidente da Sociedade Latino-Americana de Estudos Sociais de Ciência e Tecnologia, ESOCITE. Estudou Antropologia, no Uruguai, e obteve um Mestrado e Doutorado em Política Científica e Tecnológica na Universidade de Campinas, Brasil. Sua pesquisa de doutorado concentrou-se nas implicações da inovação industrial nas habilidades dos trabalhadores e nas condições de emprego. Este trabalho foi a base para o livro *Flexível e Disciplinado. Trabalhadores Brasileiros após Reestruturação Industrial* (Flexível e Disciplinado. Trabalhadores brasileiros após a reestruturação industrial) (Porrúa, México, 2004). Além de seu interesse em trabalho e tecnologia, na última década ele se concentrou na inclusão da nanotecnologia na agenda científica dos países latino-americanos, analisando as condições particulares, contradições e resultados derivados da inserção de uma tecnologia emergente nos países em desenvolvimento.

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**Rosalba Casas** is a Sociologist from the Social Research Institute of UNAM. She completed a Master's degree in History and Sociopolitics of Science at the University of Montreal, Canada, and has a Ph.D. in Science and Technology Policy from Sussex, England. She is a member of the Mexican Academy of Sciences and a Level III Researcher of the SIN. She was Director of the Social



Research Institute of the UNAM between August 2005-August 2013. In the trajectory of Rosalba Casas there is a deep connection between the realization of interdisciplinary studies with the generation of proposals for policies and concrete actions in matters of STI, from the initial studies on biotechnology and the agri-food sector, the relationship between scientific production, productive development and technology, public policies

and networks, always articulating these dimensions with the improvement of social conditions and social inclusion. Along with this, the contribution regarding the opening of regional considerations at the subnational level in the analysis of STI policies is important. The "regional question", and the Latin American conceptualization of knowledge exchange networks, or knowledge networks. She is the author, co-author and/or coordinator of more than 10 books and more than 70 specialized articles and chapters.

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**Rosalba Casas** es Socióloga por el Instituto de Investigaciones Sociales de UNAM. Realizó una Maestría en Historia y Sociopolítica de la Ciencia en la Universidad de Montreal, Canadá, y es Doctora en Política Científica y Tecnológica por Sussex, Inglaterra. Es miembro de la Academia Mexicana de Ciencias e Investigadora Nivel III del SIN. Fue Directora del Instituto de investigaciones Sociales de la UNAM entre agosto 2005-agosto2013. En la trayectoria de Rosalba Casas hay una profunda conexión entre la realización de estudios interdisciplinarios con la generación de propuestas de políticas y

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acciones concretas en materia de CTI, desde los iniciales estudios sobre biotecnología y el sector agroalimentario, la relación entre producción científica, desarrollo productivo y tecnológico, políticas públicas y redes, articulando siempre estas dimensiones con el mejoramiento de las condiciones sociales y la inclusión social. Junto a ello, es importante el aporte en torno a la apertura de consideraciones regionales a nivel subnacional en el análisis de políticas de CTI. La “cuestión regional”, y la conceptualización latinoamericana de las redes de intercambio de conocimiento, o redes de conocimiento.

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**Rosalba Casas** é Socióloga do Instituto de Pesquisa Social da UNAM. Ela tem mestrado em História e Sociopolítica da Ciéncia pela Universidade de Montreal, Canadá, e doutorado em Ciéncia e Política Tecnológica pela Sussex, Inglaterra. Ela é membro da Academia Mexicana de Ciéncias e Pesquisador Nível III do SIN. Foi diretora do Instituto de Pesquisa Social da UNAM de agosto de 2005 a agosto de 2013. Na carreira de Rosalba Casas existe uma profunda conexão entre os estudos interdisciplinares e a geração de propostas políticas e ações concretas no campo das CTI, desde os estudos iniciais sobre biotecnologia e o setor agroalimentar, a relação entre produção científica, desenvolvimento produtivo e tecnológico, políticas públicas e redes, articulando sempre estas dimensões com a melhoria das condições sociais e a inclusão social. Além disso, é importante contribuir para a abertura de considerações regionais em nível subnacional na análise das políticas de CTI. A "questão regional" e a conceitualização latino-americana das redes de intercâmbio de conhecimento, ou redes de conhecimento.

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**Léa Velho** Full Professor of Social Studies of Science and Technology in the Department of Science and Technology Policy of the State University of Campinas (retired and currently collaborating professor in the same department). She is an agronomist from the São Paulo State University Júlio de Mesquita Filho (1976), a Master in Agronomy (Plant Production) from the



São Paulo State University Júlio de Mesquita Filho (1979) and a doctor in Scientific and Technological Policy from the Policy Research Unit Scientific - SPRU, University of Sussex, UK (1985). She did postdoctoral work at the Ohio University Department of Rural Sociology, USA. She was a senior researcher and postgraduate director at the United Nations University Institute of New Technologies in Maastricht, the Netherlands, from 2001 to

2005. She was visiting professor at the Department of Social Studies of Science at Cornell University, USA; at the Scientific Studies Unit of the University of Edinburgh, UK; and at the Department of Sociology at Indiana University in Bloomington, USA and the Scuola Superiori Sant'Anna in Pisa, Italy. He is a member of the editorial committee of national (História, Ciências, Saúde - Manguinhos) and international (Science and Public Policy; Science, Technology and Society) journals. He has extensive experience in research and consulting in the field of Science and Technology Policy, working mainly on the following topics: dynamics of production and use of knowledge, international cooperation in S&T, evaluation of S&T policies and activities, training of human resources for research, S&T indicators.

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**Léa Velho** Profesora Titular de Estudios Sociales de la Ciencia y la Tecnología en el Departamento de Política Científica y Tecnológica de la Universidad Estadual de Campinas (jubilado y actualmente profesor colaborador del

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mismo departamento). Es ingeniero agrónomo de la Universidad Estadual Paulista Júlio de Mesquita Filho (1976), magíster en Agronomía (Producción Vegetal) de la Universidad Estadual Paulista Júlio de Mesquita Filho (1979) y doctor en Política Científica y Tecnológica de la la Unidad de Investigación de Políticas Científicas - SPRU, Universidad de Sussex, Reino Unido (1985). Realizó un trabajo posdoctoral en el Departamento de Sociología Rural de la Universidad de Ohio, EE.UU. Fue investigadora senior y directora de posgrado en el Instituto de Nuevas Tecnologías de la Universidad de las Naciones Unidas en Maastricht, Países Bajos, de 2001 a 2005. Fue profesora invitada en el Departamento de Estudios Sociales de la Ciencia en la Universidad de Cornell, EE. UU.; en la Unidad de Estudios Científicos de la Universidad de Edimburgo, Reino Unido; y en el Departamento de Sociología de la Universidad de Indiana en Bloomington, EE.UU. y la Scuola Superiori Sant'Anna en Pisa, Italia. Es miembro del comité editorial de revistas nacionales (História, Ciências, Saúde - Manguinhos) e internacionales (Ciencia y Políticas Públicas; Ciencia, Tecnología y Sociedad). Tiene amplia experiencia en investigación y consultoría en el campo de la Política Científica y Tecnológica, trabajando principalmente en los siguientes temas: dinámicas de producción y uso del conocimiento, cooperación internacional en CyT, evaluación de políticas y actividades de CyT, formación de recursos humanos para la investigación, indicadores de CyT.

Léa Velho es un referente fundamental en los estudios sociales de la ciencia y la tecnología en América Latina, así como a nivel internacional respecto de la región. Sus contribuciones se articulan tanto en investigación, formación, como en el diseño, implementación y evaluación de políticas públicas de ciencia y tecnología.

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**Léa Velho** Professor de Estudos Sociais de Ciência e Tecnologia no Departamento de Ciência e Política Tecnológica da Universidade Estadual de Campinas (aposentado e atualmente professor colaborador do mesmo departamento). É formado em Engenharia Agrícola pela Universidade Estadual Paulista Júlio de Mesquita Filho (1976), mestre em Agronomia (Produção Vegetal) pela Universidade Estadual Paulista Júlio de Mesquita Filho (1979) e doutor em Política Científica e Tecnológica pela Unidade de Pesquisa em Política Científica - SPRU, Universidad de Sussex, Reino Unido (1985). Ela fez pós-doutorado no Departamento de Sociología Rural, Universidad de Ohio, EUA. Foi pesquisadora sênior e diretora de pós-

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graduação no Instituto de Novas Tecnologias da Universidade das Nações Unidas em Maastricht, Holanda, de 2001 a 2005. Ela foi professora visitante no Departamento de Estudos Sociais da Universidade de Cornell, EUA; na Unidade de Estudos Científicos da Universidade de Edimburgo, Reino Unido; e no Departamento de Sociologia da Universidade de Indiana em Bloomington, EUA e no Scuola Superiore Sant'Anna em Pisa, Itália. É membro do conselho editorial de revistas nacionais (História, Ciências, Saúde - Manguinhos) e internacionais (Ciência e Políticas Públicas; Ciência, Tecnologia e Sociedade). Ele tem ampla experiência em pesquisa e consultoria no campo da política científica e tecnológica, trabalhando principalmente nos seguintes tópicos: dinâmica de produção e uso do conhecimento, cooperação internacional em C&T, avaliação de políticas e atividades de C&T, treinamento de recursos humanos para pesquisa, indicadores de C&T.

Léa Velho é uma referência fundamental nos estudos sociais de ciência e tecnologia na América Latina, bem como internacionalmente no que diz respeito à região. Suas contribuições são articuladas em pesquisa, treinamento, assim como na concepção, implementação e avaliação de políticas públicas sobre ciência e tecnologia.

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**Hebe M. C. Vessuri**, is an Argentine anthropologist and professor, of Argentine and Venezuelan nationality, trained at the University of Oxford,



where she obtained a doctorate in Social Anthropology. In 2006 she received the National Prize for Science of Venezuela, in 2014 the Oscar Varsavsky Prize for scientific career in the field of Science, Technology and Society studies, from the Latin American Association of Social Studies of Science and Technology (ESOCITE) and in 2017 the John Desmond Bernal Award for Distinguished Contribution

in the field of social studies of science and technology from the Society for the Social Study of Science (4S). In 2018, she received the 2017 Bernardo Houssay Career Award in Argentina in the Human Sciences Area.

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**Hebe M. C. Vessuri** (n. 1942, Buenos Aires) es una antropóloga y profesora argentina, de nacionalidad argentina y venezolana, formada en la Universidad de Oxford, donde obtuvo un doctorado en Antropología Social. En 2006 recibió el Premio Nacional de Ciencia de Venezuela, en 2014 el Premio Oscar Varsavsky a la trayectoria científica en el campo de los estudios de Ciencia, Tecnología y Sociedad, de la Asociación Latinoamericana de Estudios Sociales de la Ciencia y la Tecnología (ESOCITE) y en 2017 el Premio John Desmond Bernal a la Contribución Distinguida en el campo de los estudios sociales de la ciencia y la tecnología de la Society for the Social Study of Science (4S). En 2018, recibió en Argentina el Premio Bernardo Houssay Trayectoria 2017 en el Área de Ciencias Humanas.

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**Hebe M. C. Vessuri** (b. 1942, Buenos Aires) é antropóloga argentina e professora, de nacionalidade argentina e venezuelana, formada na Universidade de Oxford, onde obteve o doutorado em Antropologia Social. Em 2006 ela recebeu o Prêmio Nacional de Ciência da Venezuela, em 2014 o Prêmio Oscar Varsavsky pela trajetória científica na área de Ciência, Tecnologia e Estudos da Sociedade, da Associação Latino-americana de Estudos Sociais de Ciência e Tecnologia (ESOCITE) e em 2017 o Prêmio John Desmond Bernal pela contribuição diferenciada na área de Estudos Sociais de Ciência e Tecnologia da Sociedade para o Estudo Social da Ciência (4S). Em 2018, ele recebeu o Prêmio Bernardo Houssay Trayectoria de 2017.

# AWARDS

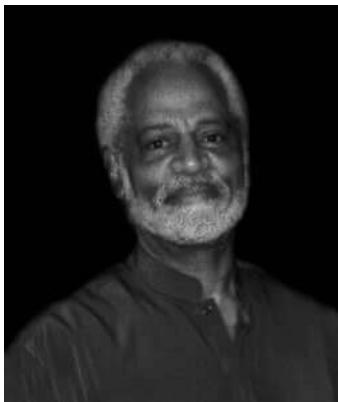
## 4S Awards and Honors

### *Bernal Prize 2022: Troy Duster and Arie Rip*

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#### *Troy Duster*

Troy Duster is an agenda-setting American sociologist. He is Chancellor's Professor Emeritus of Sociology at the University of California, Berkeley, where he has taught since 1970. He is former Director of the Institute for the History of the Production of Knowledge at New York University and former Chair of the New York Consortium on Science and Society. Duster's



pathbreaking research on the sociology of law, science, deviance, inequality, race, and education, has provided a measure of socially and politically engaged science and technology studies for over five decades. From revealing the social forces at play in the history genetics, to calling out the racial bias embedded in contemporary algorithms, Troy Duster has tackled the hard and pressing issue of bringing social justice into the production of scientific knowledge. He has also played an important role in training additional generations of

scholars who have become leading voices in the field, including Joan Fujimura, Alondra Nelson, Duana Fullwiley, Ruha Benjamin, Catherine Bliss and Aaron Panofsky. Race and science is a domain of inquiry that is increasingly recognized as vital to STS, and Duster's body of work developed over many decades remains a touchstone. We are delighted to honor him with the John Desmond Bernal Prize for his many significant and outstanding contributions to the field of Science, Technology, and Society.

#### *Arie Rip*

Arie Rip is Professor emeritus of Philosophy of Science and Technology at the University of Twente, and Professor at the University of Stellenbosch in South Africa. His commitment to the field of Science and Technology Studies dates to the 1970s, when he led the building of institutional and pedagogical

## AWARDS

infrastructures that have since contributed to the training of students and scholars across generations, disciplines, departments, and nations. Arie Rip has not only furthered understanding of the changing conditions of innovation and scientific policy in the central countries; he has also built important bridges for understanding the dynamics of science and technology in the periphery. His proficiency in science and technology writ large has allowed him to tackle nanotechnology, GM foods, and technological futures with responsibility but without fear. Among his many theoretical and practical contributions to STS are the Approach of Constructive Technology Assessment, and a model for Responsible Research and Innovation. This is not the first time that 4S honors Arie Rip for his work and trajectory. He received the Mentoring Award in 2016 for his many mentoring practices that, through ethical leadership and durable commitment, contributed to establish and consolidate STS. We are pleased to add the John Desmond Bernal Prize to the honors that Arie Rip has received from a community of which he has been a key, beloved figure.

### *Premio Bernal 2022: Troy Duster y Arie Rip*

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#### *Troy Duster*

Troy Duster es un sociólogo estadounidense que establece la agenda. Es profesor emérito de sociología en el rector de la Universidad de California, Berkeley, donde ha enseñado desde 1970. Es ex director del Instituto de Historia de la Producción de Conocimiento de la Universidad de Nueva York y ex presidente del Consorcio de Nueva York sobre Ciencia y Sociedad. La investigación de Duster sobre la sociología del derecho, la ciencia, la desviación, la desigualdad, la raza y la educación ha proporcionado una medida de los estudios de ciencia y tecnología social y políticamente comprometido durante más de cinco décadas. Desde revelar las fuerzas sociales en juego en la genética histórica, hasta llamar la atención sobre los prejuicios raciales incrustados en los algoritmos contemporáneos, Troy Duster abordó el difícil y apremiante tema de llevar la justicia social a la producción de conocimiento científico. También desempeñó un papel importante en la formación de generaciones adicionales de académicos que se han convertido en voces líderes en el campo, incluyendo a Joan Fujimura, Alondra Nelson, Duana Fullwiley, Ruha Benjamin, Catherine Bliss y Aaron

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Panofsky. La raza y la ciencia es un campo de investigación que se reconoce cada vez más como vital para STS, y el cuerpo de trabajo de Duster desarrollado durante muchas décadas sigue siendo un piedra de toque. Nos complace honrarlo con el Premio John Desmond Bernal por sus muchas contribuciones significativas y sobresalientes en el campo de la Ciencia, la Tecnología y la Sociedad.

### *Arie Rip*

Arie Rip es profesor emérito de Filosofía de la Ciencia y la Tecnología en la Universidad de Twente, y profesor en la Universidad de Stellenbosch en Sudáfrica. Su compromiso con el campo de los Estudios de Ciencia y Tecnología se remonta a la década de 1970, cuando lideró la construcción de infraestructuras institucionales y pedagógicas que desde entonces han contribuido a la formación de estudiantes y académicos a través de generaciones, disciplinas, departamentos y naciones. Arie Rip no solo profundizó su comprensión de las condiciones cambiantes de la innovación y la política científica en los países centrales; también construyó puentes importantes para comprender la dinámica de la ciencia y tecnología en la periferia. Su dominio de la ciencia y la tecnología le permitió enfrentar la nanotecnología, los alimentos transgénicos y los futuros tecnológicos de manera responsable, pero sin miedo. Entre sus muchas contribuciones teóricas y prácticas a CTS se encuentran el Enfoque de Evaluación Tecnológica Constructiva y un modelo de Investigación e Innovación Responsable. Esta no es la primera vez que 4S honra a Arie Rip por su trabajo y trayectoria. Recibió el Premio de Mentoría en 2016 por sus muchas prácticas de mentoría que, a través del liderazgo ético y el compromiso duradero, contribuyeron a establecer y consolidar STS. Nos complace agregar el Premio John Desmond Bernal a los tributos que Arie Rip ha recibido de una comunidad de la que ha sido una figura clave y querida.



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### *Prêmio Bernal 2022: Troy Duster e Arie Rip*

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#### *Troy Duster*

Troy Duster é um sociólogo americano que define a agenda. Ele é professor emérito de sociologia do chanceler na Universidade da Califórnia, Berkeley, onde leciona desde 1970. Ele é ex-Diretor do Instituto de História da Produção do Conhecimento da Universidade de Nova York e ex-Presidente do Consórcio de Nova York sobre Ciência e Sociedade. A pesquisa de Duster sobre a sociologia do direito, ciência, desvio, desigualdade, raça e educação, tem proporcionado uma medida de estudos de ciência e tecnologia social e politicamente engajados por mais de cinco décadas. Desde revelar as forças sociais em jogo na genética histórica, até chamar a atenção para o preconceito racial embutido nos algoritmos contemporâneos, Troy Duster abordou a difícil e premente questão de trazer justiça social para a produção do conhecimento científico. Ele também desempenhou um papel importante no treinamento de gerações adicionais de estudiosos que se tornaram vozes líderes no campo, incluindo Joan Fujimura, Alondra Nelson, Duana Fullwiley, Ruha Benjamin, Catherine Bliss e Aaron Panofsky. Raça e ciência é um domínio de investigação que é cada vez mais reconhecido como vital para a STS, e o corpo de trabalho de Duster desenvolvido ao longo de muitas décadas continua sendo uma pedra de toque. Temos o prazer de homenageá-lo com o Prêmio John Desmond Bernal por suas muitas contribuições significativas e notáveis no campo da Ciência, Tecnologia e Sociedade.

#### *Arie Rip*

Arie Rip é Professor emérito de Filosofia da Ciência e Tecnologia na Universidade de Twente, e Professor da Universidade de Stellenbosch na África do Sul. Seu compromisso com o campo dos Estudos de Ciência e Tecnologia data dos anos 70, quando liderou a construção de infraestruturas institucionais e pedagógicas que desde então têm contribuído para a formação de estudantes e acadêmicos através de gerações, disciplinas, departamentos e nações. Arie Rip não apenas aprofundou a compreensão das condições mutáveis da inovação e da política científica nos países centrais; ele também construiu importantes pontes para a compreensão da dinâmica da ciência e da tecnologia na periferia. Sua proficiência em ciência e tecnologia lhe permitiu enfrentar a nanotecnologia, alimentos GM e futuros

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tecnológicos com responsabilidade, mas sem medo. Entre suas muitas contribuições teóricas e práticas à STS estão a Abordagem de Avaliação de Tecnologia Construtiva, e um modelo de Pesquisa e Inovação Responsável. Esta não é a primeira vez que a 4S homenageia Arie Rip por seu trabalho e sua trajetória. Ele recebeu o Prêmio Mentoring em 2016 por suas muitas práticas de mentoring que, através de liderança ética e compromisso duradouro, contribuíram para estabelecer e consolidar a STS. Temos o prazer de acrescentar o Prêmio John Desmond Bernal às homenagens que Arie Rip recebeu de uma comunidade da qual ele tem sido uma figura chave e amada.

**Bernal Prize Committee / Comité del Premio Bernal / Comitê do Prêmio Bernal:** Vivette Garcia-Deister (Chair/Presidente), Emma Kowal, Hebe Vessuri, Aneesh Aneesh, Anne Pollock.

### *Ludwik Fleck Prize 2022*

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*Aniket Aga*

The Society for Social Studies of Science (4S) has awarded the Ludwik Fleck Prize of 2022 to Aniket Aga for his book *Genetically Modified Democracy* (Yale University Press, 2021).



The Fleck Prize, first awarded in 1992, recognizes an outstanding book in the area of Science and Technology Studies (STS). For the 2021 prize, the Committee reviewed more than 60 books and evaluated nominated books on their contributions to the field of Science and Technology Studies, their novelty, and their overall scholarly quality.

*Genetically Modified Democracy* is a rigorous and fascinating study that puts in dialogue different issues that challenge us in the science-technology-democracy relationship.

Aniket Aga's book reconstructs in great detail and in a very rigorous way the process of regulation of GMO crops in India, showing at the same time the bureaucratic structures, the interests at

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stake, the power relations and the epistemic changes that took place during the period under analysis.

*Genetically Modified Democracy* makes multiple and brilliant contributions to the STS field. First, it is a rigorous reconstruction of the emergence and development of a scientific field that is transforming from traditional biology to biotechnology, with strong support from the state apparatus. During the process of institutionalization of this research, Aniket Aga highlights the role of some pioneers, such as Satish Maheshwari and Pushpa Mittra Bhargava, among other outstanding scientists. In this sense, it deftly demonstrates how the seeds of biotechnology were sown into the very birth of the green revolution in India rather than representing some kind of second wave.

Secondly, it analyzes the complex relationships between scientific development in a semi-peripheral context and the globalized industrial development, and how this put in tension epistemic changes and their economic-industrial meanings in relation to the interests at stake. Since funding from Indian private foundations or corporate interest was scarce or non-existent, the State encouraged the creation of national research laboratories; a process similar to what happened in other developing contexts.

Third, it is a careful analysis of the controversies generated by the emergence of techno-scientific innovations, questioning the positions of the various actors, as well as the role of the state and the actions of diverse social movements. Indeed, within the struggles surrounding GMOs—their production, use and regulation—it is worth highlighting the wonderful analysis of the emergence of social movements involved in activism against GM crops. In a similar way to what we observed in Brazil during the same years (for example, with the *Movimento sem Terra*), the focus was on the role played by large companies such as Monsanto (Monsanto Quit India! Quit India! were the slogans). While in India the situation is altered by the entry of Monsanto's Bt Cotton, in South America it was about genetically modified soybeans, introduced at the same time and by the same globalized company.

Fourth, it lucidly raises the problem of the regulation of knowledge, its development and applications, as well as the role of public institutions in the implementation of evidence-based modes of regulation or, ultimately, co-

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production of regulations together with the changes taking place in society and the state.

It is a masterful and thoroughly researched account of the making of GMO biotechnology in India and the concurrent emergence of novel matters of concern and governance forms fueled by calls for equity and justice. Aniket Aga's book reflects on what happens in a globalized world with other modes of technoscientific development in different regions, for example by showing the fundamental role of the state, in contrast to the Western mode of development.

Although the book is based on empirical work done in India, it should be read by scholars in other contexts, as the lessons it offers explain, no doubt, the tensions in that country, but exceed its situated character, and speaks to the contemporary world.

For all these invaluable contributions, the Society for Social Studies of Science is honored to award *Genetically Modified Democracy* this year's Ludwik Fleck Prize (2022).

### *Premio Ludwik Fleck 2022*

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#### *Aniket Aga*

La Sociedad de Estudios Sociales de la Ciencia (4S) otorgó el Premio Ludwik Fleck 2022 a Aniket Aga por su libro *Democracia Genéticamente Modificada* (Yale University Press, 2021).

El Premio Fleck, otorgado por primera vez en 1992, reconoce un libro destacado en el área de Estudios de Ciencia y Tecnología (STS). Para el premio de 2021, el Comité revisó más de 60 libros y evaluó libros indicados sobre sus contribuciones en el área de Estudios de Ciencia y Tecnología, su novedad y su calidad académica general.

*Democracia Genéticamente Modificada* es un estudio riguroso y fascinante que pone en diálogo diferentes temas que nos desafían en la relación ciencia-tecnología-democracia.

El libro de Aniket Aga reconstruye con gran detalle y muy rigor el proceso de regulación de los cultivos en la India, al tiempo que muestra las estructuras burocráticas, los intereses en juego, las relaciones de poder y los cambios epistémicos durante el período bajo revisión.

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*La Democracia Genéticamente Modificada* hace múltiples y brillantes contribuciones al campo de CTS. En primer lugar, es una reconstrucción rigurosa del surgimiento y desarrollo de un campo científico que se está transformando de la biología tradicional a la biotecnología, con un fuerte apoyo del aparato estatal. Durante el proceso de institucionalización de esta investigación, Aniket Aga destaca el papel de algunos pioneros, como Satish Maheshwari y Pushpa Mittra Bhargava, entre otros científicos destacados. En este sentido, demuestra expertamente cómo se lanzaron las semillas de la biotecnología en el nacimiento mismo de la revolución verde en la India, en lugar de representar algún tipo de segunda ola.

En segundo lugar, analiza las complejas relaciones entre el desarrollo científico en un contexto semiperiférico y el desarrollo industrial globalizado, y cómo esto ha enfatizado los cambios epistémicos y sus significados económico-industriales en relación con los intereses en juego. Dado que la financiación de fundaciones privadas indias o intereses empresariales era escasa o inexistente, el Estado alentó la creación de laboratorios nacionales de investigación; Un proceso similar a lo que sucedió en otros contextos en desarrollo.

En tercer lugar, es un análisis cuidadoso de las controversias generadas por el surgimiento de innovaciones tecnocientíficas, cuestionando las posiciones de los diversos actores, así como el papel del Estado y las acciones de diversos movimientos sociales. De hecho, dentro de las luchas en torno a los transgénicos -su producción, uso y regulación- vale la pena destacar el maravilloso análisis del surgimiento de movimientos sociales involucrados en el activismo contra las culturas transgénicas. Similar a lo que observamos en Brasil durante los mismos años (por ejemplo, con el *Movimiento Sin Tierra*), la atención se centró en el papel desempeñado por grandes empresas como Monsanto (*Monsanto Quit India! ¡Sal de la India!* eran las consignas). Mientras que en la India la situación se ve alterada por la entrada del algodón Bt de Monsanto, en América del Sur fue la soja genéticamente modificada, introducida al mismo tiempo y por la misma empresa globalizada.

En cuarto lugar, plantea con claridad el problema de la regulación del conocimiento, su desarrollo y aplicaciones, así como el papel de las instituciones públicas en la implementación de modos regulatorios basados

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en la evidencia o, en última instancia, en la coproducción de regulaciones junto con los cambios en la sociedad y el Estado.

Es un relato magistral y minuciosamente investigado de la biotecnología transgénica en la India y la aparición simultánea de nuevos temas de preocupación y formas de gobernanza alimentadas por llamamientos a la equidad y la justicia. El libro de Aniket Aga reflexiona sobre lo que sucede en un mundo globalizado con otros modos de desarrollo tecnocientífico en diferentes regiones, por ejemplo, mostrando el papel fundamental del Estado, en contraste con el modo occidental de desarrollo.

Aunque el libro se basa en el trabajo empírico llevado a cabo en la India, debe ser leído por estudiosos en otros contextos, porque las lecciones que ofrece sin duda explican las tensiones en ese país, pero exceden su carácter situado, y hablan al mundo contemporáneo.

Por todas estas valiosas contribuciones, la Sociedad de Estudios Sociales de la Ciencia tiene el honor de otorgar el Premio Ludwik Fleck (2022) de este año a la *Democracia Genéticamente Modificada*.

### *Prêmio Ludwik Fleck 2022*

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#### *Aniket Aga*

A Sociedade de Estudos Sociais da Ciência (4S) concedeu o Prêmio Ludwik Fleck de 2022 a Aniket Aga por seu livro *Democracia Geneticamente Modificada* (Yale University Press, 2021).

O Prêmio Fleck, concedido pela primeira vez em 1992, reconhece um livro de destaque na área de Estudos de Ciência e Tecnologia (STS). Para o prêmio 2021, o Comitê revisou mais de 60 livros e avaliou livros indicados sobre suas contribuições na área de Estudos de Ciência e Tecnologia, sua novidade, e sua qualidade acadêmica geral.

A *Democracia Geneticamente Modificada* é um estudo rigoroso e fascinante que coloca em diálogo diferentes questões que nos desafiam na relação ciência-tecnologia-democracia.

O livro de Aniket Aga reconstrói em grande detalhe e de forma muito rigorosa o processo de regulamentação das culturas de OGMs na Índia, mostrando ao mesmo tempo as estruturas burocráticas, os interesses em jogo, as relações de poder e as mudanças epistêmicas ocorridas durante o período em análise.

## AWARDS

A *Democracia Geneticamente Modificada* faz múltiplas e brilhantes contribuições para o campo STS. Primeiro, é uma reconstrução rigorosa do surgimento e desenvolvimento de um campo científico que está se transformando da biologia tradicional para a biotecnologia, com forte apoio do aparato estatal. Durante o processo de institucionalização desta pesquisa, Aniket Aga destaca o papel de alguns pioneiros, tais como Satish Maheshwari e Pushpa Mittra Bhargava, entre outros cientistas de destaque. Neste sentido, ela demonstra habilmente como as sementes da biotecnologia foram lançadas no próprio nascimento da revolução verde na Índia, em vez de representar algum tipo de segunda onda.

Em segundo lugar, analisa as complexas relações entre o desenvolvimento científico em um contexto semiperiférico e o desenvolvimento industrial globalizado, e como isto colocou em tensão as mudanças epistêmicas e seus significados econômico-industriais em relação aos interesses em jogo. Uma vez que o financiamento de fundações privadas indianas ou interesses corporativos era escasso ou inexistente, o Estado incentivou a criação de laboratórios nacionais de pesquisa; um processo semelhante ao que aconteceu em outros contextos em desenvolvimento.

Terceiro, é uma análise cuidadosa das controvérsias geradas pelo surgimento de inovações tecnocientíficas, questionando as posições dos diversos atores, assim como o papel do Estado e as ações de diversos movimentos sociais. De fato, dentro das lutas em torno dos OGM - sua produção, uso e regulamentação - vale a pena destacar a maravilhosa análise do surgimento de movimentos sociais envolvidos no ativismo contra as culturas transgênicas. De forma semelhante ao que observamos no Brasil durante os mesmos anos (por exemplo, com o *Movimento sem Terra*), o foco foi o papel desempenhado por grandes empresas como a Monsanto (Monsanto Quit India! Quit India! eram os slogans). Enquanto na Índia a situação é alterada pela entrada da Monsanto's Bt Cotton, na América do Sul tratava-se de soja geneticamente modificada, introduzida ao mesmo tempo e pela mesma empresa globalizada.

Em quarto lugar, levanta com lucidez o problema da regulamentação do conhecimento, seu desenvolvimento e aplicações, bem como o papel das instituições públicas na implementação de modos de regulamentação baseados em evidências ou, em última instância, na co-produção de

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regulamentações juntamente com as mudanças ocorridas na sociedade e no Estado.

É um relato magistral e minuciosamente pesquisado sobre a biotecnologia GMO na Índia e o surgimento simultâneo de novas questões de preocupação e formas de governança alimentadas por apelos à equidade e justiça. O livro de Aniket Aga reflete sobre o que acontece num mundo globalizado com outros modos de desenvolvimento tecnocientífico em diferentes regiões, por exemplo, mostrando o papel fundamental do Estado, em contraste com o modo ocidental de desenvolvimento.

Embora o livro seja baseado no trabalho empírico realizado na Índia, deve ser lido por estudiosos em outros contextos, pois as lições que oferece explicam, sem dúvida, as tensões naquele país, mas excedem seu caráter situado, e fala ao mundo contemporâneo.

Por todas essas inestimáveis contribuições, a Sociedade de Estudos Sociais da Ciência tem a honra de conceder o Prêmio Ludwik Fleck deste ano (2022) à *Democracia Geneticamente Modificada*.

**Ludwik Fleck Prize Committee / Comité del Premio Ludwik Fleck / Comitê do Prêmio Ludwik Fleck:** Pablo Kreimer (Chair/Presidente), Maka Suarez, Ayo Wahlberg, Aya Kimura, Angela Okune.

### *Carson Prize 2022: Kregg Hetherington*

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*Kregg Hetherington*



The Society for Social Studies of Science (4S) has awarded the 2022 Rachel Carson Prize to Kregg Hetherington for his book *The Government of Beans: Regulating Life in the Age of Monocrops* (Duke UP 2020).

The Rachel Carson Prize recognizes an outstanding book in the area of Science and Technology Studies (STS), which makes an important contribution to public debate or social change and has distinctive societal and political relevance. For the 2022 prize, the Committee reviewed more than 50 books and evaluated their

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scholarly qualities and contributions to social change. With care and clarity, *The Government of Beans* tells the social, political, and environmental complexities of soybeans in Paraguay, weaving its entangled stories at local, regional, and global scales. Hetherington incites transnational and interdisciplinary discussions as he compellingly demonstrates how STS can draw attention to the fraught and violent practices of monocropping in the Anthropocene.

*The Government of Beans* also provides inspiration for ways to unpack and respond to the damaged planet in the Anthropocene. Focusing on soybeans as a “character” (rather than a commodity or crop species), the book zooms into stories of entangled relationships between soybeans, people, and the state in northeastern Paraguay, which, as he shows, is also part of a broader story of regional politics, the Green Revolution, and the global realities of monocrops and capitalist agricultural destruction. Hetherington leads readers through shifts in regimes of soy regulation and management (“the government of beans”) and its expansion (“the soy state”). Through vivid ethnographic vignettes, readers become privy to an assemblage of bureaucracy and bureaucrats, activism, ideology, law, failure, violence, historical contingencies and more. In short, soybean governance in the Anthropocene is messy and unsettled, undoing easy and neat narratives for or against soy. This is, as he writes, a “story of how the Anthropocene challenges governmental form” (p. 15).

Hetherington develops the concept of “agribiopolitics” to conceptualize the relationship between the government of human and plant health to address the complexities and conflicts over soy. In this important historical and theoretical intervention, he points out how biopolitics, as part of the Euro-American imagination, became a singularly human affair, blinding academics to the post-Cold War global welfarism that was fundamentally structured on new practices for maximizing plant life (in “out of the way” places such as Paraguay). In order to understand Paraguay’s history, agribiopolitics remedies this structural and analytic divide. Hetherington invites us to rethink the entangled relationships between humans and nonhumans at multiple scales and builds bridges between STS and other fields of studies, such as agro-food studies, environmental humanities, political history, political economy, and anthropological studies of state and bureaucracy.

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This is a story that does not have neat beginnings and endings. Just as the Anthropocene challenges governmental forms, Hetherington recognizes it also challenges theoretical and narrative conventions of ethnography. Writing the Anthropocene, he proposes, does not presume to have found stable answers or internal coherence. Instead, the book tries to keep up with its objects while representing worlds as multiple and heterogeneous (p. 16). These multiple worlds address ideals of social democracy and social justice, ecological modernization, transparency, and national sovereignty, containing multiple lessons for STS scholars and practitioners who seek to create social change in their own localities, towards just ecologies and democratic societies.

In these multiple worlds, however, “soy is not a multiply enacted object, but a hyper object that thrives in the violent morass of neocolonial extraction” (p. 17). Ultimately, *The Government of Beans* shows how devices of government are always at some level complicit in the destruction they seek to mitigate. This is not a moment of despair, however. Hetherington makes an invitation to attend and attune to what he calls “tofu moments”: these are “not moments of closure or of understanding, but as calls to action in a web that exceeds their ability to capture or to map. Those moments come without guarantees, of course, and they are always fraught and contradictory, but they are also alive with experimental possibility” (p. 221). We beautifully learn about why and how it matters not only to maintain biological diversity but also cultural and analytical diversity for meaningful possibilities of societal change.

For its activating storytelling of these experimental possibilities – possibilities to move beyond colonial, extractive, and destructive thinking and practices toward sustainable and just living together on this planet, the Society for Social Studies of Science is honored to award *The Government of Beans* the Rachel Carson Prize of 2022.

### *Premio Carson 2022 Kregg Hetherington*

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*Kregg Hetherington*

La Sociedad de Estudios Sociales de la Ciencia (4S) otorgó el Premio Rachel Carson 2022 a Kregg Hetherington por su libro *The Bean Government: Regulating Life in the Age of Monocrops* (Duke UP 2020).

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El Premio Rachel Carson reconoce un libro prominente en el campo de los Estudios de Ciencia y Tecnología (STS), que hace una contribución importante al debate público o al cambio social y tiene una relevancia social y política distintiva. Para el premio de 2022, el Comité revisó más de 50 libros y evaluó sus cualidades académicas y contribuciones al cambio social. Con cuidado y claridad, *The Bean Government* cuenta las complejidades sociales, políticas y ambientales de la soja en Paraguay, tejiendo sus historias atrapadas a escala local, regional y global. Hetherington alienta las discusiones transnacionales e interdisciplinarias, ya que demuestra convincentemente cómo CTS puede llamar la atención sobre las prácticas violentas e inquietantes de los monocultivos en el Antropoceno.

*El gobierno del frijol* también proporciona inspiración para las formas de desempacar y responder al planeta dañado en el Antropoceno. Centrándose en la soja como un "personaje" (en lugar de una mercancía o tipo de cultura), el libro analiza las historias de relaciones atrapadas entre la soja, la gente y el estado nororiental de Paraguay, que, como muestra, también es parte de una historia más amplia de la política regional, la Revolución Verde y las realidades globales de los monocultivos y la destrucción capitalista de la agricultura. Hetherington guía a los lectores a través de cambios en la regulación y los regímenes de gestión de la soja ("el gobierno del frijol") y su expansión ("el estado de la soja"). A través de vívidas viñetas etnográficas, los lectores se ven privados de un conjunto de burocracia y burócratas, activismo, ideología, ley, fracaso, violencia, contingencias históricas y más. En resumen, la gobernanza de la soja en el Antropoceno es confusa y desordenada, deshaciendo narrativas fáciles y ordenadas a favor o en contra de la soja. Esta es, como escribe, una "historia de cómo el Antropoceno desafía la forma gubernamental" (p. 15).

Hetherington desarrolla el concepto de "agrobiopolítica" para conceptualizar la relación entre el gobierno de la salud humana y vegetal para enfrentar las complejidades y conflictos sobre la soja. En esta importante intervención histórica y teórica, señala cómo la biopolítica, como parte de la imaginería euroamericana, se ha convertido en un caso singularmente humano, cegando a los académicos al asistencialismo global posterior a la guerra fría que se estructuró fundamentalmente en nuevas prácticas para maximizar la vida vegetal (en lugares "fuera del camino" como Paraguay). Para entender la historia del Paraguay, la agrobiolítica corrige esta división

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estructural y analítica. Hetherington nos invita a repensar las relaciones enñasales entre humanos y no humanos en múltiples escalas y construye puentes entre CTS y otros campos de estudio, como estudios agroalimentarios, humanidades ambientales, historia política, economía política y estudios antropológicos del estado y la burocracia.

Esta es una historia que no tiene comienzos y finales ordenados. Así como el Antropoceno desafía las formas de gobierno, Hetherington reconoce que también desafía las convenciones teóricas y narrativas de la etnografía. Escribir el Antropoceno, propone, no presupone haber encontrado respuestas estables o coherencia interna. En cambio, el libro intenta rastrear sus objetos mientras representa mundos como múltiples y heterogéneos (p. 16). Estos mundos múltiples abordan ideales de socialdemocracia y justicia social, modernización ecológica, transparencia y soberanía nacional, conteniendo múltiples lecciones para académicos y practicantes de CTS que buscan crear cambios sociales en sus propias localidades, hacia una ecología justa y sociedades democráticas.

En estos mundos múltiples, sin embargo, "la soja no es un objeto multiplicado, sino un hiperobjeto que prospera en la colina violenta de la extracción neocolonial" (p. 17). En última instancia, el *gobierno del frijol* muestra cómo los dispositivos gubernamentales son siempre, en algún nivel, cómplices de la destrucción que buscan mitigar. Sin embargo, este no es un momento de desesperación. Hetherington hace una invitación a participar y sintonizar con lo que él llama "momentos de tofu": estos no son "momentos de cierre o comprensión, sino como llamadas a la acción en una camiseta que excede su capacidad de capturar o mapear". Estos momentos vienen sin garantías, por supuesto, y siempre están cargados y contradictorios, pero también están vivos con posibilidades experimentales" (p. 221). Aprendemos maravillosamente por qué y cuán importante es no solo mantener la diversidad biológica, sino también la diversidad cultural y analítica para lograr posibilidades significativas de cambio social.

Por su narración activa de estas posibilidades experimentales, posibilidades de ir más allá del pensamiento y las prácticas coloniales, extractivas y destructivas hacia una vida sostenible y justa en este sentido. la Sociedad de Estudios de Ciencias Sociales tiene el honor de otorgar al *Gobierno del Frijol* el Premio Rachel Carson 2022.

## AWARDS

### *Prêmio Carson 2022: Kregg Hetherington*

PT

#### *Kregg Hetherington*

A Sociedade para Estudos Sociais da Ciência (4S) concedeu o Prêmio Rachel Carson 2022 a Kregg Hetherington por seu livro *O Governo do Feijão: Regulating Life in the Age of Monocrops* (Duke UP 2020).

O Prêmio Rachel Carson reconhece um livro de destaque na área de Estudos de Ciência e Tecnologia (STS), que faz uma contribuição importante para o debate público ou para a mudança social e tem relevância social e política distintiva. Para o prêmio 2022, o Comitê revisou mais de 50 livros e avaliou suas qualidades acadêmicas e contribuições para a mudança social. Com cuidado e clareza, *O Governo do Feijão* conta as complexidades sociais, políticas e ambientais da soja no Paraguai, tecendo suas histórias enredadas em escalas locais, regionais e globais. Hetherington incita discussões transnacionais e interdisciplinares, pois ele demonstra de forma convincente como a STS pode chamar a atenção para as práticas violentas e inquietantes de monoculturas no Antropoceno.

*O Governo do Feijão* também fornece inspiração para formas de desempacotar e responder ao planeta danificado no Antropoceno. Focalizando a soja como "personagem" (ao invés de uma mercadoria ou espécie de cultura), o livro analisa as histórias de relações enredadas entre soja, pessoas e o estado do nordeste do Paraguai, o que, como ele mostra, também faz parte de uma história mais ampla da política regional, da Revolução Verde, e das realidades globais das monoculturas e da destruição capitalista da agricultura. Hetherington lidera os leitores através de mudanças nos regimes de regulamentação e gestão da soja ("o governo do feijão") e sua expansão ("o estado da soja"). Por meio de vinhetas etnográficas vívidas, os leitores se tornam privados de um conjunto de burocracia e burocratas, ativismo, ideologia, direito, fracasso, violência, contingências históricas e muito mais. Em resumo, a governança da soja no Antropoceno é confusa e desordenada, desfazendo narrativas fáceis e arrumadas a favor ou contra a soja. Esta é, como ele escreve, uma "história de como o Antropoceno desafia a forma governamental" (p. 15).

Hetherington desenvolve o conceito de "agribiopolítica" para conceituar a relação entre o governo da saúde humana e vegetal para enfrentar as complexidades e conflitos sobre a soja. Nesta importante

## AWARDS

intervenção histórica e teórica, ele aponta como a biopolítica, como parte do imaginário euro-americano, tornou-se um caso singularmente humano, cegando os acadêmicos para o welfarismo global do pós-guerra fria que foi fundamentalmente estruturado em novas práticas para maximizar a vida vegetal (em lugares "fora do caminho", como o Paraguai). Para entender a história do Paraguai, a agribiolítica corrige esta divisão estrutural e analítica. Hetherington nos convida a repensar as relações enredadas entre humanos e não-humanos em múltiplas escalas e constrói pontes entre STS e outros campos de estudos, tais como estudos agroalimentares, humanidades ambientais, história política, economia política e estudos antropológicos de estado e burocacia.

Esta é uma história que não tem começos e finais arrumados. Assim como o Antropoceno desafia as formas governamentais, Hetherington reconhece que também desafia as convenções teóricas e narrativas da etnografia. Escrever o Antropoceno, ele propõe, não pressupõe ter encontrado respostas estáveis ou coerência interna. Em vez disso, o livro tenta acompanhar seus objetos enquanto representa mundos como múltiplos e heterogêneos (p. 16). Estes mundos múltiplos abordam ideais de democracia social e justiça social, modernização ecológica, transparência e soberania nacional, contendo múltiplas lições para estudiosos e praticantes do STS que procuram criar mudanças sociais em suas próprias localidades, em direção a ecologias justas e sociedades democráticas.

Nesses mundos múltiplos, porém, "a soja não é um objeto multiplicado, mas um hiperobjeto que prospera no morro violento da extração neocolonial" (p. 17). Em última análise, o Governo do Feijão mostra como os dispositivos do governo são sempre, em algum nível, cúmplices na destruição que procuram mitigar. Este não é, no entanto, um momento de desespero. Hetherington faz um convite para participar e sintonizar com o que ele chama de "momentos de tofu": estes não são "momentos de fechamento ou de compreensão, mas como chamadas à ação em uma teia que excede sua capacidade de captura ou de mapeamento". Esses momentos vêm sem garantias, é claro, e são sempre carregados e contraditórios, mas também estão vivos com possibilidade experimental" (p. 221). Aprendemos maravilhosamente sobre por que e como é importante não apenas manter a diversidade biológica, mas também a diversidade cultural e analítica para possibilidades significativas de mudança social.

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Por sua ativa narração destas possibilidades experimentais - possibilidades de ir além do pensamento e práticas coloniais, extrativas e destrutivas em direção a uma vida sustentável e justa neste planeta, a Sociedade de Estudos Sociais da Ciência tem a honra de conceder ao Governo do Feijão o Prêmio Rachel Carson de 2022.

**EN**

### *Honorable Mention: Max Liboiron*

The Carson Prize Committee would like to extend an Honorable Mention to Max Liboiron for *Pollution is Colonialism* (Duke UP 2021). Liboiron's book excellently introduces new ways of 'seeing' pollution, and opens a space to learn about how to do science otherwise. Liboiron underlines that pollution is an enactment of ongoing colonial relations to Land, therefore, it is "best understood as a violence of colonial land relations rather than environmental damage, which is a symptom of violence." Beyond providing an insightful critique of mainstream technoscientific and social understandings of pollution, this book is methodologically inspirational, showing the possibility of an anticolonial lab by practicing science otherwise in/through CLEAR, an interdisciplinary plastic pollution laboratory. Dr. Liboiron is the founder of CLEAR, and an Associate Professor in Geography and is formerly the Associate Vice-President (Indigenous Research) at Memorial University in St. John's, Newfoundland and Labrador, Canada. Liboiron is Red River Métis/Michif raised in Lac la Biche, Treaty 6 territory.

**ES**

### *Mención honorífica: Max Liboiron*

El Comité del Premio Carson desea extender una Mención de Honor a Max Liboiron por *Pollution is Colonialism* (Duke UP 2021). El libro de Liboiron introduce de manera excelente nuevas formas de "ver" la contaminación y abre un espacio para aprender sobre cómo hacer ciencia de otra manera. Liboiron subraya que la contaminación es una promulgación de relaciones coloniales continuas con la tierra, por lo que "se entiende mejor como una violencia de las relaciones territoriales coloniales que como una daño ambiental, que es un síntoma de violencia". Además de proporcionar una crítica perspicaz de las principales comprensiones técnico-científicas y sociales de la contaminación, este libro es metodológicamente inspirador, mostrando la posibilidad de que un laboratorio anticolonial pratique la

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ciencia. de lo contrario, en/a través de CLEAR, un laboratorio interdisciplinario de contaminación plástica . Dr. Liboiron es el fundador de CLEAR, y Profesor Asociado en Geografía y anteriormente es Vicepresidente Asociado (Investigación Indígena) en la Universidad Memorial en St. John's, Terranova y Labrador, Canadá. Liboiron es el río rojo Métis/Michif, creado en Lac la Biche, territorio del Tratado 6.

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### *Menção honrosa: Max Liboiron*

O Comitê do Prêmio Carson gostaria de estender uma Menção Honrosa a Max Liboiron for Pollution is Colonialism (Duke UP 2021). O livro de Liboiron introduz de forma excelente novas formas de "ver" a poluição e abre um espaço para aprender sobre como fazer ciência de outra forma. Liboiron sublinha que a poluição é uma promulgação das relações coloniais contínuas com a Terra, portanto, é "melhor entendida como uma violência das relações coloniais de terra do que como um dano ambiental, que é um sintoma de violência". Além de fornecer uma crítica perspicaz dos principais entendimentos técnico-científicos e sociais da poluição, este livro é metodologicamente inspirador, mostrando a possibilidade de um laboratório anticolonial praticando a ciência de outra forma em/através do CLEAR, um laboratório interdisciplinar de poluição plástica. O Dr. Liboiron é o fundador do CLEAR, e Professor Associado em Geografia e é anteriormente Vice-Presidente Associado (Pesquisa Indígena) na Memorial University em St. John's, Newfoundland e Labrador, Canadá. Liboiron é a Red River Métis/Michif, criada em Lac la Biche, território do Tratado 6.

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### *Shortlist*

**Christina Dunbar-Hester.** *Hacking Diversity: The Politics of Inclusion in Open Technology Cultures* (Princeton UP, 2020). **Eva Haifa Giraud.** *What Comes After Entanglement? Activism, Anthropocentrism, and an Ethics of Exclusion* (Duke UP, 2019). **Kregg Hetherington.** *The Government of Beans: Regulating Life in the Age of Monocrops* (Duke UP, 2020). **Max Liboiron.** *Pollution is Colonialism* (Duke UP, 2021). **Anne Pollock.** *Sickening: How Anti-Black Racism and Health Disparities in the United States* (University of Minnesota Press, 2021). **Emily Wanderer.** *The Life of a Pest: An Ethnography of Biological Invasion in Mexico* (University of California Press, 2020)

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### *Lista corta*

**Christina Dunbar-Hester.** *Hacking Diversity: The Politics of Inclusion in Open Technology Cultures* (Princeton University Press, 2020). **Eva Haifa Giraud.** *¿Qué viene después del Enredo? Activismo, antropocentrismo y ética de la exclusión* (Duke UP, 2019). **Kregg Hetherington.** *The Bean Government: Regulating Life in the Age of Monocrops* (El gobierno del frijol: regulación de la vida en la era de los monocultivos) (Duke UP, 2020). **Max Liboiron.** *La contaminación es colonialismo* (Duke UP, 2021). **Anne Pollock.** *Sick: How Anti-Black Racism and Health Disparities in the United States* (Enfermo: Cómo el racismo antinegro y las disparidades de salud en los Estados Unidos) (University of Minnesota Press, 2021). **Emily Wanderer.** *La vida de una plaga: una etnografía de invasión biológica en México* (University of California Press, 2020)

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### *Lista restrita*

**Christina Dunbar-Hester.** *Hacking Diversity: The Politics of Inclusion in Open Technology Cultures* (Princeton University Press, 2020). **Eva Haifa Giraud.** *O que vem depois do Entanglement? Ativismo, Antropocentrismo e Ética da Exclusão* (Duke UP, 2019). **Kregg Hetherington.** *O Governo do Feijão: Regulating Life in the Age of Monocrops* (Duke UP, 2020). **Max Liboiron.** *Poluição é Colonialismo* (Duke UP, 2021). **Anne Pollock.** *Doente: How Anti-Black Racism and Health Disparities in the United States* (University of Minnesota Press, 2021). **Emily Wanderer.** *The Life of a Pest: Uma Etnografia da Invasão Biológica no México* (University of California Press, 2020)

**2022 Carson Prize Committee/ Comité del Premio Carson 2022 / 2022 Comitê do Prêmio Carson:** Duygu Kasdogan (chair/ presidenta/presidenta), Dominic Boyer, Vivian Choi, Misria Shaik Ali, Natasha Vally.

## AWARDS

### *Edge Prize 2022: Jaimie Morse*

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#### *Jaimie Morse*

The 2022 David Edge Prize committee are delighted to award the 2022 prize to Jaimie Morse's 2021 *Osiris* article: "The Geopolitics of 'Rape Kit' Protocols: Historical Problems in Translation as Humanitarian Medicine Meets International Law," *Osiris* 36(2021): 200–218. Morse's article traces the global circulation of the "rape kit" and its attendant protocols. The author enlightens the reader to the relentless activism of nurses from the 1970s, following the rape kit, its protocols, and guidelines transnationally from the United States to the Democratic Republic of Congo, former Yugoslavia, and Rwanda. Taking a ground-up approach to this instrument's geopolitical life, Morse shows how overstretched medical professionals have been tasked with the impossible job of reconciling the often-divergent priorities of humanitarian medicine and international forensic law on the ground. The article deftly navigates a vast medical and legal terrain, demonstrating the very best that transnational and feminist STS is capable of accomplishing. Rigorously researched and persuasively argued, it achieves formidable breadth while always anchored in rich empirical detail. At this moment when women's rights to their bodies are contested (*Roe v. Wade*), this article offers one of those rare openings in which analytical sophistication meets timely ethical reflections.

### *Premio Edge 2022: Jaimie Morse*

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#### *Jaimie Morse*

El comité del Premio David Edge 2022 se complace en otorgar el premio 2022 al artículo de *Osiris* 2021 de Jaimie Morse: "La geopolítica de los protocolos del 'kit de violación': problemas históricos en la traducción como la medicina humanitaria se encuentra con el derecho internacional", *Osiris* 36 (2021): 200-

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218. El artículo de Morse rastrea la circulación global del "kit de violación" y sus protocolos correspondientes. El autor aclara al lector sobre el activismo implacable de las enfermeras de la década de 1970, siguiendo el kit de violación, sus protocolos y directrices transnacionalmente de los Estados Unidos a la República Democrática del Congo, la ex Yugoslavia y Ruanda. Adoptando un enfoque básico de la vida geopolítica de este instrumento, Morse muestra cómo a los profesionales médicos sobrecargados se les ha encomendado el trabajo imposible de conciliar las prioridades a menudo divergentes de la medicina humanitaria y el derecho forense internacional sobre el terreno. El artículo navega hábilmente por un vasto campo médico y legal, demostrando lo mejor que la CTS transnacional y feminista es capaz de lograr. Rigurosamente investigado y persuasivamente argumentado, alcanza una amplitud formidable mientras siempre está anclado en ricos detalles empíricos. En un momento en que los derechos de las mujeres a sus cuerpos son desafiados (*Roe vs. Wade*), este artículo ofrece una de esas raras aperturas en las que la sofisticación analítica encuentra reflexiones éticas oportunas.

### *Prêmio Edge 2022: Jaimie Morse*

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#### *Jaimie Morse*

O comitê do Prêmio David Edge 2022 tem o prazer de conceder o prêmio 2022 ao artigo de Jaimie Morse 2021 *Osiris*: "A Geopolítica dos Protocolos do 'Kit de Violão': Problemas históricos na tradução como a Medicina Humanitária encontra o Direito Internacional", *Osiris* 36(2021): 200-218. O artigo de Morse traça a circulação global do "kit de estupro" e seus protocolos correspondentes. O autor esclarece o leitor sobre o ativismo implacável das enfermeiras dos anos 70, seguindo o kit de estupro, seus protocolos e diretrizes transnacionalmente dos Estados Unidos para a República Democrática do Congo, antiga Iugoslávia e Ruanda. Tomando uma abordagem de base da vida geopolítica deste instrumento, Morse mostra como profissionais médicos sobrecarregados têm sido encarregados do trabalho impossível de conciliar as prioridades frequentemente divergentes da medicina humanitária e do direito forense internacional no terreno. O artigo navega habilmente por um vasto terreno médico e jurídico, demonstrando o melhor que a STS transnacional e feminista é capaz de realizar. Rigorosamente pesquisado e persuasivamente argumentado, ele

## AWARDS

atinge uma amplitude formidável enquanto sempre ancorado em ricos detalhes empíricos. Neste momento em que os direitos das mulheres a seus corpos são contestados (*Roe v. Wade*), este artigo oferece uma daquelas raras aberturas em que a sofisticação analítica encontra oportunas reflexões éticas.

**The 2022 David Edge Prize Committee/ El Comité del Premio David Edge 2022/ O Comitê do Prêmio David Edge 2022:** Chihyung Jeon (chair/presidente), Barkha Kagliwal, Canay Ozden-Schilling, Manuel Tironi, Amanda Windle.

### *Mullins Prize 2022: Alex Zahara*

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#### *Alex Zahara*

The Mullins Committee received 9 papers and 10 recommendations for this year's prize. The prize is awarded to Alex Zahara for the paper "Breathing Fire into Landscapes that Burn: Wildfire Management in a Time of Alterlife," in *Engaging Science, Technology, and Society* (2020).

Both politically and environmentally urgent, this article is exemplary

of a text that models Indigenous STS by a settler author. Navigating positionality, this text masterfully analyzes important content about expertise, fire, and management in what is currently the Canadian province of Saskatchewan. Using an exemplary writing style, Zahara actively engages the reader in STS across disciplines, history, and cultures. Most importantly, this paper serves as a significant model of ethical research

design and practice for working with historically marginalized social groups, a necessary and timely methodological contribution to STS.



## AWARDS

### *Premio Mullins 2022: Alex Zahara*

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#### *Alex Zahara*

El Comité Mullins recibió 9 documentos y 10 recomendaciones para el premio de este año. El premio se otorga a Alex Zahara por el trabajo "Breathing Fire into Landscapes that Burn: Wildfire Management in a Time of Alterlife" en *Engaging Science, Technology, and Society* (2020).

Tanto política como ambientalmente urgente, este artículo es un ejemplo de un texto que es un modelo de CTS indígena de un autor colonizador. Navegando por la posicionalidad, este texto analiza magistralmente contenidos importantes sobre experiencia, fuego y gestión en lo que hoy es la provincia canadiense de Saskatchewan. Usando un estilo de escritura ejemplar, Zahara involucra activamente al lector en STS a través de disciplinas, historia y culturas. Más importante aún, este artículo sirve como un modelo significativo de diseño y práctica de investigación ética para trabajar con grupos sociales históricamente marginados, una contribución metodológica necesaria y oportuna a CTS.

### *Prêmio Mullins 2022: Alex Zahara*

PT

#### *Alex Zahara*

O Comitê Mullins recebeu 9 trabalhos e 10 recomendações para o prêmio deste ano. O prêmio é concedido a Alex Zahara pelo trabalho "Breathing Fire into Landscapes that Burn: Wildfire Management in a Time of Alterlife", em *Engaging Science, Technology, and Society* (2020).

Tanto politicamente quanto ambientalmente urgente, este artigo é exemplar de um texto que é modelo de STS Indígena por um autor colonizador. Navegando na posicionalidade, este texto analisa magistralmente conteúdos importantes sobre perícia, fogo e gestão no que é atualmente a província canadense de Saskatchewan. Usando um estilo de escrita exemplar, Zahara envolveativamente o leitor em STS através de disciplinas, história e culturas. Mais importante ainda, este artigo serve como um modelo significativo de desenho e prática de pesquisa ética para trabalhar com grupos sociais historicamente marginalizados, uma contribuição metodológica necessária e oportuna para a STS.

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**Nicholas C. Mullins Award Committee/ Comité del Premio Nicholas C. Mullins/ Comitê do Prêmio Nicholas C. Mullins:** Bryn Seabrook (Chair, Presidenta), Wen-Ling Hong, Lucy van der Wiel.

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### *STS Infrastructure Award 2022: Administrative and Editorial Pillars of the Society and Field*

**EN**

The Society for Social Studies of Science (4S) is delighted to announce it has awarded the STS Infrastructure Award 2022 to eight people who have been the administrative and editorial pillars of our Society and field in recent years



**Left to right/ De izquierda a derecha:** Stephen Zehr, Sergio Sismondo, Daniel Lee Kleinman, and Edward Hackett.

- **Stephen Zehr**, Professor Emeritus of Sociology at the University of Southern Indiana
- **Edward Hackett**, Professor Emeritus in the School of Human Evolution and Social Change at Arizona State University, and Brandeis University
- **Daniel Lee Kleinman**, Associate Provost for Graduate Affairs, Boston University
- **Sergio Sismondo**, former Editor and current Eo-Editor of *Social Studies of Science* Queen's University
- **Wesley Shrum**, Louisiana State University
- **Paige Miller**, University of Wisconsin, River Falls
- **Stephen Coffee**, Former Webmaster, Consultant
- **Katie Vann**, former Managing Editor, *ST&HV & ESTS*

The committee members recognize that a professional society is a function of the labor of its members and staff. The work of the award recipients, over different periods in recent decades, has made enormous contributions to

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every aspect of 4S' operations. The administrative service to 4S of Wes Shrum began in 1987 as Secretary/Treasurer. In 2013, he became Meetings Planner. He has been the lynchpin of 4S operations, serving with an astounding 18 consecutive Presidents. Wes has organized annual meetings, implemented policy decisions, saw the society grow from a few hundred to over two thousand, and saw the shift of 4S operations into the digital age. Over the years, the remainder of the core administrative team joined Wes. Stephen Zehr was 4S Secretary from 2013 to 2021 after completing a term on 4S Council. He ensured the smooth running of 4S Council and Business meetings, elections and much else. Paige Miller began as Assistant Treasurer to Wes in 2008 and served as Treasurer from 2013 until 2021. She kept 4S' finances in order and diligently ensured payments. Steve Coffee served as 4S Webmaster from 2006 to 2022. He was responsible for supporting the vast majority of 4S infrastructure, from membership systems, abstract submission, registration payments, and our monthly *Technoscience* newsletter, to responding to thousands of queries from members. The society has grown and prospered thanks to their work.

The editorial service to 4S of the remaining awardees has been central to 4S and STS publications in recent years. This period has seen the Society's subscription journal *Science, Technology and Human Values* (*ST&HV*) go from strength to strength, with steadily increasing citations and a current 5-year Impact Factor (IF) of 4.5, a highly impressive figure in the social sciences. This success reflects the skill and hard work of Edward Hackett, who was Editor of the journal from 2012 to 2022, and Katie Vann, who served as Managing Editor with Ed. Katie was also inaugural Managing Editor for the Society's Open Access (OA) journal *Engaging Science, Technology, and Society* (*ESTS*), serving with founding Editor Daniel Lee Kleinman from 2015. This bold undertaking has positioned 4S and STS central to OA publishing and enabled experimentation with style and content that has expanded the field. We also recognize the vast and wide-ranging contributions of Sergio

Sismondo who served as Editor of *Social Studies of Science* from 2012 to 2022. The journal has long been affiliated with 4S and has a similar reach and impact to *ST&HV*.

In addition to the extensive roles outlined here, many of the nominees have also served on 4S Council and taken up multiple committee positions. The committee unanimously agreed that the 4S Infrastructure Prize is a fitting

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recognition of the enormous amount of labor, time and care the nominees have contributed to our Society and the field of STS.

### *Premio STS Infraestructura 2022: Pilares administrativos y editoriales de la sociedad y el campo*

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Premio STS Infraestructura 2022: Pilares administrativos y editoriales de la sociedad y el campo

La Sociedad de Estudios Sociales de la Ciencia (4S) se complace en anunciar que ha otorgado el Premio STS Infrastructure 2022 a ocho personas que han sido los pilares administrativos y editoriales de nuestra Sociedad y campo en los últimos años.

- **Stephen Zehr**, Profesor Emérito de Sociología en la Universidad del Sur de Indiana
- **Edward Hackett**, Profesor Emérito de la Escuela de Evolución Humana y Cambio Social de la Universidad Estatal de Arizona y de la Universidad de Brandeis
- **Daniel Lee Kleinman**, Decano Asociado de Asuntos de Posgrado, Universidad de Boston
- **Sergio Sismondo**, ex editor y actual Coeditor de *Estudios Sociales de Science Queen's University*
- **Wesley Shrum**, Universidad Estatal de Luisiana
- **Paige Miller**, Universidad de Wisconsin, River Falls
- **Stephen Coffee**, ex Webmaster, consultor
- **Katie Vann**, ex Editora Gerente, *ST&HV & ESTS*

Los miembros del comité reconocen que una sociedad profesional es una función del trabajo de sus miembros y empleados. El trabajo de los ganadores, en diferentes períodos en las últimas décadas , ha hecho enormes contribuciones a todos los aspectos de las operaciones de 4S. En 2013, se convirtió en planificador de reuniones. Ha sido el linchamiento de las operaciones 4S, sirviendo con la asombrosa cifra de 18 presidentes consecutivos. Wes organizó reuniones anuales, implementó decisiones políticas, vio crecer a la sociedad de unos pocos cientos a más de dos mil, y vio el cambio de las operaciones 4S a la era digital. A lo largo de los años, el

## AWARDS

resto del equipo administrativo central se unió a Wes. Stephen Zehr fue secretario de 4S de 2013 a 2021 después de completar un mandato en el Consejo 4S. Aseguró el buen funcionamiento de las reuniones del consejo y los negocios 4S, elecciones y más. Paige Miller comenzó como Tesorera Adjunta de Wes en 2008 y se desempeñó como Tesorera desde 2013 hasta 2021. Ella mantuvo las finanzas de 4S en orden y diligentemente aseguró los pagos. Steve Coffee se desempeñó como webmaster de 4S de 2006 a 2022. Fue responsable de apoyar la gran mayoría de la infraestructura de 4S, desde sistemas de miembros, resúmenes, pagos de registro y nuestro boletín mensual de 4S. Tecnociencia, incluso respondiendo a miles de consultas de los miembros. La sociedad ha crecido y prosperado gracias a su trabajo.

El servicio editorial para las 4S de los otros ganadores ha sido central en las publicaciones de 4S y STS en los últimos años. En este período, la revista de suscripción de la *Sociedad de Ciencia, Tecnología y Valores Humanos (ST&HV)* ha sido cada vez más fuerte, con citas crecientes y un factor de impacto (IF) actual de 5 años de 4.5. Una figura muy impresionante en las ciencias sociales. Este éxito refleja la habilidad y el arduo trabajo de Edward Hackett, quien fue editor de la revista de 2012 a 2022, y Katie Vann, quien se desempeñó como editora gerente con Ed. Katie también fue la primera editora gerente de la revista Open Access Society. (OA) *Engaging Science, Technology, and Society (ESTS)*, trabajando con el editor fundador Daniel Lee Kleinman desde 2015. Esta audaz empresa posicionó a 4S y STS como centrales para la publicación de OA y permitió la experimentación con el estilo y el contenido que expandió el campo. También reconocemos las vastas e integrales contribuciones de Sergio

Seismondo que se desempeñó como editor de *Estudios Sociales de la Ciencia* de 2012 a 2022. La revista ha estado afiliada durante mucho tiempo a 4S y tiene un alcance e impacto similares a ST&HV.

Además de los extensos roles descritos aquí, muchos de los nominados también sirvieron en la Junta de 4S y asumieron varias posiciones en el comité. El comité acordó unánimemente que el Premio de Infraestructura 4S es un reconocimiento apropiado de la enorme cantidad de trabajo, tiempo y cuidado que los nominados han contribuido a nuestra Sociedad y al campo de STS.

## AWARDS

### *STS Infrastructure Award 2022: Administrative and Editorial Pillars of the Society and Field*

PT

A Sociedade de Estudos Sociais da Ciência (4S) tem o prazer de anunciar que concedeu o STS Infrastructure Award 2022 a oito pessoas que têm sido os pilares administrativos e editoriais de nossa Sociedade e campo nos últimos anos.

- **Stephen Zehr**, Professor Emérito de Sociologia da Universidade do Sul de Indiana
- **Edward Hackett**, professor emérito da Escola de Evolução Humana e Mudança Social da Universidade Estadual do Arizona, e da Universidade Brandeis
- **Daniel Lee Kleinman**, reitor associado para Assuntos de Pós-Graduação, Universidade de Boston
- **Sergio Sismondo**, ex-editor e atual co-editor da *Social Studies of Science* Queen's University
- **Wesley Shrum**, Louisiana State University
- **Paige Miller**, Universidade de Wisconsin, River Falls
- **Stephen Coffee**, Ex-Mestre de Webmaster, Consultor
- **Katie Vann**, ex-editora administrativa, *ST&HV & ESTS*

Os membros do comitê reconhecem que uma sociedade profissional é uma função do trabalho de seus membros e funcionários. O trabalho dos premiados, ao longo de diferentes períodos nas últimas décadas, tem feito enormes contribuições para todos os aspectos das operações da 4S. O serviço administrativo à 4S de Wes Shrum começou em 1987 como secretário/tesoureiro. Em 2013, ele se tornou Planejador de Reuniões. Ele tem sido o linchamento das operações da 4S, servindo com um espantoso 18 presidentes consecutivos. Wes organizou reuniões anuais, implementou decisões políticas, viu a sociedade crescer de algumas centenas para mais de duas mil, e viu a mudança das operações da 4S para a era digital. Ao longo dos anos, o restante da equipe administrativa central juntou-se a Wes. Stephen Zehr foi secretário da 4S de 2013 a 2021, após completar um mandato no Conselho da 4S. Ele garantiu o bom funcionamento das reuniões do Conselho e Negócios 4S, eleições e muito mais. Paige Miller começou

## AWARDS

como Tesoureira Adjunta de Wes em 2008 e atuou como Tesoureira de 2013 até 2021. Ela manteve as finanças da 4S em ordem e diligentemente assegurou os pagamentos. Steve Coffee serviu como Webmaster da 4S de 2006 a 2022. Ele foi responsável por apoiar a grande maioria da infra-estrutura da 4S, desde sistemas de membros, envio de resumos, pagamentos de inscrições e nosso boletim informativo mensal da Technoscience, até responder a milhares de consultas dos membros. A sociedade tem crescido e prosperado graças ao seu trabalho.

O serviço editorial para a 4S dos demais premiados tem sido central para as publicações da 4S e STS nos últimos anos. Neste período, a revista por assinatura da *Sociedade Ciência, Tecnologia e Valores Humanos (ST&HV)* tem sido cada vez mais forte, com citações cada vez maiores e um fator de impacto (IF) atual de 5 anos de 4,5, uma figura altamente impressionante nas ciências sociais. Este sucesso reflete a habilidade e o trabalho duro de Edward Hackett, que foi editor da revista de 2012 a 2022, e Katie Vann, que atuou como editora-gerente com Ed. Katie também foi a primeira Editora-gerente da revista da Sociedade de Acesso Aberto (OA) *Engaging Science, Technology, and Society (ESTS)*, atuando com o Editor fundador Daniel Lee Kleinman a partir de 2015. Este empreendimento ousado posicionou a 4S e STS como centrais para a publicação da OA e permitiu a experimentação com estilo e conteúdo que expandiu o campo. Também reconhecemos as vastas e abrangentes contribuições de Sergio

Sismondo que atuou como Editor de *Estudos Sociais da Ciência* de 2012 a 2022. A revista há muito tempo é afiliada à 4S e tem um alcance e impacto semelhantes aos da ST&HV.

Além das extensas funções aqui descritas, muitos dos indicados também serviram no Conselho da 4S e assumiram várias posições no comitê. O comitê concordou unanimemente que o Prêmio 4S de Infra-estrutura é um reconhecimento adequado da enorme quantidade de trabalho, tempo e cuidado que os indicados contribuíram para nossa Sociedade e para o campo da STS.

**STS Infrastructure Award Committee/ Comité del Premio de Infraestructura STS/ Comitê do Prêmio STS de Infra-Estrutura:** Maka Suarez (Chair/Presidenta), Vivette Garcia-Deister, Emma Kowal, Bryn Seabrook.

# AWARDS

## Esocite 2022 Awards / PREMIOS ESOCITE 2022 / PREMIOS ESOCITE 2022

EN

The objective of these awards is to give institutional recognition to the contributions made by researchers of different nationalities and backgrounds, to the knowledge of issues related to the social approach to science and technology in our region. To this end, the originality of the proposed works, conceptual creativity, methodological rigor and social relevance of the problems addressed in different types of production will be especially valued.

The choice of these three names is a deliberate choice of the Association to honor, at the same time, some of those who laid the foundations for thinking about "science-technology and society" relations in our region. Roche, Herrera and Varsavsky, like many others, were not only brilliant intellectuals, but were, at the same time, deeply committed to the future of Latin America and, in particular, to a more socially just development that includes many of those who, even today, continue to be marginalized by our societies.

ES

El objetivo de estos premios es hacer un reconocimiento institucional a los aportes realizados por investigadores de diferentes nacionalidades y trayectorias, al conocimiento de cuestiones relacionadas con el abordaje social de las ciencias y las tecnologías en nuestra región. Para ello se valorará en especial la originalidad de los trabajos propuestos, la creatividad conceptual, el rigor metodológico y la relevancia social de las problemáticas abordadas en diferentes tipos de producción.

La elección de estos tres nombres es una opción deliberada de la Asociación para honrar, al mismo tiempo, a algunos de quienes sentaron las bases para pensar las relaciones "ciencia-tecnología y sociedad" en nuestra región. Roche, Herrera y Varsavsky, como muchos otros, no sólo fueron intelectuales brillantes, sino que estaban, al mismo tiempo, profundamente comprometidos con el futuro de América Latina y, en particular, con un desarrollo socialmente más justo, que incluya a muchos de quienes, aún hoy, siguen siendo marginados por nuestras sociedades.

PT

O objetivo destes prêmios é conceder um reconhecimento institucional aos aportes realizados por pesquisadores de diferentes nacionalidades e

## AWARDS

trajetórias ao conhecimento de questões relacionadas com a abordagem social das ciências e tecnologias na nossa região. Para isso serão levadas especialmente em conta a originalidade dos trabalhos propostos, a criatividade conceitual, o rigor metodológico e a relevância social das problemáticas abordadas em diferentes tipos de produção.

A escolha destes três nomes é uma opção deliberada da Associação para homenagear simultaneamente alguns daqueles que assentaram as bases para se pensar as relações "ciência-tecnologia e sociedade" na nossa região. Roche, Herrera y Varsavsky, como vários outros, não apenas foram intelectuais brilhantes, mas estavam, ao mesmo tempo, profundamente comprometidos com o futuro da América Latina e, particularmente, com um desenvolvimento socialmente mais justo, que incluísse vários daqueles que, ainda hoje, seguem sendo marginalizados por nossas sociedades.

### *"Oscar Varsavsky Award" for the most outstanding career in the STS field in Latin America*

*EN*

Oscar Varsavsky was born in Buenos Aires on January 18, 1920, and died in the same city on December 17, 1976. He has been one of the most original thinkers and a pioneer in considering questions related to science and technology in Latin America, as well as the relations between centers and peripheries. He made the proposal of a "politicized science", the negation of the dissociation between scientific and political thought, and especially the criticism of the myth of "universal science". According to him, researchers in underdeveloped countries generate a "total cultural dependence". With great topicality, Varsavsky speaks of the problem of papers, the alienation of researchers, the way in which research agendas are defined, the role of economic resources for scientific research, etc. epistemology as well as sociopolitics. He made a strong critique of the rules governing the development of the sciences. He believed that the obsession with quantitative methods conceals, in the illusion of freedom of research, a mechanism that guarantees the subjection of the scientist to the strategies of expansion of capital and the laws of the market. These ideas were his starting point for aspiring to a science that is truly freer from economic conditioning. Publications such as Science, Politics and Scientism; Towards a National

## AWARDS

Scientific Policy and Constructive Historical Framework for Social Styles, National Projects and their Strategies reflect the vigor of his ideas.

### *“Premio Oscar Varsavsky” a la trayectoria más destacada en el campo CTS en América Latina*

*ES*

Oscar Varsavsky nació en Buenos Aires el 18 de enero de 1920 y falleció en la misma ciudad el 17 de diciembre de 1976. Ha sido uno de los pensadores más originales y un pionero en considerar cuestiones relacionadas con la ciencia y la tecnología en América Latina, así como las relaciones entre centros y periferias. Realizó la propuesta de una “ciencia politizada”, la negación de la disociación entre el pensamiento científico y el político, y especialmente la crítica del mito de la “ciencia universal”. Según él, los investigadores de los países subdesarrollados llegan a generar una “dependencia cultural total”. Con gran actualidad, Varsavsky habla del problema de los papers, la alienación de los investigadores, el modo en que se definen las agendas de investigación, el papel de los recursos económicos para la investigación científica, etc. la epistemología tanto como la sociopolítica. Realizó una fuerte crítica a las normas que rigen el desarrollo de las ciencias. Opinaba que la obsesión por los métodos cuantitativos encubre, en la ilusión de la libertad de investigación, un mecanismo que garantiza la sujeción del científico a las estrategias de expansión del capital y las leyes del mercado. Estas ideas fueron su punto de partida para aspirar a una ciencia realmente más libre de los condicionamientos económicos. Publicaciones como Ciencia, Política y Cientificismo; Hacia una Política Científica Nacional y Marco Histórico Constructivo para Estilos Sociales, Proyectos Nacionales y sus Estrategias reflejan el vigor de sus ideas.

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### *“Premio Oscar Varsavsky” à trajetória de maior destaque no campo CTS na América Latina*

Oscar Varsavsky nasceu em Buenos Aires em 18 de janeiro de 1920 e faleceu na mesma cidade no dia 17 de dezembro de 1976. Foi um dos pensadores mais originais e um pioneiro em considerar questões relacionadas a ciência e tecnologia na América Latina, assim como as relações entre centros e periferias. Construiu a proposta de uma “ciência politizada”, a negação da

## AWARDS

dissociação entre o pensamento científico e político, e especialmente a crítica do mito da "ciência universal". Segundo ele, os pesquisadores dos países subdesenvolvidos produzem uma "dependência cultural total". Com grande atualidade, Varsavsky falava do problema dos papers, a alienação dos pesquisadores, o modo em que se definem as agendas de pesquisa, o papel dos recursos econômicos para a pesquisa científica, etc. a epistemologia assim como a sociopolítica. Produziu uma forte crítica às normas que regem o desenvolvimento das ciências. Dizia que a obsessão pelos métodos quantitativos encobre, na ilusão pela liberdade de pesquisa, um mecanismo que garante a sujeição do cientista às estratégias de expansão do capital e as leis do mercado. Estas idéias foram seu ponto de partida para aspirar a uma ciécia realmente mais livre dos condicionamentos económicos. Publicações como Ciéncia, Política e Cientificismo; Para uma Política Científica Nacional; Marco Histórico Construtivo para Estilos Sociais; Projetos Nacionais e suas Estratégias, refletem o vigor de sus idéias.

## AWARDS

### Oscar Varsavsky Award 2020: Pablo Kreimer

#### *Pablo Kreimer*

Pablo Kreimer is a sociologist with a Ph.D. in "Science, Technology, and Society" (STS Center, Paris). He is a Senior Investigator at the National Research Council of Argentina (CONICET), a Full Professor at the National



University of Quilmes and director of the STS Center at Maimónides University, Buenos Aires. He is specialized in political sociology of science with a focus on the historical dynamics of scientific fields, internationalization of research, relations between production and use of scientific research and coproduction of knowledge between central and peripheral contexts.

Pablo is founder member and former President (2014-2016) of the Latin American Association for

Social Studies of S&T (ESOCITE). He was awarded with the "Varsavsky Prize" (2021) for his outstanding contribution to STS field in Latin America.

His last books are: "Science & Society in Latin America. Peripheral Modernities" (Routledge, 2019); "Contra viento y marea emergencia y desarrollo de campos científicos en la periferia (CLACSO, 2016)"; "Science are also human beings" (Siglo XXI, 2010); "Science and Periphery: birth, dead and resurrection of molecular biology in Latin America" (EUDEBA, 2009, awarded with the National Prize of Science). His recent papers include: "Techno-scientific promises, disciplinary fields and social issues in peripheral contexts" (Science as Culture, 2022); "Constructivists Paradoxes: Provincializing, Globalizing, and Localizing STS" (ESTS, 2022); "Chagas Disease across Contexts: Scientific Knowledge in a Globalized World" (Medical Anthropology, 2021); "International ties at peripheral sites: co-producing social processes and scientific knowledge in Latin America" (Science as Culture, 2019); "Knowledge Production, Mobilization and Standardization in Chile's HidroAysén Case" (Minerva, 2018); "Latin American STS. A historical and reflexive approach" (Tapuya: Latin American STS, 2018);

## AWARDS

"An Unrequited Love. Social Sciences and STS", (*Anthropologie des connaissances*, 2017).

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### *Premio Oscar Varsavsky 2020: Pablo Kreimer*

Pablo KREIMER es sociólogo y doctor en "Ciencia, Tecnología y Sociedad" (Centre STS, París). Es Investigador Superior del Consejo Nacional de Investigaciones de Argentina (CONICET), Profesor Titular de la Universidad Nacional de Quilmes y director del Centro CTS de la Universidad Maimónides. Está especializado en la sociología política de la ciencia con un enfoque en la dinámica histórica de los campos científicos, la internacionalización de la investigación, las relaciones entre la producción y el uso de la investigación científica y la coproducción de conocimiento entre los contextos centrales y periféricos.

Pablo es miembro fundador y ex presidente (2014-2016) de la Asociación Latinoamericana de Estudios Sociales de CyT (ESOCITE). Fue galardonado con el "Premio Varsavsky" (2021) por su destacada contribución al campo CTS en América Latina.

Sus últimos libros son: "Science & Society in Latin America. Peripheral Modernities" (Routledge, 2019); "Contra viento y marea emergencia y desarrollo de campos científicos en la periferia (CLACSO, 2016)"; "El científico también es un ser humano" (Siglo XXI, 2010); "Ciencia y periferia: nacimiento, muerte y resurrección de la biología molecular en América Latina" (EUDEBA, 2009, por el que recibió el "Premio Nacional de Ciencia"). Entre sus papers recientes se encuentran: "Techno-scientific promises, disciplinary fields and social issues in peripheral contexts" (*Science as Culture*, 2022); "Constructivists Paradoxes: Provincializing, Globalizing, and Localizing STS" (*Engaging STS*, 2022); "Chagas Disease across Contexts: Scientific knowledge in a globalized world" (*Medical Anthropology*, 2021); "International ties at peripheral sites: co-producing social processes and scientific knowledge in Latin America" (*Science as Culture*, 2019); "Knowledge Production, Mobilization and Standardization in Chile's HidroAysén Case" (*Minerva*, 2018); "Latin American STS. A historical and reflexive approach" (*Tapuya: Latin American STS*, 2018); "An Unrequited Love. Social Sciences and STS", (*Anthropologie des Connaissances*, 2017).

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### *Prêmio Oscar Varsavsky 2020: Pablo Kreimer*

#### *Pablo Kreimer*

Pablo KREIMER é sociólogo e PhD em "Ciência, Tecnologia e Sociedade" (Centre STS, Paris). Ele é Pesquisador Sênior do Conselho Nacional de Pesquisa da Argentina (CONICET), Professor Titular da Universidade Nacional de Quilmes e Diretor do Centro STS da Universidade Maimonides. Ele é especializado na sociologia política da ciência com foco na dinâmica histórica dos campos científicos, na internacionalização da pesquisa, nas relações entre a produção e o uso da pesquisa científica e na co-produção do conhecimento entre os contextos central e periférico.

Pablo é membro fundador e ex-presidente (2014-2016) da Associação Latino-Americana de Estudos Sociais em C&T (ESOCITE). Ele recebeu o "Prêmio Varsavsky" (2021) por sua notável contribuição para o campo STS na América Latina.

Seus últimos livros são: "Science & Society in Latin America". Peripheral Modernities" (Routledge, 2019); "Contra viento y marea emergencia y desarollo de campos científicos en la periferia (CLACSO, 2016)"; "El científico también es un ser humano" (Siglo XXI, 2010); "Ciencia y periferia: nacimiento, muerte y resurrección de la biología molecular en América Latina" (EUDEBA, 2009, pelo qual recebeu o "Premio Nacional de Ciencia"). Trabalhos recentes incluem: "Promessas técnico-científicas, campos disciplinares e questões sociais em contextos periféricos" (Science as Culture, 2022); "Paradoxos Construtivistas: Provincializando, Globalizando e Localizando STS" (Engaging STS, 2022); "Doença de Chagas através de Contextos" (Chagas Disease across Contexts): Conhecimento científico em um mundo globalizado" (Antropologia Médica, 2021); "Vinculação internacional em locais periféricos: co-produção de processos sociais e conhecimento científico na América Latina" (Ciência como cultura, 2019); "Produção, mobilização e padronização do conhecimento no caso HidroAysén do Chile" (Minerva, 2018); "Latin American STS. Uma abordagem histórica e reflexiva" (Tapuya: Latin American STS, 2018); "An Unrequited Love. Ciências Sociais e STS", (Anthropologie des Connaissances, 2017).

# AWARDS

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## Oscar Varsavsky Award 2022: Léa Velho and Rosalba Casas

### Léa Velho

Léa Velho is a fundamental reference in the social studies of science and technology in Latin America, as well as internationally with respect to the region. Her contributions are articulated in research, training, as well as in the design, implementation and evaluation of public policies on science and technology.

Professor in Social Studies of Science and Technology at the Department of Science and Technology Policy of the State University of Campinas (based and currently collaborating professor in the same department). She holds a degree in Agricultural Engineering from the Universidade Estadual Paulista Júlio de Mesquita Filho (1976), a master's degree in Agronomy (Plant Production) from the Universidade Estadual Paulista Júlio de Mesquita Filho (1979) and a PhD in Science and Technology Policy from the Science Policy Research Unit - SPRU, University of Sussex, United Kingdom (1985). Post-doctorate at the



Department of Rural Sociology, Ohio University, USA. She was senior researcher and director of postgraduate studies at the Institute for New Technologies of the United Nations University in Maastricht, The Netherlands, from 2001 to 2005. She was visiting professor at the Department of Social Studies of Science at Cornell University, USA; at the Science Studies Unit of the University of Edinburgh, UK; and at the Department of Sociology at Indiana University in Bloomington, USA. and at the Scuola Superiore Sant'Anna in Pisa, Italy. He is a member of the editorial board of national (História, Ciências, Saúde - Manguinhos) and international journals (Science and Public Policy; Science, Technology and Society). She has long experience in research and consultancy in the area of Science and Technology Policy, acting mainly in the

Department of Rural Sociology, Ohio University, USA. She was senior researcher and director of postgraduate studies at the Institute for New Technologies of the United Nations University in Maastricht, The Netherlands, from 2001 to 2005. She was visiting professor at the Department of Social Studies of Science at Cornell University, USA; at the Science Studies Unit of the University of Edinburgh, UK; and at the Department of Sociology at Indiana University in Bloomington, USA. and at the Scuola Superiore Sant'Anna in Pisa, Italy. He is a member of the editorial board of national (História, Ciências, Saúde - Manguinhos) and international journals (Science and Public Policy; Science, Technology and Society). She has long experience in research and consultancy in the area of Science and Technology Policy, acting mainly in the

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following topics: dynamics of knowledge production and use, international cooperation in S&T, evaluation of S&T policies and activities, training of human resources for research, S&T indicators. (Source: Currículo Lattes).

### *Rosalba Casas*

Rosalba Casas is a Sociologist from the Institute of Social Research of UNAM. She holds a Master's degree in History and Sociopolitics of Science from the University of Montreal, Canada, and a PhD in Science and Technology Policy from Sussex, England. She is a member of the Mexican Academy of Sciences



and Researcher Level III of the SIN. She was Director of the Institute for Social Research at UNAM from August 2005 to August 2013. In Rosalba Casas' career there is a deep connection between interdisciplinary studies and the generation of policy proposals and concrete actions in STI, from the initial studies on biotechnology and the agri-food sector, the relationship between scientific production, productive and technological

development, public policies and networks, always articulating these dimensions with the improvement of social conditions and social inclusion. In addition, it is important to contribute to the opening of regional considerations at the subnational level in the analysis of STI policies. The "regional question", and the Latin American conceptualization of knowledge exchange networks, is a key element in the analysis of STI policies.

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### *Premio Oscar Varsavsky 2022: Léa Velho y Rosalba Casas*

#### *Léa Velho*

Profesora Titular de Estudios Sociales de la Ciencia y la Tecnología en el Departamento de Política Científica y Tecnológica de la Universidad Estadual

## AWARDS

de Campinas (jubilado y actualmente profesor colaborador del mismo departamento). Es ingeniero agrónomo de la Universidad Estadual Paulista Júlio de Mesquita Filho (1976), magíster en Agronomía (Producción Vegetal) de la Universidad Estadual Paulista Júlio de Mesquita Filho (1979) y doctor en Política Científica y Tecnológica de la la Unidad de Investigación de Políticas Científicas - SPRU, Universidad de Sussex, Reino Unido (1985). Realizó un trabajo posdoctoral en el Departamento de Sociología Rural de la Universidad de Ohio, EE.UU. Fue investigadora senior y directora de posgrado en el Instituto de Nuevas Tecnologías de la Universidad de las Naciones Unidas en Maastricht, Países Bajos, de 2001 a 2005. Fue profesora invitada en el Departamento de Estudios Sociales de la Ciencia en la Universidad de Cornell, EE. UU.; en la Unidad de Estudios Científicos de la Universidad de Edimburgo, Reino Unido; y en el Departamento de Sociología de la Universidad de Indiana en Bloomington, EE.UU. y la Scuola Superiori Sant'Anna en Pisa, Italia. Es miembro del comité editorial de revistas nacionales (História, Ciências, Saúde - Manguinhos) e internacionales (Ciencia y Políticas Públicas; Ciencia, Tecnología y Sociedad). Tiene amplia experiencia en investigación y consultoría en el campo de la Política Científica y Tecnológica, trabajando principalmente en los siguientes temas: dinámicas de producción y uso del conocimiento, cooperación internacional en CyT, evaluación de políticas y actividades de CyT, formación de recursos humanos para la investigación, indicadores de CyT.

Léa Velho es un referente fundamental en los estudios sociales de la ciencia y la tecnología en América Latina, así como a nivel internacional respecto de la región. Sus contribuciones se articulan tanto en investigación, formación, como en el diseño, implementación y evaluación de políticas públicas de ciencia y tecnología.

Professora titular em Estudos Sociais da Ciéncia e da Tecnologia junto ao Departamento de Política Científica e Tecnológica da Universidade Estadual de Campinas (aposentada e atualmente professora colaboradora no mesmo departamento). Possui graduação em Engenharia Agronômica pela Universidade Estadual Paulista Júlio de Mesquita Filho (1976), mestrado em Agronomia (Produção Vegetal) pela Universidade Estadual Paulista Júlio de Mesquita Filho (1979) e doutorado em Science and Technology Policy pelo Science Policy Research Unit - SPRU, University of Sussex, Reino Unido (1985). Realizou pós-doutorado no Department of Rural Sociology da

## AWARDS

Universidade de Ohio, USA. Foi pesquisadora senior e diretora de pós-gaduação no Institute for New Technologies da Universidade das Nações Unidas em Maastricht, Holanda, de 2001 a 2005. Foi professora visitante no Departament of Social Studies of Science da Universidade de Cornell, USA; na Science Studies Unit da Universidade de Edinburgh, RU; e no Department of Sociology da Universidade de Indiana em Bloomington, USA. e da Scuola Superiori Sant'Anna em Pisa, Italia. É membro do comitê editorial de periódicos nacionais (História, Ciências, Saúde—Manguinhos) e internacionais (Science and Public Policy; Science, Technology and Society). Tem larga experiência em pesquisa e consultoria na área de Política Científica e Tecnológica, atuando principalmente nos seguintes temas: dinâmica da produção e uso do conhecimento, cooperacao internacional em C&T, avaliação de políticas e atividades de C&T, formação de recursos humanos para pesquisa, indicadores de C&T. (Fonte: Currículo Lattes)

### *Rosalba Casas*

Rosalba Casas es Socióloga por el Instituto de Investigaciones Sociales de UNAM. Realizó una Maestría en Historia y Sociopolítica de la Ciencia en la Universidad de Montreal, Canadá, y es Doctora en Política Científica y Tecnológica por Sussex, Inglaterra. Es miembro de la Academia Mexicana de Ciencias e Investigadora Nivel III del SIN. Fue Directora del Instituto de investigaciones Sociales de la UNAM entre agosto 2005-agosto2013. En la trayectoria de Rosalba Casas hay una profunda conexión entre la realización de estudios interdisciplinarios con la generación de propuestas de políticas y acciones concretas en materia de CTI, desde los iniciales estudios sobre biotecnología y el sector agroalimentario, la relación entre producción científica, desarrollo productivo y tecnológico, políticas públicas y redes, articulando siempre estas dimensiones con el mejoramiento de las condiciones sociales y la inclusión social. Junto a ello, es importante el aporte en torno a la apertura de consideraciones regionales a nivel subnacional en el análisis de políticas de CTI. La “cuestión regional”, y la conceptualización latinoamericana de las redes de intercambio de conocimiento, o redes de conocimiento. Es autora, coautora y/o coordinadora de más de 10 libros y más de 70 artículos y capítulos especializados. Ha publicado libros en coediciones entre la UNAM y editoriales como Anthropos, Plaza y Valdés y Miguel Angel Porrúa. Sus artículos han sido publicados en prestigiosas

## AWARDS

revistas internacionales como: Revista Mexicana de Sociología, Comercio Exterior, Revista de Estudios Sociales de la Ciencia; Science and Public Policy; Research Policy; Technology in Society; Innovation: Management, Policy and Practice.”

Ha sido miembro activo de ESOCITE, aportando sustantivamente a la formación y consolidación de la sociedad latinoamericana tanto mediante la organización de encuentros como en la participación en proyectos asociados y en la presidencia de ESOCITE entre los años 2016 y 2018. Ha sido profesora en el posgrado de Ciencias Políticas y Sociales y en el programa de Filosofía de la Ciencia de UNAM, así como en el Instituto José Ma. Luis Mora y en el CIECAS-IPN. Como indica la web de su universidad: “Ha fungido como tutora principal de tesis de posgrado en numerosas instituciones nacionales y extranjeras. Ha dictado cursillos en las universidades Veracruzana Autónoma de Chihuahua y Autónoma de Chapingo. Por invitación ha participado en la elaboración del programa de Maestría Virtual en Ciencia, Tecnología y Sociedad con financiamiento de la Organización de Estados Americanos y en la Cátedra sobre Sociedad del conocimiento organizada por FLACSO-Méjico. Asimismo, ha colaborado también con la Cátedra México: Ciencia, Tecnología e Innovación de la Organización de Estados Iberoamericanos.”. (Fuente: UNAM)

PT

### *Prêmio Oscar Varsavsky 2022: Léa Velho e Rosalba Casas*

*Léa Velho*

Léa Velho é uma referência fundamental nos estudos sociais de ciência e tecnologia na América Latina, bem como internacionalmente no que diz respeito à região. Suas contribuições são articuladas em pesquisa, treinamento, assim como na concepção, implementação e avaliação de políticas públicas sobre ciência e tecnologia.

Professor em Estudos Sociais de Ciência e Tecnologia no Departamento de Ciência e Política Tecnológica da Universidade Estadual de Campinas (baseado e atualmente professor colaborador no mesmo departamento). É formada em Engenharia Agrícola pela Universidade Estadual Paulista Júlio de Mesquita Filho (1976), mestre em Agronomia (Produção Vegetal) pela Universidade Estadual Paulista Júlio de Mesquita

## AWARDS

Filho (1979) e doutora em Política Científica e Tecnológica pela Unidade de Pesquisa em Política Científica—SPRU, Universidade de Sussex, Reino Unido (1985). Ela tem um pós-doutorado do Departamento de Sociologia Rural, Universidade de Ohio, EUA. Foi pesquisadora sênior e diretora de estudos de pós-graduação no Instituto de Novas Tecnologias da Universidade das Nações Unidas em Maastricht, Holanda, de 2001 a 2005. Foi professora visitante no Departamento de Estudos Sociais da Universidade de Cornell, EUA; na Unidade de Estudos Científicos da Universidade de Edimburgo, Reino Unido; e no Departamento de Sociologia da Universidade de Indiana em Bloomington, EUA. e na Scuola Superiore Sant'Anna em Pisa, Itália. Ele é membro do conselho editorial de revistas nacionais (História, Ciências, Saúde—Manguinhos) e internacionais (Ciência e Políticas Públicas; Ciência, Tecnologia e Sociedade). Possui ampla experiência em pesquisa e consultoria na área de Política Científica e Tecnológica, trabalhando principalmente nos seguintes tópicos: dinâmica de produção e uso do conhecimento, cooperação internacional em C&T, avaliação de políticas e atividades de C&T, treinamento de recursos humanos para pesquisa, indicadores de C&T. (Fonte: Currículo Lattes).

### *Rosalba Casas*

Rosalba Casas é Socióloga do Instituto de Pesquisa Social da UNAM. Ela é mestre em História e Sociopolítica da Ciência pela Universidade de Montreal, Canadá, e PhD em Política Científica e Tecnológica pela Sussex, Inglaterra. Ela é membro da Academia Mexicana de Ciências e Pesquisador Nível III do SIN. Ela foi diretora do Instituto de Pesquisa Social da UNAM entre agosto de 2005 e agosto de 2013. Na carreira de Rosalba Casas há uma profunda conexão entre os estudos interdisciplinares e a geração de propostas políticas e ações concretas no campo das CTI, desde os estudos iniciais sobre biotecnologia e o estor agroalimentar, a relação entre produção científica, desenvolvimento produtivo e tecnológico, políticas públicas e redes, articulando sempre estas dimensões com a melhoria das condições sociais e a inclusão social. Além disso, é importante contribuir para a abertura de considerações regionais em nível subnacional na análise das políticas de CTI. A "questão regional", e a conceptualização latino-americana de redes de compartilhamento de conhecimento, é um elemento chave na análise das políticas de CTI.

## AWARDS

EN

### *Amilcar Herrera Award to the production of “Senior” authors, over 40 years of age.*

This award is given in 2 categories

- **Amilcar Herrera Award in the category of published books**
- **Amilcar Herrera Award in the category of articles or book chapters**

Amilcar Herrera was an Argentine geologist born in 1920. In the early 1970s he directed the Latin American World Model project at the Bariloche Foundation, which resulted in his book Science and Politics in Latin America (1971). Exiled by the Argentine dictatorship, after a stay at the Science Policy Research Institute (SPRU) in England, he settled in Brazil in 1979, where he founded the Institute of Geosciences and the Department of Science and Technology Policy at the State University of Campinas (Unicamp), where he was a professor for more than 15 years. Among his fundamental contributions to the thinking on science, technology and society in Latin America, he explained the obstacles to development not as the result of a lack of scientific capacity but of local social demand for R&D, a structural condition of the peripheral situation. Overcoming this obstacle would only be possible through a national project that would generate an endogenous scientific-technological dynamic, oriented by problems relevant to the country. Another fundamental concept, presented in Los determinantes sociales de la política científica en América Latina (1973), was the distinction between implicit and explicit S&T policy, and the frequent opposition between the two. Amilcar Herrera died in Campinas, Brazil, in 1995.

ES

### *Premio Amílcar Herrera a la producción de autores “Senior,” mayores de 40 años.*

Este Premio se otorga en 2 categorías

- **Premio Amílcar Herrera categoría libros publicados**
- **Premio Amílcar Herrera categoría artículos o capítulos de libros**

## AWARDS

Amilcar Herrera fue un geólogo argentino nacido en 1920. Al inicio de la década de 1970 dirigió el proyecto Modelo Mundial Latinoamericano en la Fundación Bariloche, del que resultó su libro Ciencia y política en América Latina (1971). Exiliado por la dictadura argentina, luego de una estancia en el Science Policy Research Institute (SPRU), en Inglaterra, se radicó en Brasil en 1979, donde fundó el Instituto de Geociencias y el Departamento de Política Científica y Tecnológica en la Universidad Estadual de Campinas (Unicamp), donde fue profesor por más de 15 años. Entre sus aportes fundamentales al pensamiento sobre ciencia, tecnología y sociedad en Latinoamérica, explicó los obstáculos al desarrollo no como producto de una falta de capacidad científica sino de demanda social local de I&D, condición estructural de la situación periférica. La superación de esta traba sólo sería posible mediante un proyecto nacional que generase una dinámica científico-tecnológica endógena, orientada por problemas relevantes para el país. Otro concepto fundamental, expuesto en Los determinantes sociales de la política científica en América Latina (1973), fue la distinción entre política implícita y política explícita de C&T, y la frecuente oposición entre ambas. Amílcar Herrera falleció en Campinas, Brasil, en 1995.

PT

### *Prêmio Amilcar Herrera à produção de autores “Seniores,” com mais de 40 anos de idade.*

Este prêmio é concedido em 2 categorias

- **Prêmio Amilcar Herrera na categoria de livros publicados.**
- **Prêmio Amilcar Herrera na categoria de artigos ou capítulos de livros.**

Amilcar Herrera foi um geólogo argentino nascido em 1920. No início dos anos 70 ele dirigiu o projeto Modelo Mundial Latino-Americano na Fundação Bariloche, que resultou em seu livro *Science and Politics in Latin America* (1971). Exilado pela ditadura argentina, após uma estadia no Instituto de Pesquisa em Política Científica (SPRU) na Inglaterra, ele se estabeleceu no Brasil em 1979, onde fundou o Instituto de Geociências e o Departamento de Política Científica e Tecnológica da Universidade Estadual de Campinas

## AWARDS

(Unicamp), onde foi professor por mais de 15 anos. Entre suas contribuições fundamentais para o pensamento sobre ciência, tecnologia e sociedade na América Latina, ele explicou os obstáculos ao desenvolvimento não como produto de uma falta de capacidade científica, mas da demanda social local por P&D, uma condição estrutural da situação periférica. A superação deste obstáculo só seria possível através de um projeto nacional que gerasse uma dinâmica científico-tecnológica endógena, orientada por problemas relevantes para o país. Outro conceito fundamental, estabelecido em Los determinantes sociales de la política científica en América Latina (1973), foi a distinção entre a política de C&T implícita e explícita, e a freqüente oposição entre as duas. Amilcar Herrera morreu em Campinas, Brasil, em 1995.

*EN*

### *Amilcar Herrera Award in the category published books 2020*

No winner.

*ES*

### *Premio Amílcar Herrera categoría de libros publicados 2020:*

Sin ganador.

*PT*

### *Prêmio Amilcar Herrera na categoria livros publicados 2020*

Nenhum vencedor.

# AWARDS

*EN*

*Amilcar Herrera Award for  
published books category 2022*



To be awarded at the award ceremony.

*ES*

*Premio Amílcar Herrera  
categoría libros publicados 2022*

Se otorgará en la ceremonia de premiación.

*PT*

*Prêmio Amilcar Herrera na categoria de livros  
publicados em 2022*

Para ser premiado na cerimônia de premiação.

## AWARDS

### *Amilcar Herrera Award in the category of articles or book chapters 2020: Héctor Vera*

**EN**

#### *Héctor Vera*

Article awarded: "Counting Measures. The Decimal Metric System, Metrological Census, and State Formation in Revolutionary Mexico 1895–1940," *Histoire & Mesure*, XXXII-1, 2017, p. 121-140.



Héctor Vera is a Researcher at the National Autonomous University of Mexico. Instituto de Investigaciones sobre la Universidad y la Educación. Mexico City, Mexico. He is a sociologist from the Universidad Iberoamericana and holds a Master's degree in Social and Political Studies from the NAM, Mexico, and a PhD in Sociology and Historical Studies from the New School for Social Research, New York.

The awarded text: <http://journals.openedition.org/histoiremesure/5780>.

### *Premio Amílcar Herrera categoría artículos o capítulos de libros 2020: Héctor Vera*

**ES**

#### *Hector Vera*

Mejor artículo publicado: "Counting Measures. The Decimal Metric System, Metrological Census, and State Formation in Revolutionary Mexico 1895–1940", *Histoire & Mesure*, XXXII-1, 2017, p. 121-140.

Héctor Vera es Investigador de la Universidad Nacional Autónoma de México. Instituto de Investigaciones sobre la Universidad y la Educación. Ciudad de México, México. Es sociólogo por la Universidad Iberoamericana y Magister en Estudios Sociales y políticos por la NAM, México, y Doctor en Sociología y Estudios históricos por la New School for Social Research, Nueva York.

El texto premiado: <http://journals.openedition.org/histoiremesure/5780>.

## AWARDS

*Prêmio Amilcar Herrera na  
categoria de artigos ou  
capítulos de livros 2020: Héctor Vera*

*PT*

### *Héctor Vera*

Mejor artículo publicado: "Counting Measures. The Decimal Metric System, Metrological Census, and State Formation in Revolutionary Mexico 1895–1940", *Histoire & Mesure*, XXXII-1, 2017, p. 121-140.

Héctor Vera es Investigador de la Universidad Nacional Autónoma de México. Instituto de Investigaciones sobre la Universidad y la Educación. Ciudad de México, México. Es sociólogo por la Universidad Iberoamericana y Magister en Estudios Sociales y políticos por la NAM, México, y Doctor en Sociología y Estudios históricos por la New School for Social Research, Nueva York.

El texto premiado: <http://journals.openedition.org/histoiremesure/5780>.

## AWARDS

*Amilcar Herrera Award in the  
category of articles or book chapters 2022*

*EN*



To be awarded at the award ceremony.

*ES*

*Premio Amílcar Herrera  
categoría artículos o capítulos de libros 2022*  
Se otorgará en la ceremonia de premiación.

*PT*

*Prêmio Amílcar Herrera na  
categoria de artigos ou capítulos de livros 2022*  
Para ser premiado na cerimônia de premiação.

## AWARDS

EN

### *"Marcel Roche Award" to the production of young authors under 40 years of age*

This prize will be awarded in 2 categories:

- Marcel Roche Prize category published books.
- Marcel Roche Award in the category of articles or book chapters.

Marcel Roche was a Venezuelan born in Caracas in 1920. In his important career he was founder and director of IVIC (Instituto Venezolano de Investigaciones Científicas) between 1959 and 1969, founding editor (1976-1985) of the journal Interciencia and Founding Head and Emeritus Researcher (1976-1990) of the Department of the Study of Science (IVIC), where he was responsible for cementing the studies of sociology and history of science in Venezuela. Author of several works in this field, among them his biography of Rafael Rangel: Ciencia y política a principios del siglo XX (1973). Before his retirement he was responsible for the compilation of the collective work Perfiles de la Ciencia en Venezuela (1996), being distinguished as the Best Popularization Book of that year. He died in Miami, USA, on May 3, 2003.

The awarded book is Liaudat, S. (2021). *Stevia: knowledge, intellectual property and capital accumulation*. Buenos Aires: Prometeo Libros. 338 p. ISBN 978-987-8451-10-7.

The digital version can be accessed here: <https://bit.ly/3to77Gz>.

### *Premio Marcel Roche" a la producción de autores jóvenes menores de 40 años*

ES

Este premio se otorga en 2 categorías:

- Premio Marcel Roche categoría libros publicados
- Premio Marcel Roche categoría artículos o capítulos de libros

## AWARDS

Marcel Roche fue un venezolano nacido en Caracas en 1920. En su importante trayectoria fue fundador y director del IVIC (Instituto Venezolano de Investigaciones Científicas) entre 1959 y 1969, editor fundador (1976-1985) de la revista Interciencia y Jefe Fundador e Investigador Emérito (1976-1990) del Departamento de Estudio de la Ciencia (IVIC), en donde fue responsable de cimentar los estudios de sociología e historia de la ciencia en Venezuela. Autor de varias obras en este campo, destacándose entre ellas su biografía de Rafael Rangel: Ciencia y política a principios del siglo XX (1973). Antes de su jubilación fue responsable de la compilación de la obra colectiva Perfiles de la Ciencia en Venezuela (1996), siendo distinguido como el Mejor Libro de Divulgación, de ese año. Falleció en Miami, EEUU, el 3 de mayo de 2003.

### *“Premio Marcel Roche” à produção de autores jovens com menos de 40 anos de idade*

*PT*

Este prêmio possui 2 categorias:

- Prêmio Marcel Roche categoria livros publicados
- Prêmio Marcel Roche categoria artigos ou capítulos de livros.

Marcel Roche foi um venezuelano nascido em Caracas no ano de 1920. Em sua importante trajetória foi fundador e diretor do IVIC (Instituto Venezolano de Pesquisas Científicas) entre 1959 e 1969, editor fundador (1976-1985) da revista Interciencia e Chefe Fundador e Pesquisador Emérito (1976-1990) do Departamento de Estudo da Ciência (IVIC), onde foi responsável por consolidar os estudos de sociologia e história da ciência na Venezuela. Autor de várias obras neste campo, destacando-se entre elas sua biografia de Rafael Rangel: Ciência e política no início do século XX (1973). Antes de sua aposentadoria foi responsável pela organização da obra coletiva Perfis da Ciência na Venezuela (1996), sendo premiado como o Melhor Livro de Divulgação daquele ano. Faleceu em Miami, EUA em 3 de maio de 2003.

## AWARDS

### *Marcel Roche Award in the category of published books 2020: Santiago Liaudat*

*EN*

Santiago Liaudat is Master in Science, Technology and Society (UNQ), Specialist in Latin American Studies (UFJF-ENFF, Brazil), Professor of Philosophy (UNLP). He is Full Professor of Introduction to Philosophy (FTS-UNLP).



He is a Researcher at the Laboratory of Studies in Culture and Society (LECyS-FTS-UNLP). He is a member of the Cátedra Libre Ciencia, Política y Sociedad (UNLP), the Red de Pensamiento Latinoamericano en Ciencia, Tecnología y Sociedad (Red PLACTS) and the journal Ciencia, Tecnología y Política (CTyP). He is pursuing a PhD in Social Sciences

(UBA). He is currently working on theoretical and methodological issues on the convergence between complexity sciences and social studies of science and technology.

The awarded book is Liaudat, S. (2021). Stevia: knowledge, intellectual property and capital accumulation. Buenos Aires: Prometeo Libros. 338 p. ISBN 978-987-8451-10-7.

*ES*

### *Premio Marcel Roche categoría libros publicados 2020: Santiago Liaudat*

Santiago Liaudat es Magister en Ciencia, Tecnología y Sociedad (UNQ), Especialista en Estudios Latinoamericanos (UFJF-ENFF, Brasil), Profesor de Filosofía (UNLP). Ejerce como Profesor Titular de Introducción a la Filosofía (FTS-UNLP). Es Investigador del Laboratorio de Estudios en Cultura y Sociedad (LECyS-FTS-UNLP). Integra la Cátedra Libre Ciencia, Política y Sociedad (UNLP), la Red de Pensamiento Latinoamericano en Ciencia,

## AWARDS

Tecnología y Sociedad (Red PLACTS) y la revista Ciencia, Tecnología y Política (CTyP). Está realizando el Doctorado en Ciencias Sociales (UBA). Actualmente, trabaja sobre cuestiones teóricas y metodológicas sobre la convergencia entre las ciencias de la complejidad y los estudios sociales de la ciencia y la tecnología.

El libro premiado es Liaudat, S. (2021). *Stevia: conocimiento, propiedad intelectual y acumulación de capital*. Buenos Aires: Prometeo Libros. 338 p. ISBN 978-987-8451-10-7

Se puede acceder a la versión digital aquí: <https://bit.ly/3to77Gz>.

PT

### *Prêmio Marcel Roche na categoria de livros publicados 2020: Santiago Liaudat*

Santiago Liaudat é Mestre em Ciência, Tecnologia e Sociedade (UNQ), Especialista em Estudos Latino-Americanos (UFJF-ENFF, Brasil), Professor de Filosofia (UNLP). Ele é professor de Introdução à Filosofia (FTS-UNLP). Ele é pesquisador do Laboratório de Estudos em Cultura e Sociedade (LECyS-FTS-UNLP). Ele é membro da Cátedra Libre Ciencia, Política y Sociedad (UNLP), da Red de Pensamiento Latinoamericano en Ciencia, Tecnología y Sociedad (Red PLACTS) e da revista Ciencia, Tecnología y Política (CTyP). É estudante de doutorado em Ciências Sociais (UBA). Atualmente ele está trabalhando em questões teóricas e metodológicas sobre a convergência entre ciências da complexidade e estudos sociais de ciência e tecnologia.

O livro premiado é Liaudat, S. (2021). *Stevia: conhecimento, propriedade intelectual e acumulação de capital*. Buenos Aires: Prometeo Libros. 338 p. ISBN 978-987-8451-10-7

A versão digital pode ser acessada aqui: <https://bit.ly/3to77Gz>.

## AWARDS

*EN*

*Marcel Roche Prize in the category  
of published books 2022:*



To be awarded at the award ceremony.

*ES*

*Premio Marcel Roche categoría libros publicados 2022:  
Se otorgará en la ceremonia de premiación.*

*PT*

*Prêmio Marcel Roche livros 2022.*

Para ser premiado na cerimônia de premiação.

## AWARDS

EN

### *Marcel Roche Award in the category of articles or book chapters 2020: Myrrena Inácio*



Marcel Roche Award 2021 to the production of young authors under 40 years of age to MYRRENA INÁCIO in the category of best published article "Nanotecnologias para doenças negligenciadas no Brasil: trajetórias de pesquisa, incentivos e perspectivas", Acta Scientiarum 41(1), 2019.

Myrrena Inácio is a professor at Universidade do Estado de Santa Catarina: Joinville, Santa Catarina, Brazil. Her doctoral training is at Universidade Federal do Paraná: Curitiba, PR, BR, where she also completed a Master's degree in Public Policy.

Her article can be found here: <https://bit.ly/3fXyTH4>.

ES

### *Premio Marcel Roche categoría artículos o capítulos de libros 2020: Myrrena Inácio*

El artículo premiado es "Nanotecnologias para doenças negligenciadas no Brasil: trajetórias de pesquisa, incentivos e perspectivas", Acta Scientiarum 41(1), 2019.

Myrrena Inácio es profesora en la Universidad del Estado de Santa Catarina: Joinville, Santa Catarina, Brasil. Su formación doctoral es en Universidad Federal del Paraná: Curitiba, PR, BR, donde realizó también una Maestría en Políticas Públicas.

Su artículo se puede encontrar aquí: <https://bit.ly/3fXyTH4>.

PT

### *Prêmio Marcel Roche na categoria de artigos ou capítulos de livros 2020: Myrrrena Inácio*

Artigo premiado: "Nanotecnologias para doenças negligenciadas no Brasil: trajetórias de pesquisa, incentivos e perspectivas", Acta Scientiarum 41(1), 2019.

## AWARDS

Myrenna Inácio é professora na Universidade do Estado de Santa Catarina: Joinville, Santa Catarina, Brasil. Sua formação de doutora é na Universidade Federal do Paraná: Curitiba, PR, BR, onde também concluiu um mestrado em Políticas Públicas.

Seu artigo pode ser encontrado aqui: <https://bit.ly/3fXyTH4>.

*EN*

*Marcel Roche Award category  
articles or book chapters 2022*



To be awarded at the award ceremony.

*ES*

*Premio Marcel Roche categoría artículos  
o capítulos de libros 2022*

Se otorgará en la ceremonia de premiación.

*PT*

*Prêmio Marcel Roche na categoria de artigos ou  
capítulos de livros 2022*

Para ser premiado na cerimônia de premiação.

# MAKING & DOING

## Making and Doing Spaces

Thursday, 2:00–18:30pm

**Central Exhibition I:** Gymnasium

**The Museum of Afrofuturities:** Building C: Aula Magna C201

**Projections I:** Building B: B205

**Performances I:** Building B: B206

**The Promises of Multispecies Justice I-A:** Building F: F008-F009

**The Promises of Multispecies Justice I-B:** Building G: G007-008

Friday, 11:00–14:00pm

**Central Exhibition II:** Gymnasium

**The Museum of Afrofuturities II:** Building C: Aula Magna C201

**Projections II:** Building B: B205

**Performances II:** Building B: B206

**The Promises of Multispecies Justice II-A:** Building F: F008-F009

**The Promises of Multispecies Justice II-B:** Building G: G007-008

## Making and Doing Contributions

ES (*no EN/PT*)

*Afectividad del coral: tejido performativo*

**Cristina Roxana Xaman Mc Gregor, Udlap Mexico**

**Valentina Alcalde Gómez, Profesora Cátedra ITESM / Universidad Anahuac**



Performance colectivo: Valentina Alcalde / Roxana Xamán Los conocimientos, la ciencia y tecnología como prácticas de poder hegemónico, han sido fuerzas primordiales, ejerciendo un dominio en la totalidad de la existencia (Guerrero Arias 2018). Así, los afectos han sido dominados a través de dualismos jerarquizados (W. D. Mignolo 2015; Escobar, 2007). Rolando Toro dice que la afectividad es una transmutación de valores aparentemente individual, pero que se da a través de sentir las conexiones con el otro, "lo que al otro le sucede, te está sucediendo a ti" (2010). Reconectar con el otro implica conectar también con uno mismo

## MAKING & DOING

(Fredrickson 2013), por ello los afectos requieren de interdependencia (Henepola Gunaratana 2017). Proponemos un tejido performativo. Judith Butler entiende la performatividad como una construcción discursiva corporeizada, que a fuerza de repetición, mantiene el sedimento de sus usos y genera el efecto de naturaleza o verdad. (1990; 1997). Ponemos en relación este pensamiento con la propuesta de Donna Haraway de devenir-con, de armar parentescos extraños para pensar y vivir en el mundo actual. (2019). El tejido será aquella forma que desde la metáfora del coral evidencie: 1) la reconfiguración de ensambles, 2) la sedimentación de estos nuevos modos y formas en relación con los afectos.

### *A Memorial to Earth*

**Sylvia Janicki, Georgia Institute of Technology**

How can living materials be integrated with digital technologies to reframe the body-environment dichotomy and elevate care for more-than-human communities? This project draws from scholarship in ecofeminism and feminist post-humanities to reframe people and the environment as co-constitutive and to foreground care for more-than-human communities. The memorial consists of living plants growing inside a plexiglass box. The box is



lined with a two-way mirror on the front, a regular mirror on the back, and LED strip lights along the sides. An ultrasonic sensor detects distance of a body

from the memorial, triggering LED lights to brighten when the body approaches, and dim when the body recedes. At a distance, the interactant sees only their own reflection. As they approach, LED lights brighten to create a co-constitutive view of the person becoming one with the plants. Upon reaching the front of the memorial, the interactant's reflection disappears, leaving only a view of the plants and soil within, illuminated under an infinity mirror effect. Participants are encouraged to open the lid to feel and water the plants. Though it may seem closed and bounded, the memorial is, in fact, an open system, necessitating porosity, exchange and care from the outside to thrive.

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### *AnArchive for the Anthropocene*

**Allie E.S. Wist, RPI**

As an ongoing artist-research practice, I create “anarchives” for the Anthropocene. These exist in an active mode of anti-accumulation and anti-preservation, offering a temporality that does not conform to commodification and spectacle. Traditional archives function as repositories of culture and knowledge—their very existence rests on prioritizing static, inert dead matter. They are “deeply linked to colonial power, control, hegemony, and conquest” (Derrida, 1996). Their emphasis on concretizing a specific past across timescales means that they reject the possibility of morphologies as entries. They struggle with ephemeral objects, subjective histories, and unfixed shapes, unfixed boundaries (Jack Burnham, 1968). The practice of ‘anarchiving’—anarchy archiving—is to create and engage with objects that reject the hegemony of traditional archives. They engage with the type of liminal figures depicted by Donna Haraway’s string figures in *Staying with the Trouble*. In my work, this especially includes objects engaging the chemical senses of taste and smell. Plants can wither, or are presented as perfumes; dinners are eaten, or food rots. The premise is to implicate our bodies in the archives, and break down the barriers between nature and culture through embodied, sensory multi-media experiences (the same barriers explicitly broken down by the premise of the Anthropocene).

### *Art Exhibit: The Promise of Multispecies Justice*

**Eben Kirksey, Deakin University**

**Sophie Marie Helene Chao, The University of Sydney**

**Francisco Vergara-Silva, Instituto de Biología, Universidad Nacional Autónoma de México**

**Julieta Aranda, e-flux**

**Liliana Riva Palacio, Proyecto Concentrante**

Words often fail when justice enters multispecies realms. This is why we seek artists and scientists, teachers and children, makers and doers of all kinds to collaborate with us in the work of sympathetic imagining across gulfs of species difference. Multispecies justice demands political and aesthetic innovations. Somehow it is easier to notice injustice (the lack of something), than recognize justice. Building on the archive of writing about ugly injustices and the supposed perfection of justice, Naisargi Dave asks:

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"Why is the ugly more palpable than the beautiful?" In exploring the aesthetic possibilities of multispecies justice we intend to exhibit the ugly alongside the beautiful, the grotesque alongside the surreal. Our exhibit will build on the long legacy of the environmental justice movement—we seek new proposals for distributive justice that are concerned with the equitable sharing of resources as well as renderings of new infrastructures that might protect vulnerable communities from toxic exposures. We will open up the idea of "the environment" with artworks oriented to other creatures who are recognized as dignity-bearing subjects and world-makers with their own relational aesthetic sensibilities.

*AR walk through The futures of Cholula*

**Freyja van den boom**

[unmannedfutures.com](http://unmannedfutures.com)

From my research on the legal and ethical aspects of AI, robotics and IoT I can confirm the urgent need to respond to the lack of diversity and to improve the impact of academic research by looking at how knowledge is created and shared. In response to the call to contribute to the further development of arts-based research by sharing experiences, I would like to take this opportunity to share for discussion one of my research projects on proposing possible 'unmanned futures' and how to regulate human-machine interactions where robots may cause harm. Through a performance, group exhibition and workshops I have been able to gain insights into human-AI interaction to help improve my insights and recommendations for policy and industry. Let's discuss possible futures for AI more nuanced and beneficial for understanding and share this through the creation of an AR Walk through Cholula for the community and public.

*BeLonging:*

*A Game about Patterns of Marginalization within Communities*

**Aditya Anupam, Georgia Institute Of Technology**

Marginalization is a systemic problem that often manifests in the subtle interactions of daily life, particularly in the group dynamics of a small community. Systemically ingrained tensions can produce overt, covert, or inadvertent patterns of group behavior that exclude certain individuals from

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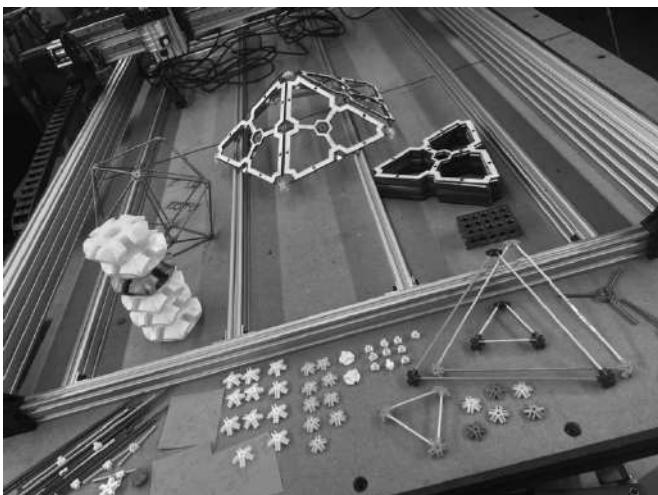
full participation, such as when an individual's ideas are not engaged with in a group conversation. Such patterns can subvert the target individual's contributions and pressure them to withdraw from the group or conform. The subtlety of these patterns can conceal the coercion behind withdrawal/conformation, making it seem voluntary. This allows the group to save face without being reflexive of their marginalizing behavior. It is therefore necessary to surface such dynamics and critically engage them. This project explores these dynamics through a digital game called BeBelonging where players face social exclusion from a group they were welcomed into. There is no definite goal. Instead, there are multiple endings depending on the actions of the player, such as their attempts to fit in or defy the group. By using abstract shapes and scenes that can be projected onto a variety of real-world scenarios, the game invites players to reflect on lived experiences of marginalization.

### *Bootstrapping DIY Materials Culture with Mycological Phantasms*

**Nic Lee**, Massachusetts Institute of Technology

**William J Lockett**, New York University

**Sabrina Chin-yun Shen**, Massachusetts Institute of Technology



understand Harrell's work as a call for scholars to think of media study as a phantasm generator that breaks down the user-programmer divide, prompting care for mental life through a robust idea of interdependent conscious, non-

Fox Harrell (2013) calls for the study of the formation in the mind of imaginative collections of cultural references that shape how people act on and through computational systems. He calls this mental nexus a phantasm. We

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conscious, nonhuman, and technological cognizers (Hayles 2017). Nic Lee, Sabrina Shen, and Will Lockett are currently undertaking a semester-long experiment, cultivating mycelium and doping printable bio-polymer substrates with it. We combine multiple bio-polymer materials and then design print geometries that allow the mycelium to grow inside the bio-polymer framework, thus facilitating mechanical testing of these hybrid materials that will stand up to scientific scrutiny. One outcome for the project is that it could provide alternatives to plastic filaments commonly used in 3D printers in maker space contexts. At 4S, a set of sketches adumbrate the kinds of mycelium colonized bio-polymer parts—mycelium bread boards; mycelium Raspberry Pie cases—that could help shift maker space phantasms away from print resolutions, etc., and toward life cycle analysis of DIY materials.

### *Caring Regions as a Trading Zone:*

*Shaping Regional Older Person Care*

*through Organizational Pilots, Policy Strategies and Social Science*

**Jitse Schuurmans, Erasmus University Rotterdam**

**Iris Wallenburg, Institute for Health Policy and Management**

**Roland Bal, Erasmus University Rotterdam**

Caring regions are geographies of health and social care ‘in the making’, seeking to find new ways to deliver healthcare in a regional setting. Regional collaboration and innovation should provide emplaced solutions to a fast-growing population of older persons living in non-urban areas against the backdrop of a similar fast decrease of healthcare personnel in those areas. We build on four years of interventionist research in the Netherlands, engaging with organizations, quality platforms, policy makers, healthcare professionals and (future)clients to find feasible solutions to emerging problems as well as opportunities to rethink and ‘redo’ care. As interventionist-researchers, we travelled with regional actors through their landscapes exploring regional care provision and co-organized national (virtual) market squares including folk music to share and stage best practices. In this Making&Doing contribution, we share our audio, visual and sensed experiences of understanding and enacting regional cultures and ways of caring, as well as connecting the different worlds of policy, organizations, and science in doing – and trading – healthcare reform. We use the notion of the Trading Zone to point out how

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these worlds became connected (or not) and how we as researchers have become implicated in the aim of making regions a place of care.

### *Citizen-Led Science: Participatory STS, Forensics and Data Justice*

**Ernesto Schwartz Marin**, Exeter University

**Arely Cruz Santiago**, Exeter University

For most of our lives we are the unchallenged custodians of the DNA contained in the trillion of cells that constitute our body. However, once we die, or once our DNA gets enrolled by scientists and biomedical experts, it becomes a strange and alien substance to us and our families: you just need to ask indigenous communities trying to recover the bodies of their ancestors or their DNA. Thus, expertise not only constitutes a form of knowledge that sets itself in opposition to 'lay knowledge', but it is also a demarcation strategy to keep outsiders at bay and appropriate the substances (e.g., DNA) needed to assert scientific authority: the very matter that makes up truth claims. Our first participatory STS project: 'Citizen-Led Forensics' turned this division of labour and property on its head. Our subsequent projects dealing with Kidnapping and Data Justice in Mexico, took the lessons learned while working with the mothers of the disappeared in Mexico to build this atypical DNA database into new directions. Our digital installation will narrate our theoretical and methodological journey in the last decade— and some of the bitter-sweet lessons we have learnt along the way. Through co-produced videos, comic books, videogames and apps we will explore the intersections between ethnography, participatory action research, and STS. Our presentation should interest those who want to explore the ethico-political dimensions that emerge when engaged STS deals with explosive matters such as the 'War on Drugs' in Mexico, and the hundreds of thousands of victims it has produced.

### *Content Moderation by Design*

#### *(CMbD) Card Game Extension Pack Creation*

**Anna Lenhart**, University Of Maryland College Park

**Sarah Gilbert**, Cornell

**Katie Shilton**, University of Maryland, College Park

<https://evidlab.umd.edu/content-moderation-by-design-the-game/>

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The Content Moderation by Design (CMbD) Game is a “serious game” designed to build understanding of the complex debates surrounding online content moderation, and empathy for the participants in online content moderation. By playing the role of both a startup social media platform policy team and a content moderator, participants begin to experience some of the challenges associated with moderating user generated online content in a way that balances values such as free expression and community safety. There are three rounds to the game: first players work as a team to develop the policy that will help shape the kind of platform they want to grow. Then players switch roles to a content moderator, where they'll use the policies to make decisions, based on cards that provide real life examples (content cards). Finally, players see how decisions play out, calculating final scores based on real life examples of moderation decisions, and how those decisions affect two areas: free expression and community safety (event cards). Players are also asked to add nuance to existing social media policies by creating an “extension pack.” As designed, the pilot game is premised on US policy, and all of the examples are drawn from the US context. This making and doing session would allow participants from around the globe to create an “extension pack” with examples of content and event cards inspired by their culture, background and expertise. As content moderation is a global challenge, extending the game through a participatory making and doing session will inspire new conversations about global policy and values differences and intersections.

*Corp(O)ralidade, dança afro e psicologia: Tecnologia social decolonial para a população afro-brasileira*

**Hebert Silva dos Santos, Universidade do Estado do Rio de Janeiro**

**Loíse Lorena do Nascimento Santos,**

*Universidade do Estado do Rio de Janeiro*

**alexandra cleopatre tsallis, Universidade do Estado do Rio de Janeiro**

Este trabalho acompanha como a dança afro e sua oralidade criam a ressignificação da negritude, sendo uma via potente de conhecimento e empoderamento da população negra na busca de conhecimentos histórico, cultural e ancestral sobre si. Três conceitos de Santos (2019-2021) fundamentam nossa proposição: Remembrar, Rememorar e Corp(O)ralidade. Remembrar está ligado ao corpo, dançar como um potente local de

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reintegração de corpos desmembrados. Remembrar a negritude enquanto grupo é ir adiante com a filosofia Ubuntu com a proposição do “eu sou porque nós somos”, pensar na criação de Tecnologias Sociais decoloniais que comportem a existência afro-diaspórica. O Rememorar aponta para nossa ancestralidade, nos fazendo percorrer nossas histórias de vida na busca de nos conectar ao passado para ressignificar o presente. A Corp(O)ralidade surge enquanto diálogo do corpo e da prática da oralidade, enquanto via de construção de corpos possíveis dentro do cenário da pandemia e da dança remota. Neste trabalho abordamos lutos, perdas e atravessamentos gerados pela Covid-19 na pesquisa, e visamos abrir caminhos para dialogar e refletir junto com a negritude. Acompanhamos como a Corp(O)ralidade pode ser absorvida como instrumento científico e tecnológico na proposta de uma clínica afrocentrada para a população negra.

*Creating Virtual Crowds in Text and VR—Exploring Social Constraints and Affordances (for Coders and the Rest of Us)*

**Dennis Jerz, Seton Hill University**

From the earliest NPCs of the MUDs and MOOs of the pre-WWW Internet, creating virtual agents to populate digital environments has been an important part of digital world-building. This Making & Doing session will explore the unique conventions, embedded assumptions, and creative possibilities built into two very powerful content creation tools: the text-adventure toolkit Inform 7, and the 3D/VR Unity Game Engine. Digital culture has been social long before Facebook rebranded itself as "Meta" and announced its plans for its 3D VR "Metaverse" (borrowing the name from the escapist digital corporate experience in Stephenson's dystopian 1992 novel Snow Crash). I'll reference recent developments in the development of Facebook spinoff Metaverse, in the context of Lewis Mumford's conception of the city in human history, and explore the constraints and affordances of our shared global experiments in relying on virtual communities during a time of pandemic-related physical isolation. My intent is to create a general introduction that illustrates the constraints and affordances associated with using two tools with the same general function (a well-documented software development environment designed for the creation and sharing of virtual experiences), but employing two very different procedural modalities (textual and spatial).

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### *Dance Your Diasporic DNA/Baila Tu ADN Diaspórico*

**Lissette Lorenz, Cornell University**

Maps chart more than static bodies of land in space. They can also chart the movement of bodies out of and into other spaces. / Los mapas trazan más que cuerpos de tierra estáticos en el espacio. También pueden trazar el movimiento de los cuerpos desde y hacia otros espacios. / This movement makes maps much more unstable than they might initially appear. / Este movimiento hace que los mapas sean mucho más inestables de lo que podrían parecer inicialmente. / In this interactive performance piece, participants will engage with two kinds of maps: the human genome and dance routines for the video game Beat Saber. / En esta presentación interactiva, los participantes interactúan con dos tipos de mapas: el genoma humano y las rutinas de baile del juego de video Beat Saber. Al hacerlo, exploraremos los pasos de movimiento genéticos-ancestrales e historias coloniales a través de varios estilos de danza diásporicos. / In doing so, we will explore genetic-ancestral movement patterns and colonial histories through various diasporic dance styles.

### *Do Graphics Processing Units Have Politics?*

*A Performance-based Inquiry*

**Ben Gansky, Arizona State University**

**Shawn Lawson, Arizona State University**

**Colleen Pulawski, Free Machine**

This project explores political currents of sociotechnical modernity by, as it were, peering through the keyhole of a particular artifact: the graphics processing unit (GPU). By following this object-actor, particularly in its coproductive entanglements with the spheres of machine learning, cryptocurrency, and 3D realtime graphics, we evoke its historical, cultural, infrastructural, epistemic, political economic, ecological, and geopolitical positionality and productivity (cf. Parikka 2012, Dhaliwal 2021, Gaboury 2021, Starosielski 2016, Columbia 2016, Velkova 2021, Kane 2014, Crawford 2021). These peregrinations are enacted through a live performance, in tandem with realtime manipulation of GAN-mediated and -generated images. The medium of performance foregrounds the affective dimensions of this form of inquiry, most vividly associated with the work of Langdon Winner (e.g. Winner 1977,

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Winner 1980). This performance is a negotiation of responsibility-taking for engagement with sociotechnical modernity in the face of its overwhelming normative complexity. Together with its substantive focus on GPUs, the project contemplates the affective experience of the researcher and their motivations in undertaking such an investigation. The goal, ultimately, is to rehearse reconfigurations of relations towards states of 'non-innocence' (e.g. Haraway 1988, de la Bellacasa 2012).

### *Encountering the Border Laboratory: A BorderTech Digital*

*Ethnography in/ with/ for the Mexican Borderlands*

**Danielle Kabella**, ASU School of the Future of Innovation in Society

**María Torres Martínez**, Arizona State University

**Octavio Mucino-Hernandez**, SFIS—Arizona State University

**Lindsay Adams Smith**, Arizona State University



This exhibition consists of a digital, multi-sensory experience in/with/for the Mexican Borderlands based on The BorderTech Digital Database (BTDD, also base de datos digital de las tecnologías del borde, in Spanish). Our virtual "field", which forms the basis for the exhibit, is a shared digital database composed of actors, technologies, institutions, images, literatures, sounds, and videos

collected virtually during the COVID-19 pandemic to interrogate spaces of technological experimentation for and by migrants in the region. In-person ethnography was out of reach for us and many during a global pandemic, particularly central american migrants subject to exclusion and encampment because of Title 42 rule of expulsion which used public health law and COVID

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as an illegal maneuver to close the US-Mexico border to asylum seekers (Human Rights Watch 2021). Alongside the multisensory encounter, we invite participants to interact with the BTDD and Digital Field Journal as a structured supplement. The modes of encounter this exhibit generates offer ways of enlivening, encountering and making sense of the digital data. In the form of multiple, overlapping sensory streams, we replicate both the digital and patchwork realities of research with communities under COVID-19, allowing for new reflections and reflexivities on migrant borderlands technologies and knowledge production in the midst of lockdown. By bringing together the hyper-structured database and interpretive field journal with the multi-sensory border laboratory encounter, we invite participants to engage with borderlands technologies in ways open to appropriation, hacking, and reinterpretation and open up new modes to live/narrate alternative material and symbolic worlds.

### *Engaging Design and STS in Narrative Frameworks: A Storytelling Workshop*

**Li Zheng, Georgia Institute of Technology**

The area of engineering and design is heavily problem oriented, and the linear model of technological development ("technological fix") undermines the cultural and social factors of innovation, and ignores various social consequences, many of them unintended, in the process of invention and implementation of new technologies. The current models of responsible design/innovation need diversification of toolkits, approaches, and exploratory elements to effectively deliver their outcomes. The Technology Storytelling Workshop is designed and operated to harness the power of storytelling to help design major students to capture the multi-fold, complex and entangled relationship between technological innovation and its social impact. The storytelling framework comprises of various stakeholders, practices/experiences, and connections, which can help target groups draw out the pathways of impact as outlines of story, highlight the rich context, and break down the complexities into tangible, digestible pieces. By using the framework, one can bring in different perspectives of technology, innovation and design to better capture and leverage certain technological impact.

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*Entering into resonance: vibrations around a common world from encounters between the 9th art and science*

**Pierre Delvenne**, Université de Liège (SPIRAL)

**Lucas Bechoux**, Université de Liège (SPIRAL)

**Valérie Beniest**, Dargaux

**Léonard Chemineau**, Comic author

**Wim Decock**, University of Liège

**Sarah Delvaux**, University of Liège

**Catherine Fallon**, Liege University

**Jean-Baptiste Fanouillère**, University of Liege

**Colin Glesner**, Université de Liège

**Luce Lebrun**, University of Liège

**Emmanuel Lepage**, Comic author

**Wilfried Lupano**, Comic author

**Valentine Meens**, University of Liège

**Céline Parotte**, Université de Liège (SPIRAL)

**Nicolas Thirion**, University of Liège

**François Thoreau**, Université de Liège (SPIRAL)

**Helene Dodion**, University of Liege

What if comics allowed us to understand scientific knowledge (production) differently? Some comics, beyond their aesthetic and playful aspects, raise numerous political, ethical and societal questions that directly resonate with social science work. As part of this 'making and doing activity', our goal is to address sociotechnical issues, with the help of comic book writers and other artists, and to collectively rebuild spaces for collective reflection on, and engagement in, open-ended technological futures. Themes covered so far include inhabiting the site of a nuclear accident, the ideal of progress and the relationship between knowledge and power through history, or the privatization of seeds on a global scale. By putting comics at the heart of the imaginative and critical resources of scientific research, we want to relate fiction and science, co-produce collective knowledge, and critically question the role of the scriptwriter and the researcher in the investigations and fieldwork they conduct. The exchanges of each session are transformed into participative artistic performances: caricature sketched in live, illustrated exquisite corpses, manufacture of seed bombs, photographs. At the end of

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the cycle (ongoing until 2022), the recorded traces of these events, scientific and artistic, will constitute an exhibition that can be disseminated widely.

### *Fit But You Know It: Workshopping Methods for Decolonising Fashion Practice*

**Olivia Hegarty, University of the Arts, London**

**Cian O'Donovan, University College London**

**Luke Stevens, University of the Arts, London**

[fitforpractice.myblog.arts.ac.uk](http://fitforpractice.myblog.arts.ac.uk)

In this hands-on workshop we'll address the challenge of decolonising art school education by exploring a core concept in industrially-produced clothing: fit. The standardisation and simplification of fit is critical to fashion's ability to sell, ship and scale products globally. Enlightenment values of universalism underpinning global trade also see to the erasure of our tacit understanding of how to fit fabric to our own bodies. Industrially-produced clothing has fit 'built-in' using pattern-cutting techniques of darts and seam shaping. By contrast, pre-industrial or contemporary examples of non-western garments, such as West African wrapper dresses, rely on fitting techniques deployed by wearers' hands when wrapping, knotting, or rolling. Art schools and universities are ideal settings to challenge deeply embedded industrial-colonial practices and shift epistemic power relations. Here, we aim to reconfigure understandings of fit to allow for pluriversal design approaches by future fashion practitioners. In this session participants will experiment with everyday materials, and their hands and bodies. In foregrounding experimental methods, we allow for diverse perspectives including the valuable contributions that designers, makers and creative thinkers can make to any academic discourse concerned with progressive social change. The workshop is open to all, prior fashion or design knowledge is not required.

### *Found STS: Doing STS through performance*

**Sophia Efstathiou, Norwegian University of Science & Technology (NTNU),**

[ideobics.com/shake-exercises](http://ideobics.com/shake-exercises)

What is the method of STS? Can applied theater and art inspire how we do STS? This session investigates these questions by engaging session participants in performance-based activities designed as STS think-modes.

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The situations, dubbed the Science Humanities and Arts Knowledge Exercises (SHAKE) mix the format of games, using elements like rules and time-constraints, with the open-endedness of performance, proposing that play and performance are important modes of philosophical research, teaching and productivity. The SHAKE gameformances offered here explore problems: 1. mind/body dualism, 2. nominalism and realism about kinds, 3. the idea of value-based design and of technological scripts, 4. Privacy, 5. Responsibility as a response-ability. 1. Ideobics: is an exercise routine that mixes concepts and movements in a set of ten mind-body exercises. (20 min) 2. Facing identity: invites audience members to pick a token of a particular kind and to develop an intimate relationship with it. (20 min) 3. Virtuous (and Vicious!) Designs: participants re-design things following new, invented verbs e.g., "fairorise" a virus: make a virus facilitate fairness (30 min) 4. Sharing Secrets: invites participants to share personal private information in different modes (30 min) 5. Response-able Walk: investigates responsibility as an ability to respond to others and to structure. (20 min)

*Funk technology—Let's do our thing*

**Juan Ocampo, Lund University**

[juanocampo.net/funkentelechy.html](http://juanocampo.net/funkentelechy.html)

Emerging from an ethnographic study of grassroots financial innovations in Kenya, this mixed media exploration responds to the question of "How can one recognize and be respectful with differences in the study of technology?". Doing research with western scientific frameworks, but being from the global south, it was important to reflect on ways researchers could consciously and respectfully study and make use of the experiences, traditions, and knowledge of communities. The recognition of the vernacular as source of technological production is something that scholars of science, technology and society studies have dealt with, especially those interested in African American studies. This representation builds on Funk as a signification of human expression, which "should be understood as an alternative form of rationality" (Bolden, 2013, p.3). This audiovisual experience invites the recognition of emotions and sensuality in the production of knowledge and cannot be rationalized using the western rationalist conception of technology. One needs to pursue a connection with cognitive and physical realms through mechanisms beyond simple reason or logic, one needs to free the mind and

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let kinetically oriented cognitive mechanisms flow, in other words, let the body and spirit move and remove.

*Global Classroom, Critical Pedagogy and Decolonial STS Praxis*

**Sean Ferguson**

**Sharon Tsai-hsuan Ku**, University of Virginia

**Kim Fortun**, University of California Irvine

**Liao Miao**, Changsha University of Science and Technology

**Xianghong Wu**, Material Science and Engineering Department, Shandong University, China

**Dana E Powell**, Appalachian State University

**Rebecca Witter**, Sustainable Development Department, Appalachian State University

[stsinfrastructures.org](http://stsinfrastructures.org)

This session invites critical reflection and collaborative opportunities for STS teaching across geographic and disciplinary boundaries. We share experiments in Global Classrooms (GCs) emerging from concern over global



crises in pandemic teaching conditions. We invite participants teaching or showing interest in critical global classroom pedagogy-developed through transformative, co-production of theory and

methods bringing students, faculty, and interlocutors together across diverse sites of interests and obligations. In advance of the conference, outreach with groups overlapping GC practices, relations, and interest will help build a digital archive showcasing our approaches. Table visitors can look through the collected artifacts, comment on and take away teaching materials, converse on the conceptual underpinnings of GCs, and upload their own work. Session organizers will host short learning activities from our exploration of the intertwined crises of education, environment, and epistemic injustice. Visitors can take part in, gaining practical, hands-on sense of different pedagogical

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approaches. Our panel commitments to destabilizing traditional classroom models, drawing from critical pedagogy, STS scholarship, anthropology, sustainable development, and engineering ethics. Each creates trans-national, culturally diverse, multi-scalar real-time, real-world learning experiences connecting the Global North and South. We hope the experience and archive support ongoing work on these issues within the STS community.

### *Grupo de atendimento COM-POR pessoas negras: uma tecnologia social antirracista*

**Loíse Lorena do Nascimento Santos**, Universidade do Estado do Rio de Janeiro

**Sonalle Cristina de Azevedo da Fonseca**

**Hebert Silva dos Santos**, Universidade do Estado do Rio de Janeiro

**alexandra cleopatre tsallis**, Universidade do Estado do Rio de Janeiro

Esta pesquisa acompanha os efeitos produzidos nos encontros do dispositivo terapêutico COM-POR pessoas negras, como prática de cuidado e produção de vida entre pessoas negras como ação afrofuturista. Afrofuturismo, de acordo com Dery (1994), é a expressão artística de ficção científica com protagonismo negro. Em 2002, como resultado de muita luta dos movimentos negros denunciando o racismo em diversas áreas do conhecimento, a Psicologia Brasileira, enquanto ciência e profissão, estabelece a resolução nº018/2002 com normas para atuação das psicólogas(os) a respeito do preconceito e da discriminação racial. Entretanto, quando comparamos a data destas resoluções e publicações com o estudo feito por Gouveia e Zanello (2019), percebemos que existe muito ainda a ser feito nesta área a fim de que políticas de cuidado em saúde mental da população negra possam ser ferramentas para nos fazer viver. Deste modo, tomamos o COM-POR como tecnologia social que promove transformações das histórias únicas contadas sobre Psicologia e relações raciais. Encontramos, assim, outras possibilidades em que a Psicologia deixa de corroborar com o sofrimento para tornar-se ferramenta tecnológica produtora de amanhãs para pessoas negras, contribuindo também com a formação de estudantes de psicologia ética, social e politicamente engajados com a luta antirracista.

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### *Hacer Tierra*

**Maru Garcia**

[studio@marugfierro.com](mailto:studio@marugfierro.com)



Hacer Tierra, a term in Spanish that means grounding, is an art piece that reflects on the importance of Soil in our lives and the ecosystems we inhabit. Soil is more than matter; it is mater (mother), not isolated but in relation. Soil is alive. Soil has

memory. Unfortunately, the current Soil degradation rates are alarming and demand an immediate response. Hacer Tierra is a method that can be understood as a ritual and a protocol that consists of four steps that can lead to a personal encounter with Soil and contribute to Soil regeneration. The steps include: 1. Recordar/ remember (traer al corazón/ bring to the heart): write a personal Soil story from childhood. 2. Conectar/ grounding: create a community healing sculpture made of clay and remediating agents (soil amendments, seeds of remediating plants, mycorrhizae fungi inoculum), and the story written from the previous phase. 3. Liberar/ release: the healing sculpture will be placed in a space where Soil healing is needed in the local area of Cholula (participants can take a piece of the sculpture to their own locations). 4. Actuar/ act: find concrete ways to contribute to Soil regeneration in our own environments and become regeneration agents.

### *Hacking the WITCH:*

*Predictive Climate Modeling for the Social Sciences*

**Samara Hayley Steele, University of California at Davis**

As eco-social relations are increasingly mediated by predictive climate models, how might we better engage and critique them as part of our research? How might we likewise better bring them into the classroom? There are six models of Earth that have been approved by the C-MIP, and each of

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these models play a role in generating the predictive climate data used by the IPCC and world leaders to make decisions that affect us all. In this session, we're going to be spending some time with perhaps the most user-friendly of those six models: the WITCH. Created by the European Institute on Economics and the Environment (EIEE), the WITCH is framed as a "global dynamic model integrating the interactions between the economy, the technological options, and climate change." In this session, we are going to use MAGICC, an online user interface created by the EIEE, to coax the WITCH into running some simulations, while also exploring what it would take to write our own simulations or even hack the model itself. We'll also discuss social assemblages that underpin the model, as well as avenues for involvement for social scientists in the creation of future models and other predictive technologies.

### *How to Wake Up the Ghosts*

**Erik Peters**

[erikpeters.work/How-to-Wake-Up-the-Ghosts](http://erikpeters.work/How-to-Wake-Up-the-Ghosts)

'How to Wake Up the Ghosts' is an immersive film installation that explores the thresholds of artificial nature and interconnectivity. Based on a 1756 publication in which whale hunters found a piece of coral near the Arctic, the piece presents a speculative future with remnants of human efforts to counter the global ecological crisis. The work reveals a truth that is made up of reconstructed pieces of coral and reflects on the blurred lines between 'reality', 'nature' and 'technology' from a more-than-human perspective. The voice of the coral takes you on a journey of reflection. As a plural entity, its being carries opposing perspectives on what it means to be alive in a neo-ecological world. The script is co-written by GPT-2 models trained on texts by a.o. Donna J. Haraway, Bruno Latour, Timothy Morton, Jean Baudrillard and Anna Lowenhaupt Tsing. The artifical coral imagery is created using a CLIP+VQGAN method in order to let the machine dream up the landscape, while its physical being is 3D-printed using PLA mixed with wood fibers.

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*Imagining Alternative Academic Futures Through a Mapping Game /  
Imaginando Futuros Académicos Alternativos a Tráves de un Juego de Mapeo*

**Heather Rosenfeld, Smith College**

**Denia Djokić, University of Michigan - Ann Arbor**

**Claudia Schwarz-Plasch**

**EN**

We will be playing better futures for academia/STS into reality. We will host a storytelling game to enact alternative ways of living together in academia. The

game is a custom variation on Avery Alder's The Deep Forest, which is a "map game of post-colonial weird fantasy ... [centering] upon monstrosity and decolonization." Players create a map to rebuild a world that has collapsed and has been abandoned by invading humans. This world enhances the imagination because thoughts and emotions are no longer restrained by specific situations and structures. Participants collectively tell a story, create monsters, identify



artifacts/technologies, and determine whether to embrace or avoid them. Our customization uses academic themes and settings (e.g., a library, an ivory tower). Through tailored questions, we will playfully explore themes such as:  
\*Monstrosity in STS \*Rebuilding academia given its toxic legacies (e.g. precarity, racism, heteronormative sexism, ableism, abuse of power)  
\*Reappropriating problematic technologies \*Decolonial possibilities and new

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forms of heroism The game will be played in groups of four to six people; facilitated in English or Spanish.

ES

Jugaremos a imaginarnos y realizar un mejor futuro para la academia/CTS. Presentaremos un juego de cuentos para establecer formas alternativas para la convivencia en la academia. El juego es una variación de The Deep Forest, diseñado por Avery Alder, el cual es un “mapa de juego de una rara fantasía post-colonial... [centrada] sobre monstruosidad y decolonización”. Los jugadores crean un mapa para reconstruir un mundo que ha colapsado y ha sido abandonado por los humanos invasivos. Este mundo refuerza la imaginación porque las emociones y los pensamientos ya no están restringidos por situaciones y estructuras específicas. Los participantes de forma colectiva cuentan un cuento/trama/relato, crean monstruos, identifican artefactos/tecnologías y determinan si acoger o evadirlos. Nuestra adaptación utiliza temáticas y ubicaciones académicas (ej. una biblioteca, una torre de marfil). A través de preguntas adaptadas para el contexto, exploramos temas como: \*La monstruosidad en CTS \*La reconstrucción de la academia debido a su toxicidad (ej. precariedad, racismo, sexismo, heteronormatividad, abuso de poder) \*Reapropiación de tecnologías problemáticas \*Posibilidades decoloniales y nuevas formas de heroísmo Se jugará en grupos de entre cuatro y seis personas facilitados en inglés y español.

*Laboratório afeTAR e Rede Cidadã: tecnologias sociais em regeneração*

**Jackeline Sibelle Freires Aires, UERJ**

**Fernanda Sansão Hallack, Universidade do Estado do Rio de Janeiro**

**dandara chiara ribeiro trebisacce, Universidade do Estado do Rio de Janeiro**

**Maria Tatiana Pessoa Costa de Carvalho, Rede Cidadã**

**Fernando Almeida Alves, Rede Cidadã**

**alexandra cleopatre tsallis, Universidade do Estado do Rio de Janeiro**

PT

O presente trabalho é fruto da parceria de pesquisa do Laboratório afeTAR, uma Unidade de Desenvolvimento Tecnológico (UDT) da Universidade do Estado do Rio de Janeiro, no Brasil, com a Rede Cidadã, uma Organização da Sociedade Civil (OSC) que vem desenvolvendo projetos de inclusão social de jovens, seniores, pessoas com deficiência, população LGBTQIA+, dentre

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outros grupos, na vida comunitária e no mercado de trabalho. Com o objetivo geral de acompanhar os efeitos produzidos pela Rede Cidadã no que se refere às suas ações de integração social, a partir da aplicação de uma metodologia inovadora de desenvolvimento pessoal e coletivo, este trabalho se deu a partir da inclusão de pesquisadoras no campo e posterior escrita de diários. Tendo como referencial teórico-metodológico do estudo a Teoria Ator-Rede (TAR), conforme proposta por Bruno Latour, realizamos uma etnografia onde o laboratório é o texto construído no registro descritivo da cultura do campo de pesquisa. Desenvolvemos, como resultados, tecnologias que promovem a regeneração social, e para isso, articulamos a produção de conhecimento de forma indissociável das práticas de inclusão em ação.

### *Liberatory Technology And Digital Marronage*

**Kenia Hale, Ida B. Wells Just Data Lab**

**Payton Croskey, Co-Lead**

[flipsnack.com/EBC8CD77C6F/liberatory-technology-zine.html](https://flipsnack.com/EBC8CD77C6F/liberatory-technology-zine.html)

This workshop will center on a project we created through Dr. Ruha Benjamin's Ida B. Wells Just Data Lab titled "Liberatory Technology and Digital Marronage." Throughout that project, we selected and evaluated different types of technology and collected liberatory forms of that tool in a GitHub repository. Based on our analysis throughout the semester, this Github functions as a liberatory technology toolbox for organizers and activists. Recognizing that existing digital interventions aren't always successful, we explored how to design technology centered on liberation and digital marronage while honoring community knowledge. We asked: how do individuals protect themselves from the state while also being able to dance in the sun? Our research culminated in our GitHub repository, a liberatory technology proposed by RAs, and a zine to illustrate our research findings, which we'll present to participants. Our zine concluded with our Liberatory Technology Principles: Broadening Our Definitions of Technology Recognizing Technology is Never Neutral Expanding Our Imaginations Centering Community Knowledge Systemic Problems Require Systemic Change In this workshop, we will lead hands-on radical technology imagining sessions, encouraging participants to play and design with our liberatory technology principles in mind.

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### *Making and Doing Multispecies STS*

**Alberto E Morales, Princeton University**

Our exhibit table showcases student-produced artifacts exploring the politics of health, environment, and multispecies relations in scientific/biomedical



interventions. Through semester-long, guided design projects, students' projects examine diseases, pandemics, and other global health concerns through the lens of multispecies entanglements and Science and Technology Studies. Students analyze the ongoing effects of ecological and environmental changes and the practices of world-making that drive new imaginings and becomings of life and the life sciences. Student projects and artifacts fall under one or more of the following four interdisciplinary threads: 1) global health policy; 2) multispecies relations and justice; 3) epistemology and the study of scientific knowledge

production; 4) world-building and emerging planetary imaginings through science and technology. Student design projects and artifacts may include teaching kits for K-12 education or infographics for wide at-large dissemination; digital and visual art pieces on a social media page or in a virtual reality (VR) or augmented reality (AR) gallery; a digital Zine or magazine; or lesson plan to communicate findings from their projects. This "Making and Doing" exhibit table will encourage its audience members to co-think, collaborate on, and share practices of participation, pedagogy, engagement, playful inquiry, and intervention in the dissemination of scientific knowledge to broader publics.

## MAKING & DOING

*Medical Archive: Translating the Social History of Psychiatry, Archival Ethics, and Visual History in the Post-Soviet Classroom*

**Pavel Vasilyev**, HSE University St. Petersburg

**Vladislav Yakovenko**, HSE University

**Mikhail Pogorelov**, Museum of the History of Giliarovskii Preobrazhenskaia

Psychiatric Hospital

This session presents the results of a student project “Medical Archive” that has been carried out at HSE University since 2020. The project sought to familiarize the students with the social history of medicine, archival work, and visual studies by engaging with the relatively unexplored archive of a psychiatric hospital in Moscow. Medical Archive was organized as part of the project-based learning adopted by HSE University which strives to become the world’s first ‘project university’ by 2030. It was jointly proposed by a group of researchers from HSE University as well as Giliarovskii Preobrazhenskaia Psychiatric Hospital. The students were recruited at the so-called Project Fair platform ([pf.hse.ru](http://pf.hse.ru)). In total, 10 BA and MA students representing different disciplines in the social sciences and humanities participated. Over the past two academic years, the students described, annotated, and digitized the archive of the psychiatric hospital, with a special emphasis on the collection of historical photographs. The project also resulted in a publication in an academic journal and plans for a new exhibition at the hospital’s museum. The session will highlight both the opportunities and challenges of translating the social history of psychiatry, archival ethics, and visual history in the post-Soviet educational setting.

# MAKING & DOING

## *Meshworking:*

*A feminist-decolonial workshop in visualizing distributed-togetherness and contemporary entrepreneurial knowledge-production*

**Nadine Tanio**, University of California, Irvine

**Jade Vu Henry**, University College London (UCL)

**Lisa Lehner**, Cornell University

**Christine Maria Kaiser**, School of Creative Media - City University Hong Kong

**Kay Mei Ling Beadman**

**Michael Leung**, School of Creative Media

**Helen Beetham**, University of Wolverhampton

**Megan Olinger**, City University of Hong Kong

**Riar Rizaldi**, City University of Hong Kong

**CHEN HUANG**, City University of Hong Kong

**Anton Dragan Maslic**, City University of Hong Kong

In Questing Excellence, Sørensen and Traweek (2022) introduce “meshworking”—the creation of lateral, woven, and intersectional webs of relationships—to characterize how scientific knowledge is constructed, replicated, and distributed across entrepreneurial academia in ways that may refuse dominant hierarchical models. In this session, we use meshworking as a formation and practice to make visible and create networks of collaboration, knowledge-production, and solidarity that resist dominant organizing principles. We engage participants across three meshwork formations: theoretical, experimental, and operational. In theoretical meshwork, we discuss an interlaced theory-structure linking scientific imaginaries, STS-research (Murillo et al, 2012), decolonial social-movement practices (Escobar, 2008), and the craftwork of Ruth Asawa (Schenkenberg, 2019) to reveal the diversity, fluidity, and potential adaptations (Magaña, 2010) of meshwork formations. In experimental meshwork, we share our existing meshworking practices—an exquisite collaborative memorial archive (<https://aaa.org.hk/en/collections/search/library/an-exquisite-corpse-experiments-in-practicing-better-relations-as-scholars-during-uncertain-times>, 2021). Finally, we will operationalize meshwork formations through participatory design and distributing “cultural probes” which, once returned, will be used to visualize the meshworking practices of distributed-together scholars. In doing so, this workshop provides an alternative format to render

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visible not-seen or not-yet-understood meshworks that constitute the livable spaces within the neoliberal worlds of 4S, the academy, and beyond.

*More than Medical, More than Mechanical:*

*Zine Exploring Knowing and Being in a Menstruating Body*

**Jaxon Silva, California Polytechnic State University, San Luis Obispo**

**Nicole Herhusky, California Polytechnic State University, San Luis Obispo**

The concept of a “pain-free period” stages two realities: one with pain and one without. Each one refuses the other. Rather than existing in either, the multiplicitous experience of a menstrual cycle is shaped by a web of relations consisting of at least physiological demands, humans detached from those demands, and nonhuman members of moral and political associations. Material and contraceptive technologies embedded in discourse mediate the relations. Understandings of embodied experience are mechanized while dissonances between experienced and desired states of being and knowing persist. An economic and social organization that necessitates standardization renders experiences unintelligible, inconvenient, and “other.” What can we learn about power relations from more-than-medical meanings of pain? How can new modes of shared understanding enable us to, in the words of Helen Verran, “go on well together in difference?” The zine is a place for menstruators to test strategies for making intelligible their own embodied experiences. Both changing the collective and changed by its circulation, it is a playground for the reconfiguration and reframing of social and personal interfaces and engagements.

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## *Navigating Hybridity, Together: A Co-Created Artwork With Art/Tech/Nature/Culture*

**Kit Braybrooke, Technische Universität Berlin**

**Ann Light, University of Sussex**

[atnc.persona.co](http://atnc.persona.co)

How can hybridity foster new means of social and ecological regeneration in an increasingly uncertain world? This artistic engagement explores experiences of working and living in-between worlds through the co-creation



of a live generative artwork that combines material and digital forms into a dynamic collage of earthly cooperation.

Participants of 4S/ECOSITE are invited to contribute to the artwork by creating a

piece of it on paper which explores their experiences of hybridity, which will then be handed to another participant to complete, illustrating the many opportunities and challenges of existing in between disciplines, cultures, practices, and paradigms. The process of building and exhibiting this artwork will be curated by Art/Tech/Nature/Culture (ATNC), a transnational community of practice for those who explore the creative possibilities of ecological regeneration. We look for opportunities to build new ways forward in precarious times by transforming the many inequalities of the status quo. Our ways of addressing this are as diverse as our individual backgrounds, but we are united by a shared interest in using creative practices across disciplines (from arts, design, culture, and hacking to science, technology, and activism) to explore alternative futures that rethink, rebuild, and heal.

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### *Neural Re-Presentation*

**George Simms, I-Dat**

[youtu.be/XKL00cbnjS8](https://youtu.be/XKL00cbnjS8)

This project is an exploration into AI's abilities to form visual representations of its own complex relationships. The work manifests as a multi-agent reinforcement learning environment, most notably affording the agents within, the ability to represent themselves to themselves and each other. In doing this



the project aims to explore the material semiotics of these relationship builds (AI) allowing them to compose and re-present their relations with each other and their environment through a visual level. The agents' environment is simple, each spherical agent must not collide with one another or fall off the plane, allowing for the core element of their sensed inputs to be reconfigured. Instead of using accurate metrics of their

environment and surroundings, they are allowed to dictate their representation of it to themselves through an abstract shader, entangling each agent through their representational parameters into one homogenous imag(in)ing. The current stage of development is starting to introduce different roles within the agents to create a constructive conflict within the environment, trying to induce more complex and diverse performances of the agents' relations.

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### *No One Is Obliged To See: A Bloody Trap*

**Clarissa Reche**, State University of Campinas - UNICAMP

[caleido.clarissareche.repl.co](mailto:caleido.clarissareche.repl.co)

"No one is obliged to see" is a performance created together with my ongoing doctoral research, where the goal is centered in analyzing expressions of menstrual experiences and during fieldwork performed by ethnologists. Through the analysis interviews carried out with ethnologists and autoethnography experiments, I seek to work with visualization instruments that allow menstruation to unfold in complexity. When leaking from the silences, menstrual blood carries in its fluid questions about the multiplicity of bodies and about a production of knowledge that is capable of facing the sensual/aesthetic dimensions of lived experiences. I argue that the researchers' menstrual experiences were systematically suppressed from ethnological writing as a way of containing bodies and purifying the senses in favor of knowledge based on rationality and productivity. In the performance, I present a experiment with my own menstrual blood, created after coming into contact with amerindian's menstrual cosmopolitics, such as the control of flow through the vaginal muscles. I developed a kaleidoscope that serves as a bloody trap. Working with remains and failures as raw material for a unsubmitive research, I propose malice as a possible form of decolonial relationship within the production of scientific knowledge.

### *Our Soil/Nuestros Suelos: Community Science for Soil Care*

**Abby Kinchy**, Rensselaer Polytechnic Institute

**Salvatore Engel-Di Mauro**, SUNY New Paltz

**Kathy High**, Rensselaer Polytechnic Institute

**Tal Margalit**, Rensselaer Polytechnic Institute

**Hannah Price**, Rensselaer Polytechnic Institute

**Mónica Ramírez-Andreotta**, University of Arizona

**Sebastian Ureta**, Universidad Alberto Hurtado

**Daniel Valenzuela**, Universidad Santo Tomas

**Dan Walls**, Rensselaer Polytechnic Institute

**Chie Xu**, Yale University

**Caleb Yunis**, Universidad Alberto Hurtado

[oursoil.wp.rpi.edu](http://oursoil.wp.rpi.edu)

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Our Soil/Nuestros Suelos is an interdisciplinary and community-engaged research effort that looks to develop new ways in which communities can engage with soils, especially regarding the presence of potential pollutants such as arsenic and lead. In August-November 2021, we collaborated with residents of Troy, New York (USA) and Arica, Chile to sample soils in yards, gardens, playgrounds, and other locations of concern and screened them for arsenic and lead, using low-cost field methods. While soil testing was the focal activity, it was contextualized with other methods of participatory research, such as collaborative mapping and exchanging knowledge about gardening and soil care. In this Making and Doing display, we will present how we designed and are working to validate the arsenic and lead field tests, display the handbook of organizing and knowledge-sharing activities that we developed, and give hands-on demonstrations of some activities that help to attune us to the relationships between soil, nutrition, and heavy metals.

### *Post\_Networks*

**Kim Albrecht**, metaLAB at Harvard/Berkman Center

[youtu.be/g2bVruhxdqI](https://youtu.be/g2bVruhxdqI)

The research project »POST\_NETWORKS« conducts a series of aesthetic experiments visualizing the traces of network algorithms. Networks consist of conglomerates of points connected by lines. Two forces allocate their positions. Points repulse each other; they drift away from one another through time. Lines draw points together. A performance without width or thickness of separation and togetherness. Networks segment space, creating borders through their connectedness without occupying the surface. Networks are spaceless entities defined by the power relationship of attraction and separation. Network connections create boundaries without walls. Post Networks reimagines the web away from the division of space toward the composition of surface. What if what matters is not the network, but the spaces in-between? While lines emerge from the movement of points, surfaces emerge from the motion of lines through time. Space becomes occupied by the afterglow of repulsion and attraction. Not the network, but its past movement becomes present. Time collapses in a constant redrawing of the surface the network separated.

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### *Re-Animating the Archive*

**Kristine Ericson, Yale University**

The severity and impacts of nineteenth- and early twentieth-century tornadoes are known primarily through written descriptions, maps of affected areas, and photographs or other illustrations. Visual representations (maps, photographs, drawings) generally describe these events in terms of what the tornadoes left behind in the hours, days, or weeks after a storm's most intense moments. Post-event survey drawings indicate felled trees, torn roof shingles, and flooded streets. How can digital visualization tools call attention to the limits of data visible in these archival documents? As a digital artist, I examine and re-animate archival storm data. Using the 3D modeling and animation programs Rhinoceros 3D and Blender, I translate archival documentation of tornado paths of destruction into digital space—including tornadoes near New Harmony, Indiana, in 1852; in Luzerne County, Pennsylvania, in 1890; and in Omaha, Nebraska, in 1913. By transforming archival maps, texts, and photographs into 3D landscapes and dynamic digital objects I highlight the idiosyncrasies of various historical mapping and recording techniques while also exploring the potential of archival materials for spatial extrapolation and imagination. Can immersive digital visualizations reorient our relationship to events that took place in the distant past?

### *Re-experiencing Water*

**Marisa Manheim**

**Christy Spackman, SFIS - Arizona State University**

Due to shrinking supplies and increasing demand, many Arizona municipalities are pursuing a new approach to water provisioning, direct potable reuse (a.k.a. water recycling), whereby municipal wastewater is cleaned to drinking water standards. This making and doing project investigates how re-centering embodied knowledge in drinking water governance can shift the relationship between municipal water producers and their customers, with the potential to enhance regional sustainability at this inflection point in what is deemed an acceptable drinking water source. We present a multi-media experiential water tasting developed through collaboration with extreme users (municipal water avoiders, municipal water producers) in metropolitan Phoenix. We drew on the political potential of reimagining sensory politics (Spackman & Burlingame 2019) through "making

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taste public" (Voß & Guggenheim 2019), and on insights from sensory science of water (Suffet et al., 1999; Teillet et al., 2010). Presented at a public art festival (November 2021) and at the Arizona Water Association Conference (April 2022), we engaged more than 1000 members of the public, and more than 90 water professionals, in reconsidering how they construct the taste of water. Findings demonstrate that embodied knowledge potentially provides "a new way of thinking" about taste and its role in water governance.

### *Research Methods for Co-designing Digital Learning Spaces*

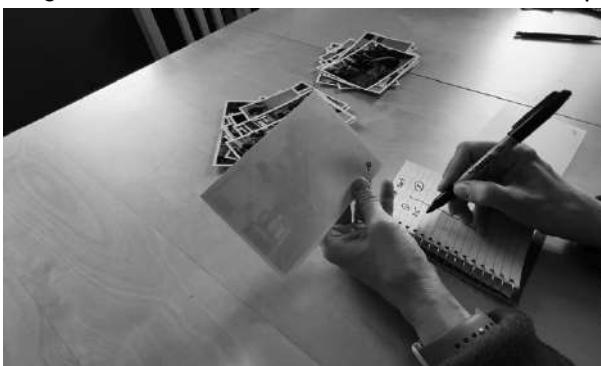
**Marguerite Koole, University of Saskatchewan**

**John Traxler, University of Wolverhampton**

**Shri Footring, Independent Researcher**

[tawaw.org](http://tawaw.org)

Working alongside members of communities who are remote and/or marginalized from the dominant socio-economic powers, the long-term goal



of the Decolonisation of Digital Learning Spaces project is to empower communities in choosing, adopting, developing, and/or appropriating culturally appropriate and sustainable digital learning technologies.

Before we can co-

envision useful options, however, we must first know what questions to ask and how to ask. It is necessary, therefore, to find appropriate, efficient, and innovative approaches to better understand community needs and values. To find suitable approaches, we are testing methods that allow the researchers to step outside their own pre-conceived understandings to avoid dominating or imposing meaning upon the participants' understandings. In this making-and-doing presentation, we will share a poster that outlines 1) the goals and concerns that were the impetus for the project, 2) the nascent network, and 3) potential knowledge elicitation methods. For hands-on activity, we will engage participants with one particular method: the repeated single-criterion card sort

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method. Participants will be asked to try the card sorting method. Then, we will demonstrate analysis and discuss the advantages, disadvantages, and implications of the method. Finally, we will ask the participants for their opinions and suggestions for additional methods.

### *STS Tarot Decks:*

#### *A Hands-On Approach To Critically Imagining The Future*

**Shannon N. Conley**, James Madison University

**Elizabeth A. Reddy**, Colorado School Of Mines

**Brad Tabas**, ENSTA Bretagne

**Brenda Trinidad**

**Toluwalogo Odumosu**, University of Virginia

**Damien Patrick Williams**, University of North Carolina at Charlotte

Our STS tarot cards are based off of the Creative Anticipatory Reasoning Framework (York and Conley 2020). They play on oracular traditions to help us encounter and actively re-orient our worlds. (cf. Martin Holbraad's 2012 work on oracular practices.) Drawing from Winner's "Technologies As Forms of Life," participants will use thematic decks of cards (Space Habitation, Gene Editing, Waste/Trash issues, etc) to time travel 25 years into the future. They will be guided through a backtracking exercise aiming to relate the steps that led to that future from the present, and they will also be encouraged to deepen their capacities as critical futurologists and imagineers by creating artifacts (anything from stick figures to clay models to VR and beyond) to assess the forms of life in the imagined future. Particular attention will be paid to reflecting on differential changes with respect to the fundamental justice and sustainability of future societies, focusing on above all to how even attractive innovations may exclude some from flourishing, unleashing novel forms of social and ecological injustice which may, with proper anticipation, be mitigated. At the end of the session participants will be invited to design their own STS tarot decks.

### *Tablet tabling: A speculative performance in two parts*

**Sydney Neuman**, York University

**Avery Nabata**, Independent

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Medicated bodies sit uneasily among competing and continuous discourses about pharmaceuticals, ever-present but often unacknowledged. STS scholarship about pharmaceuticalization importantly highlights the normative potential of drug development and circulation, but often fails to meaningfully engage with those who use pharmaceuticals. STS scholarship about novel chemical subjectivities sometimes oscillates between disempowering those who use drugs and, for better or for worse, borrowing from neoliberal discourses of individual agency. Within these faltering narratives, the experiences, investments, and interests of pharmaceutical users are frequently rendered unintelligible. Drawing heavily from disability justice theory and activism, our presentation uses science fiction to envision a habitable subject position for medicated bodies. Operating around three imaginary drugs, our presentation has a split structure: on one hand, a scaled down trade show booth operated by a pharmaceutical rep, provides promotional materials and product monographs; and on the other, a space modeled after the activist practice of "tabling" and run by a member of an activist collective provides pamphlets and zines about accessing, producing, and using those drugs. Spatial organization, visual cues, and paratextual elements reflect a perceived split, while proximity and mirroring compromise it. Speaking through the present and orienting toward a future, this is an act of cultural resistance—envisioning a more responsive, sustainable, and maybe even liberatory pharmaceutical practice.

*The Healthcare Innovation Race: Transparency and Collaboration versus Distrust (a Boardgame)*

**Ilaria Galasso**, University College Dublin

**Susi Geiger**, University College Dublin

[misfires.ucd.ie](http://misfires.ucd.ie)



To ensure that healthcare innovation corresponds to the interest of the patients and that fair and equitable

benefits arise, pharma companies have to be transparent in their business practices and listen to patients' needs: this is also important for patient trust,

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a vital engine in medical research and in the pharmaceutical market. This exhibit aims to stimulate reflection on the deep meaning of collaborative approaches to healthcare innovation and the role of transparency and trust by engaging participants with a collaborative boardgame set in the context of the pharmaceutical industry, readapted from the boardgame "Riese Gobrian". The game is played with the general principles of a goose game, but the players have to collaborate with one another as they only win if all the players (symbolizing different stakeholders: patients, pharma companies, payers, healthcare providers) reach the finishing line (that is: if everybody benefits from market access to a new therapy), without being swept away by "Distrust". "Distrust" moves forward at every turn and eliminates the pawns it reaches, unless the players strategically place "transparent agreements" on the board. There are lessons built into the game on medical innovation, the collective good, patient and public involvement, the role of patents.

### *The Labyrinth Project*

(*A podcast about the maze of nature in Los Angeles*)

**Christopher Kelty, UCLA**

[labyrinth.garden](http://labyrinth.garden)

The Labyrinth Project is a collaborative inquiry into nature in Los Angeles. Wetlands, lawns, rats, cats, coyotes, mountain lions interact with human affect, state power, indigenous politics, aesthetic pleasure, local governmental power and much more. Also, Satan. Our podcast series launched in Winter 2022 with six episodes covering controversies around animals, ecology, and sustainability in Los Angeles. The approach to creating them was experimental and collaborative relying on the use of shared research materials collected as part of our ongoing anthropological research. We present both the podcast series and the original conception for a "maze" of interconnected concepts and problems that constitute our ongoing work. These podcasts were researched and produced by graduate students, undergraduates, and faculty.

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### *The Museum of AfroFuturities*

**Elizabeth J Chin, ArtCenter College of Design**

**Temi Odumosu, University of Washington**

**Elise Co, ArtCenter College of Design**

The Museum of AfroFuturities is a day-long speculative installation that reimagines the Hall of African Peoples at the American Museum of Natural History. Since it was first opened in 1968, this ethnographic display has gone

largely unchanged. The installation proposed here aims to reconfigure this state of extended immobility by migrating the hall into alternative media. Working prototypes open revision



moments for visitors to experience and range from material interventions to ar/vr overlays. "Stolen Pasts//Imagined Futures" covers select cases with lenticular blinds so that objects obtained through colonial violence cannot be viewed, instead offering glimpses of ghostly objects and possible futures, imagined by Africans themselves. In "Afrotopia" museum-goers experience the hall through the lens of Octavia Butler's Parable of the Sower; a workshop and facilitated AR interactions shift static dioramas into lively Afrofuture worlds. "Manifest Multiplicity" allows visitors to move through the hall against the curatorial grain. Three AR journeys trace different paths through African Medical Practice, Collection as Colonization, and Controversial Objects. Individual paths intersect at key moments to expose and confront complex histories. "Black Radical AI Voices" narrate curated audio tours. These AI voices are not reproductions of any single voice, but bespoke AI instances trained on combinations of such voices as Paul Robeson, Angela Davis, and Patrice Lumumba. Together the included projects propose ways to recuperate colonialist structures of knowledge residing in natural history museums, reconfiguring technologies often used for surveillance or extraction as vehicles for decolonization and abundance.

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### *The Museum of the Absurd*

**Beatrys Rodrigues, Cornell University**

"Welcome to The Museum of the Absurd. Join us in curating our next exhibition about the 2020s, a decade when some of the most unreasonable and illogical decisions made by society led us to catastrophic crisis". In this interactive session, participants take on the role of curators in a new exhibit



in the Museum of the Absurd, set 30 years from now. At the beginning of the workshop, participants will peruse an exhibition of pre-selected artifacts: a meat hamburger representing

biodiversity loss, a prescription for birth control representing the disparity in access to reproductive rights, a piece of asphalt representing the increasing floods in cities, etc. Curators are invited to rethink the present as subject to change, especially when looking at artifacts that lead to destruction and oppression. Then, they will discuss in groups which artifacts they want to add to the exhibition. Participants will be able to "craft" their objects using materials that will be available to them. A previous version of this workshop was previously held at the event at the 2022 South by Southwest (SXSW) in Austin, Texas. Following the showcase of their proposed artifacts and the reasons to do so, participants will discuss the implications of their choices. Which habits, systems, structures, and values are these curatorial choices rejecting? And which actions can participants do in the present to make their chosen artifacts "obsolete" in the next years? If groups agree, their proposed artifacts will be shared on an open-access website.

# MAKING & DOING

## *Where To Start: Interventions Into Data Bias Using Wikipedia* Sofia Stancioff, Concordia University



Large transformer model based NLP's require equally large training sets, and Wikipedia has become an increasingly popular source of data. This session will discuss the variety of biases that are baked into our language and cultural narratives which become amplified by algorithms. Using a Wikipedia edit-a-thon as a site of engagement, histories of discrimination can be traced from the past through our present and into possible futures. The edit-a-thon will allow participants to pair discourse with action, grounding the discussion in concrete examples and possibilities for immediate intervention.

## SPECIAL EVENTS

### **Special Events / Eventos Especiales / Eventos Especiais**

*The Promise of Multispecies Justice*

*La Promesa de la Justicia Multiespecie*

*A Promessa de Justiça Multiespécie*

**Space:** Building F, Room F 008-009 and Building G, Room G 007-008, open from 10am till 6pm from Wednesday to Saturday

**Related events:** Wednesday, Opening Reception, 11am to 2pm Saturday, "Poaching" 11am – 1 pm (F 008-009); "La Caza Furtiva" 2 to 4pm (F 008-009)



**Image:** "Justice at the Ends of Worlds" by Feifei Zhou

**EN**

The Promise of Multispecies Justice exhibit will take place in Cholula, Mexico, from 7-10 December, before travelling to Chiapas where it will be displayed in the village of Miguel Hidalgo.

Multispecies justice demands political and aesthetic innovations. Somehow it is easier to notice injustice (the lack of something), than recognize justice. As ugly injustices proliferate, justice has become an elusive, yet beautiful, ideal. In exploring the aesthetic possibilities of multispecies justice we will exhibit the ugly alongside the beautiful, the grotesque alongside the surreal.

## SPECIAL EVENTS

Artworks oriented to more-than-human subjects will complement the stories of people who are gardening in the ruins of colonial and carceral geographies. We seek makers and doers of all kinds to collaborate with us in the work of sympathetic imagining across gulfs of species difference. Bring your own images, objects, artefacts, and texts to our pop-up gallery. If you fancy becoming a “poacher” in The Promise of Multispecies Justice panels, read selections from our freshly published book—available in a make-shift gallery reading room.

**More information:** <https://multispeciesjustice.space/open-call/>

**Contact:** Eben Kirksey, [eben.kirksey@anthro.ox.ac.uk](mailto:eben.kirksey@anthro.ox.ac.uk)

*ES*

La exposición La Promesa de Justicia Multiespecie tendrá lugar en Cholula, México, del 7 al 10 de diciembre, antes de viajar a Chiapas, donde se expondrá en el pueblo de Miguel Ángel Hidalgo.

La justicia multiespecie exige innovaciones políticas y estéticas. De alguna manera es más fácil notar la injusticia (la falta de algo), que reconocer la justicia. A medida que proliferan las feas injusticias, la justicia se ha convertido en un ideal escurridizo, aunque bello. Al explorar las posibilidades estéticas de la justicia multiespecie, expondremos lo feo junto a lo bello, lo grotesco junto a lo surrealista.

Las obras de arte orientadas a temas más que humanos complementarán las historias de personas que están cultivando un huerto en las ruinas de las geografías coloniales y carcelarias. Buscamos creadores y realizadores de todo tipo que colaboren con nosotros en el trabajo de imaginar con compasión a través de los abismos de la diferencia de especies. Trae tus propias imágenes, objetos, artefactos y textos a nuestra galería pop-up. Si quieres convertirte en un "cazador furtivo" en los paneles de "La Promesa de la Justicia Multiespecie" lee selecciones de nuestro libro recién publicado, disponible en una sala de lectura improvisada en la galería.

**Más información:** <https://multispeciesjustice.space/open-call/>

**Contacto:** Eben Kirksey, [eben.kirksey@anthro.ox.ac.uk](mailto:eben.kirksey@anthro.ox.ac.uk)

## SPECIAL EVENTS

PT

A exposição Promessa de Justiça Multiespecífica terá lugar em Cholula, México, de 7 a 10 de Dezembro, antes de viajar para Chiapas, onde será exibida na cidade de Miguel Ángel Hidalgo.

A justiça multiespecífica exige inovações políticas e estéticas. De alguma forma é mais fácil notar a injustiça (a falta de algo), do que reconhecer a justiça. À medida que as feias injustiças proliferam, a justiça tornou-se um ideal elusivo, ainda que belo. Ao explorarmos as possibilidades estéticas da justiça multiespecífica, exporemos o feio ao lado do belo, o grotesco ao lado do surreal.

Obras de arte mais do que humanas complementarão as histórias de pessoas que estão a jardinar nas ruínas das geografias coloniais e prisionais. Estamos à procura de criadores e fazedores de todos os tipos para colaborar connosco no trabalho de imaginar compassivamente através dos abismos da diferença de espécies. Traga as suas próprias imagens, objectos, artefactos e textos para a nossa galeria de pop-ups. Se quiser tornar-se um "caçador furtivo" nos painéis de "A Promessa de Justiça Multiespecífica" leia selecções do nosso livro recentemente publicado, disponível numa sala de leitura improvisada na galeria.

**Mais informações:** <https://multispeciesjustice.space/open-call/>

**Contacto:** Eben Kirksey, [eben.kirksey@anthro.ox.ac.uk](mailto:eben.kirksey@anthro.ox.ac.uk)

## SPECIAL EVENTS

### *In Memoriam*

**Space:** Gymnasium—Thursday 2.00 to 6.30pm, & Friday 11.00–2.00pm

**Related event:** Gymnasium—Presidential Plenary—Friday 8.30–10.30am



**Image:** Patricia Zavala, Unsplash [https://unsplash.com/es/fotos/wMseRfKg\\_k0](https://unsplash.com/es/fotos/wMseRfKg_k0)

*EN*

During November, Mexico dresses up with cempazúchitl and terciopelo, bright orange and deep fuchsia flowers. It perfumes with incense and copal, it savours unique breads covered in sugar or sesame seeds, it decorates itself with colourful cut papers and candles. Many Mexicans put up altars, a rich gathering of photographs, drinks, foods and smokes -all the favourite things of their ancestors. This festive event welcomes ancestors back for a few days to enjoy with them the pleasures of the senses, to remember their stories and their teachings, and to strengthen the relationships-knots that make up who we are. This year we follow this tradition. Members of our community have created a digital and physical altar to remember our STS ancestors sharing out-of-print books, no longer published journals, discontinued programs, events that no longer take place, and obviously, images and recordings of people who have passed.

**Contact:** Sandra González Santos, [sandragononzalezsantos@gmail.com](mailto:sandragononzalezsantos@gmail.com)

## SPECIAL EVENTS

ES

Durante el mes de noviembre, México se viste de cempazúchitl y terciopelo, de flores anaranjadas y fucsia intenso. Se perfuma con incienso y copal, se saborean singulares panes cubiertos de azúcar o ajonjolí, se decora con coloridos papeles cortados y velas. Muchos mexicanos colocan altares, una rica reunión de fotografías, bebidas, comidas y humos, todas las cosas favoritas de sus antepasados. Este acontecimiento festivo da la bienvenida a los difuntos durante unos días para disfrutar con ellos de los placeres de los sentidos, para recordar sus historias y sus enseñanzas, y para fortalecer los lazos de relación que conforman lo que somos. Este año seguimos esta tradición. Los miembros de nuestra comunidad han creado un altar digital y físico para recordar a nuestros antepasados CTS compartiendo libros agotados, revistas que ya no se publican, programas descatalogados, eventos que ya no se celebran y, obviamente, imágenes y grabaciones de personas que han fallecido.

**Contacto:** Sandra González Santos, [sandragononzalezsantos@gmail.com](mailto:sandragononzalezsantos@gmail.com)

PT

Durante o mês de Novembro, o México veste-se em cempazúchitl e veludo, laranja e flores de fúcsia profunda. É perfumado com incenso e copal, saboreado com pães únicos cobertos com açúcar ou sementes de sésamo, decorado com papel cortado colorido e velas. Muitos mexicanos montam altares, uma rica colecção de fotografias, bebidas, comida e fumo, todas as coisas favoritas dos seus antepassados. Este evento festivo acolhe os mortos durante alguns dias para desfrutar com eles os prazeres dos sentidos, para recordar as suas histórias e ensinamentos, e para reforçar os laços de relação que constituem o que somos. Este ano, continuamos esta tradição. Os membros da nossa comunidade criaram um altar digital e físico para recordar os nossos antepassados STS, partilhando livros esgotados, revistas que já não são publicadas, programas esgotados, eventos que já não são celebrados e, claro, imagens e gravações de pessoas que faleceram.

**Contacto:** Sandra González Santos, [sandragononzalezsantos@gmail.com](mailto:sandragononzalezsantos@gmail.com)

## SPECIAL EVENTS

### *Sonido street technologies and culture: a SST demonstration and dance*

**Space:** C201, Sonido street technologies and culture: Workshop, Sat 2.00 to 4.00pm & Foro de las Artes, Sonido street technologies and culture: a SST demonstration and dance, Sat 4.30pm to 6.30pm.

#### **Related events**

Thursday Sonic Street Technologies (SST) as a Means of Emergence and Survivance: Theory and Methods, 8.30 to 10.30am (D202); "Sonic Street Technologies (SST) as a Means of Emergence and Survivance: Technological Genealogies and Diaspora", 11.00am to 1.00pm (D202).



*EN*

Sonido Axel based in Puebla and The Sonic Street Technologies (SST) project, based at Goldsmiths, University of London, invites the 4S/ESOCITE and the local Cholula community to a demonstration and performance/dance on Saturday December 10, 2022, 2 pm, Aula Magna C201 (meeting point)/Foro de las Artes (workshop/dance), Universidad Iberoamericana Puebla.

Sonido Axel arises from San Baltazar Campeche, a cradle of the sonidero culture in Puebla. This is noted for its use of mobile sound systems that are a site of community building and resistance, expression and the experimental practices surrounding the rich tapestry of music and local

## SPECIAL EVENTS

technological traditions in Mexico. Sonideros are a key part of Mexican urban life that sustains its many musical genres such as cumbia, salsa, guaracha and others. The greater Puebla area is a key site of this culture in Mexico, and we are delighted to be collaborating with Sonido Axel for this event.

The workshop will engage with Efrén Moreno (Sonido Axel's owner, operator and DJ) to explore how the sonido's technology is assembled and constituted using a culture of repurposing and repair that is inherent globally to sound system technologies at large. This event will be conducted in Spanish and English. As practice-based researchers, SST acknowledges the ways that technoscientific and cultural forms and practices intersect, and sees the value in having the presence of a sonido, both as a source of entertainment and as a site of performance-based knowledge production at the conference. Interacting with sonidero culture directly in an embodied sense can influence science and technology studies scholars and simultaneously inform their practices, as well as disrupt established epistemologies within the field.

**More information:** <https://sonic-street-technologies.com/>

**Chair:** Dr. Yael Gerson, [y.gerson@gold.ac.uk](mailto:y.gerson@gold.ac.uk)

### *Tecnologías de la calle y cultura Sonidera: demonstración y baile de sistemas de sonido*

*ES*

El Sonido Axel, con base en Puebla, el proyecto Sonic Street Technologies, con base en Goldsmiths, Universidad de Londres, la 4S/ESOCITE y la comunidad local de Cholula les invita a una demostración acompañada de un baile y performance el Sábado 10 de diciembre 2022, 2 pm, Aula Magna C201 (meeting point)/Foro de las Artes (workshop/dance), Universidad Iberoamericana Puebla. Sonido Axel surge de San Baltazar Campeche, cuna de la cultura sonidera en Puebla. Esta cultura se identifica por el uso de sistemas de sonido móviles que son un sitio de resistencia y construcción comunitaria, de expresión y de prácticas experimentales que rodean el rico entramado de música y de tradiciones tecnológicas locales en México. Los sonideros son parte clave de la vida urbana mexicana que sostiene muchos de los géneros musicales como cumbia, salsa, guaracha y otros. La zona de Puebla es un sitio clave de esta cultura en México y estamos orgullosos de poder colaborar con el Sonido Axel durante este evento.

## SPECIAL EVENTS

Durante este taller, estaremos con Efrén Moreno (el dueño, operador y DJ de sonido Axel), quien nos ayudará a explorar el montaje de la tecnología del sonido explorando cómo se constituye el sonido a través de una cultura de rediseño y reúso inherente a las tecnologías de sistemas de sonido a nivel global. Como investigadores basados en la práctica, SST reconoce las formas en que las culturas y prácticas tecnocientíficas se cruzan, y por ende reconocemos el valor que brinda la presencia de un sonido tanto como una fuente de entretenimiento, como brindando un sitio de performance a través del cual se producen nuevos conocimientos. Directamente interactuando con la cultura sonidera, de una forma corpórea, puede influenciar los estudios de ciencia y tecnología, y a la vez informar las prácticas de investigadores, creando rupturas en las epistemologías ya establecidas.

**Más información:** <https://sonic-street-technologies.com/>

**Chair:** Dr. Yael Gerson, [y.gerson@gold.ac.uk](mailto:y.gerson@gold.ac.uk)

### *Tecnologias de rua e cultura Sonidera: Demonstração e dança de sistemas de som*

*PT*

Sonido Axel, baseado em Puebla, o projecto Sonic Street Technologies, baseado em Goldsmiths, Universidade de Londres, 4S/ESOCITE e a comunidade local de Cholula convidam para uma demonstração acompanhada por uma dança e espectáculo no sábado 10 de Dezembro de 2022, 14 horas, Aula Magna C201 (ponto de encontro)/Foro de las Artes (workshop/dança), Universidad Iberoamericana Puebla. Sonido Axel vem de San Baltazar Campeche, berço da cultura da sonidera em Puebla. Esta cultura é identificada pela utilização de sistemas de som móveis que são um site de resistência e construção de comunidades, expressão e práticas experimentais que rodeiam a rica teia de música e tradições tecnológicas locais no México. Os sonideros são uma parte fundamental da vida urbana mexicana que sustenta muitos dos géneros musicais como a cumbia, salsa, guaracha e outros. A área de Puebla é um local chave desta cultura no México e estamos orgulhosos de poder colaborar com Sonido Axel durante este evento.

Durante este workshop, a Efren Moreno (o proprietário, operador e DJ de Axel Sound) juntar-se-á a nós, que nos ajudará a explorar a montagem da tecnologia de som, explorando a forma como o som é constituído através de

## SPECIAL EVENTS

uma cultura de redesenho e reutilização inerente às tecnologias de sistemas de som a nível mundial. Como investigadores baseados na prática, SST reconhece as formas como as culturas e práticas tecnocientíficas se cruzam, e assim reconhecemos o valor proporcionado pela presença do som, tanto como fonte de entretenimento como como local de desempenho através do qual novos conhecimentos são produzidos. A interacção directa com a cultura sólida, de uma forma corpórea, pode influenciar os estudos científicos e tecnológicos, e ao mesmo tempo informar as práticas dos investigadores, criando rupturas nas epistemologias estabelecidas.

**Mais informações:** <https://sonic-street-technologies.com/>

**Chair:** Dr. Yael Gerson, [y.gerson@gold.ac.uk](mailto:y.gerson@gold.ac.uk)

## AT A GLANCE

### *MONDAY, DECEMBER 5*

- 02:30– 6:00   **Pre-Conference Writing Workshop I**  
Building B: B 201

### *TUESDAY, DECEMBER 6*

- 09:00–1:00   **4S Council Meeting**  
Building C: C108
- 09:30–4:30   **Pre-Conference Writing Workshop II**  
Building B: B 201

### *WEDNESDAY, DECEMBER 7*

- 08:30–10:30   **Concurrent Sessions**
- 10:30–11:00   **COFFEE BREAK**
- 11:00–1:00   **Concurrent Sessions**
- 1:00–2:00   **LUNCH**
- 11:00–2:00   **The Promise of Multispecies Justice Reception**  
Building G: G009-G010
- 1:00–2:00   ***Tapuya's Hebe Vessuri Lecture***  
Building A: A202
- 2:00–4:00   **Concurrent sessions**
- 04:00–04:30   **COFFEE BREAK**
- 4:30–6:30   **Concurrent sessions**
- 4:30–6:30   **Plenaria Presidencial ESOCITE - Panel Inaugural: Agendas CTS y Agendas locales/globales de Ciencia y Tecnología**  
Building H: Manuel Acévez Auditorium

## AT A GLANCE

6:30–8:30	<b>Welcome Reception</b> Gymnasium
<b><i>THURSDAY, DECEMBER 8</i></b>	
8:30–10:30	<b>Concurrent Sessions</b>
10:00–1:00	<b>Open STS Data: Opportunities for Pedagogy, Reuse, Re-interpretation Workshop</b> Building A: A110
10:30–11:00	<b>COFFEE BREAK</b>
11:00–1:00	<b>Concurrent Sessions</b>
1:00–2:00	<b>LUNCH</b>
1:00–2:00	<b>EASTS International Editorial Meeting</b> Building A: A008
1:00–2:00	<b>Holtz Center for Science &amp; Technology (University of Wisconsin-Madison) &amp; Tapuya: Latin American Science, Technology and Society Meet-up</b> Building A: A202
1:00–2:00	<b>Cultivating an Ethical Ethos in our STS Communities Meet-up</b> Building A: A204
1:00–2:00	<b>Cafézim: Latinx Scholars in the Global North Meet Up</b> Building A: A205
2:00–4:00	<b>Concurrent sessions</b>
2:00–6:30	<b>In Memoriam-Día de Muertos Project I</b> Gymnasium: Altar

## AT A GLANCE

2:00–6:30	<b>Making &amp; Doing Central Exhibition I</b> Gymnasium
2:00–6:30	<b>Making &amp; Doing: The Museum of Afrofuturities I</b> Building C: Aula Magna C201
2:00–6:30	<b>Making &amp; Doing: Projections I</b> Building B: B205
2:00–6:30	<b>Making &amp; Doing: Performances I</b> Building B: B206
2:00–6:30	<b>Making &amp; Doing: The Promises of Multispecies Justice I-A</b> Building F: F008-F009
2:00–6:30	<b>Making &amp; Doing: The Promises of Multispecies Justice I-B</b> Building G: G007-G008
4:00–4:30	<b>COFFEE BREAK</b>
4:00–6:30	<b>Concurrent sessions</b>
4:00–6:30	<b><i>Engaging Science, Technology, and Society: Editorial Board Happy Hour</i></b> Building C: C204
4:30–6:30	<b>Bruno Latour: In Memoriam</b> Building H: Manuel Acévez Auditorium
6:30–8:30	<b>4S-ESOCITE Prize Session</b> Gymnasium
8:30–10:30	<b><i>East Asian Science, Technology and Society &amp; Tapuya: Latin American Science, Technology and Society</i> Joint Reception</b> Cafeteria: Salón

## AT A GLANCE

### *FRIDAY, DECEMBER 9*

- 8:30–10:30     **4S 2022 Presidential Panel**  
Gymnasium
- 10:30–11:00    **COFFEE BREAK**
- 11:00–1:00     **Concurrent Sessions**
- 11:00–4:00     **Making & Doing: The Museum of Afrofuturities II**  
Building C: Aula Magna C201
- 11:00–1:00     **Science, Technology & Human Values:  
Editorial Board Meeting**  
Building A: A104
- 11:00–2:00     **In Memoriam-Día de Muertos Project II**  
Gymnasium: Altar
- 11:00–2:00     **Making & Doing: Projections II**  
Building B: B205
- 11:00–2:00     **Making & Doing: Performances II**  
Building B: B206
- 11:00–1:00     **Labor Tech Research Network Launch I: Panel**  
Building D: D008
- 11:00–2:00     **Making & Doing: The Promises of Multispecies Justice II-A**  
Building F: F008-F009
- 11:00–2:00     **Making & Doing: The Promises of Multispecies Justice II-B**  
Building G: G007-G008
- 11:00–2:00     **Making & Doing Central Exhibition II**  
Gymnasium

## AT A GLANCE

11:00–2:00	LUNCH
1:00–2:00	<b>Open Meeting for Students and Early Career Scholars of 4S</b> Building A: A004
1:00–2:00	<b>The Next 4S Handbook of Science, Technology, &amp; Society... and Beyond</b> Building A: A110
1:00–2:00	<b>"Anthropogenic Table of Elements" Book Launch</b> Building A: A202
1:00–2:00	<b>Heterogeneidad, diversidad y proyecciones</b> Building A: A204
1:00–2:00	<b>Presentación de la Biblioteca PLACTED</b> Building B: B102
2:00–4:00	<b>Concurrent sessions</b>
2:00–4:00	<b>Labor Tech Research Network Launch II: Unconference</b> Building D: D008
4:00–4:30	<b>COFFEE BREAK</b>
4:30–6:30	<b>Concurrent sessions</b>
7:30–10:30	<b>Banquet</b> Gymnasium

## SATURDAY, DECEMBER 10

8:30–10:30	Concurrent Sessions
10:30–11:00	<b>COFFEE BREAK</b>
11:00–1:00	<b>Concurrent Sessions</b>

## AT A GLANCE

11:00–2:00	<b>In Memoriam-Día de Muertos Project II</b> <i>Gymnasium: Altar</i>
11:00–1:00	<b>4S Business Meeting</b> Building H: H113-H116
11:00–1:00	<b>Asamblea General ESOCITE 2022</b> Building H: Manuel Acévez Auditorium
1:00–2:00	<b>LUNCH</b>
2:00–4:00	<b>Concurrent sessions</b>
2:00–4:00	<b>Sonido street technologies and culture: Workshop</b> Building C: Aula Magna C201
4:00–4:30	<b>COFFEE BREAK</b>
4:30–6:30	<b>Concurrent sessions</b>
4:30–6:30	<b>Sonido street technologies and culture: a SST demonstration and dance</b> Foro de las Artes/Arts Forum: Foro de las Artes

# MONDAY

*MONDAY, DECEMBER 5*

## **001. Pre-Conference Writing Workshop I**

*2:30 to 6:00 pm*

*Building B: B 201*

Session Organizers:

***Conference Chairs, 4S/ESOCITE***

***Laura Foster, Indiana University - Bloomington***

## TUESDAY

*TUESDAY, DECEMBER 6*

**002. 4S Council Meeting**

*9:00 to 1:00 pm*

*Building C: C108*

Session Organizer:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

**003. Pre-Conference Writing Workshop II**

*9:30 to 4:30 pm*

*Building B: B 201*

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## WEDNESDAY

### WEDNESDAY, DECEMBER 7

#### 004. 4S Decolonial AI: Possibilities and Praxis

8:30 to 10:30 am

Building A: A004

Participants:

Human-Machine Communication, Artificial Intelligence, and Issues of Data Colonialism *Beth Coleman, ICCIT/Faculty of Information, University of Toronto*  
AI and Disaster Risk: A Practitioner Perspective *Robert Soden, University of Toronto*

Decolonizing data about smart cities *Alessandra Renzi, Concordia University*

Shaping Feminist Artificial Intelligence Then and Now *Sophie Toupin, Concordia University (Montreal, CANADA)*

Discussant:

**Priyank Chandra**, University of Toronto

Chair:

**Shion Guha**, University of Toronto Fol

Session Organizer:

**Beth Coleman**, ICCIT/Faculty of Information, University of Toronto

#### 005. Disentangling the Nature of Compound in Environmental Disasters

8:30 to 10:30 am

Building A: A012

Participants:

An Attempt to Use the Tools to Fight Social Incidents to Mitigate a Climate Disaster: Usage of Anti-Riot tools During the 2021 Wildfires in Turkey *Ece Gurleyik, New York University*

Gobernanza en la investigación socioambiental en dos proyectos sobre cambio climático *Ma. Elena Giraldo Palacio, Universidad Nacional Autónoma de México; Eliana Alejandra Arancibia, Profesora Asociada*

Los Sentidos del Desastre. Las Hablas Comunes Frente a la Administración de Megaincendios en Chile *Claudio Salinas, Universidad de Chile; Karla Palma, Universidad de Chile*

Participation in the governance of the Samarco disaster: An Actor-Network Analysis *Thomas Rickard, Instituto de Geociências (IGC), Universidade Federal Minas Gerais (UFMG); Raoni Rajão, Federal University of Minas Gerais (UFMG)*

What Can Citizen Science And Food Movements Learn From Each Other Through Their Shared Struggles For Democracy, Technological Sovereignty And Sustainability? *Raquel Ajates, Universidad Nacional de Educación a Distancia*

Discussant:

**Jennifer J Henderson**, Texas Tech University

Chair:

**Rodolfo Andres Hernandez**, Texas Tech University

Session Organizer:

## WEDNESDAY

**Jennifer J Henderson**, Texas Tech University

### 006. Formations of Contagion without Infection

8:30 to 10:30 am

Building A: A102

Participants:

Psychiatry and epidemiology: contagion of styles of reasoning Gladys Kostyrka,  
*University of Edinburgh*

Epidemiology of Affects in Uruguay *Andrea Clara Bielli, Universidad de la  
República; María Pilar Bacci, Universidad de la República; Gabriela Lilián Bruno,  
Facultad de Psicología de la Udelar Uruguay; Nancy Beatriz Calisto, Academic,  
University of the Republic (Uruguay)*

Numbering Herbal Toxicity for Nations and Infants in Singapore and Taiwan  
after World War II. *Po-Hsun Chen, Centre for the History of Science,  
Technology, and Medicine, the University of Manchester, UK*

Of Wars and Drugs: Complicity and Collaboration at the Intersection of  
Criminology and Epidemiology in South Asia *Mauricio Najarro*

Chair:

**Mauricio Najarro**

Session Organizer:

**Lukas Engelmann**, University of Edinburgh

### 007. AI, Cyborgs, Robots and Religion I

8:30 to 10:30 am

Building A: A104

Participants:

Ram-Rajya At The Time of AI: The Statistical Turn In Technoscience *Ravi Shukla,  
Jawaharlal Nehru University*

The Stars in our Algorithms: Speculation and Divination from Astrology to  
Artificial Intelligence *Leona Nikolić, Concordia University (Montreal, CANADA)*

The Allahgorithm: When 'Suggested Content' Becomes Deified Colonial  
Whiteness: Perceptions Amongst Young Professional British Muslims  
*William Barylko, University of Warwick, UK*

Discussant:

**Damien Patrick Williams**, University of North Carolina at Charlotte

Chair:

**W.E. King**, University of Washington

Session Organizer:

**W.E. King**, University of Washington

### 008. Entre Autonomías y Soberanías Tecnológicas - Reflexiones y acciones

8:30 to 10:30 am

Building A: A106

Participants:

Comunicaciones Tosepan Limakxtum Adrián López Angulo, *Redes por la  
Diversidad, Equidad y Sustentabilidad A.C.*

## WEDNESDAY

¿Autonomía o coproducción?: triálogo entre iniciativas de creación tecnológica en la ruralidad colombiana *Nicolás Gaitán-Albarracín*

Experiencia Educativa colaborativa Taller Tosepan Ojtatsentekitinij – estudiantes de diseño de producto *Sebastian Maya Tapiero, Universidad Anáhuac Puebla*

Chair:

**Juan David Reina Rozo**

Session Organizers:

**Nicolás Gaitán-Albarracín**

**Adrián López Angulo**, Redes por la Diversidad, Equidad y Sustentabilidad A.C.

**Lilian Nayibe Chamorro**

**Sebastian Maya Tapiero**, Universidad Anáhuac Puebla

### 009. Environmental Disturbances of Experiments

8:30 to 10:30 am

Building A: A110

Participants:

The expanded laboratory: Laboratory as including surrounding environment  
*Tiffany Nichols, Harvard University - History of Science*

Bone sticks to your tongue: Making sense of data in archaeology *Amanda Almeida Domingues, Cornell University*

Emplacing Physics *Nithyanand Rao, UC San Diego*

Learning about environments while doing genetics *Nicole C Nelson, University of Wisconsin Madison*

Chair:

**Nicole C Nelson**, University of Wisconsin Madison

Session Organizers:

**Nicole C Nelson**, University of Wisconsin Madison

**Tiffany Nichols**, Harvard University - History of Science

### 010. Taxonomies in an Era of More-Than-Human Agency // Taxonomías en la Era de Agencia No-Humana

8:30 to 10:30 am

Building A: A112

Participants:

A Political Taxonomy of Terrain: Ravines in Guatemala City *Melanie Ford Lemus, Rice University*

Cultivos, in silico y biodiversidad. Problemas y discursos en taxonomía de levaduras en el siglo XXI *Santiago Kaderian, CONICET*

The Uses of Biodiversity in Colombia. Taxonomic Operations in Violent Landscapes *Jaime Landinez Aceros, Stanford University*

Untangling Taxonomies of Trout in the U.S. West *Christine Biermann, University of Colorado Colorado Springs; David Havlick, University of Colorado Colorado Springs*

Discussant:

**Elana Shever**, Colgate University

## WEDNESDAY

Chair:

**Pablo AguileraDelCastillo**, Department of Anthropology, The University of Pennsylvania

Session Organizer:

**David Havlick**, University of Colorado Colorado Springs

### **011. Technologies of Scalable Power: Big Data, Big Tech, 'Cloud' services, and scalable technoePISTEMICS in global computing**

8:30 to 10:30 am

Building A: A202

Participants:

How to counter-act hegemonic search with European search projects "growing in the ruins scalability leaves behind" *Astrid Mager, Austrian Academy of Sciences*

Big Tech's Scalability, or the lack thereof: Nonscalability of infrastructural computing technologies *Yoehan Oh, Rensselaer Polytechnic Institute*

Governing European Cloud Infrastructures *Andreas Baur, Universities of Amsterdam and Tübingen*

Chair:

**Yoehan Oh**, Rensselaer Polytechnic Institute

Session Organizer:

**Yoehan Oh**, Rensselaer Polytechnic Institute

### **012. The animal farm: how to study care in multi-species encounters**

8:30 to 10:30 am

Building A: A204

Participants:

An Ecology of Empowerment: Women Farmers, Livestock Relationships, and Ethics of Care in Sustainable Agriculture *Taylor Hartson, University of Notre Dame*

Engaging with Animal Suffering on Factory Farms *Aaliah M. Carlos, University of Waterloo, Canada*

How to welcome new species in the Arctic? *Barbara Beata Baczyńska, Nord University*

Chair:

**Barbara Beata Baczyńska**, Nord University

Session Organizer:

**Barbara Beata Baczyńska**, Nord University

### **013. Antibiotic trajectories: exploring global connections of antibiotic production and distribution I**

8:30 to 10:30 am

Building A: A205

Participants:

Balancing Knowledge Reliability and Ethical Acceptability at the Moscow Institute for New Antibiotics, 1950s-1970s *Pavel Vasilyev, HSE University St.*

## WEDNESDAY

*Petersburg; Viktoria Vinokurova, HSE University*

The trajectory of The Fixed-dose combinations of antibiotics for tuberculosis in global and Brazilian context *Luiz Villarinho, Centre de Recherche Médecine, Sciences, Santé, Santé Mentale et Société (cermes3), Paris; Maurice Cassier, CNRS/France; Marilena Corrêa, Institute of Social Medicine, State University of Rio de Janeiro*

Exploring Trajectories: Antibiotics as Objects of Global Trade and Local Consumption *Heidi E. Fjeld, University of Oslo; Anne Lie, University of Oslo*

Discussant:

**Christoph Gradmann**, University of Oslo

Chair:

**Mingyuan Zhang**, University of Oslo

Session Organizers:

**Heidi E. Fjeld**, University of Oslo

**Mingyuan Zhang**, University of Oslo

### 014. Automated Progress? Questioning Techno-optimistic Projections For Automation and the Future of Work I

8:30 to 10:30 am

Building B: B102

Participants:

Conjuring Up Momentum: How Claims to Automated ‘Fixes’ in the Future Stifle Diverse Opportunities for Sustainable Agriculture in the Here and Now *Patrick Baur, University of Rhode Island; Alastair Iles, UC Berkeley*

Upgrade and Obsolescence: Race, Automation, and the Intermingled Revolutions of the Postwar United States *Jason D Ludwig, Cornell University*  
Labor Must Have Many Faces- Seeing Like a Gig Company *Ira Anjali Anwar, School of Information at University of Michigan*

Chair:

**Ira Anjali Anwar**, School of Information at University of Michigan

Session Organizers:

**Patrick Baur**, University of Rhode Island

**Alastair Iles**, UC Berkeley

### 015. Beyond Technoscientific Utopias/Dystopias I

8:30 to 10:30 am

Building B: B103

Participants:

Negotiating the Boundaries of Futures through Speculative Design *Tawanna Dillahunt, University of Michigan School of Information; Alex Jiahong Lu, University of Michigan; Julia Couch, University of Michigan School of Information*

Sensing Sociotechnical Imaginaries through IoT Poles *Elma Hajric, SFIS - Arizona State University*

Transhumanism & Future Technology: How Transhumanism Influences Emerging AI Technologies *Dayna Leann Jeffrey, Department of Science &*

## WEDNESDAY

*Technology Studies, York University*

"You really are a thing!" - Queering relations with the more-than-human world

*Tomi Dufva, Aalto-university; Henrika Ylirisku, Aalto University, the school of Arts, Design and Architecture*

Chair:

**Tomi Dufva**, Aalto-university

Session Organizer:

**Dayna Leann Jeffrey**, Department of Science & Technology Studies, York University

### 016. Co-Construction of Data and Communities as Forms of Life I

8:30 to 10:30 am

Building B: B105

Participants:

Doing Good Data: Co-Producing Applications With Vulnerable Mothers, Welfare Workers And Policy-Makers *Hugo Peeters, Erasmus University Rotterdam*

Learning from Radical (re)Constructions of Data Practices: Grassroots Visions of Communities' Data and Data Care Ethics *Saguna Shankar, The University of British Columbia*

Máquinas que regulan nuestra vida moral *juan carlos moreno, Santo Tomas University; Sara Guzman, Université de Grenoble*

On not making youth care redundant: incompatibility of technological frames  
*Sabrina Huizenga, Erasmus University Rotterdam*

Chair:

**juan carlos moreno**, Santo Tomas University

Session Organizers:

**Jorge Rojas-Alvarez**, University of Illinois at Urbana-Champaign

**juan carlos moreno**, Santo Tomas University

### 017. Teaching, Research and Extension for Dialogic (re)Constructions Between Universities and Peripheries I

8:30 to 10:30 am

Building C: C105

Participants:

A Dialética das Periferias: Interseccionalidade Como Pedagogia da Práxis Para a Inclusão Tecnocientífica *Rafaela Mota Ardigó, Universidade Tecnológica Federal do Paraná*

A relação universidade-setor público sob a perspectiva da extensão universitária: um estudo sobre a Universidade Estadual de Campinas (Unicamp) *Thais Aparecida Dibbern, University of Campinas (Unicamp); Evandro Cristofoletti, University of Campinas (Unicamp); Denis Alves, University of Campinas (Unicamp); Amanda Trentin, University of Campinas (Unicamp); Milena Serafim, University of Campinas (Unicamp)*

Desenho Participativo Para Reconstruções Dialógicas Entre Universidade E Periferias: Uma Modelagem Das Contradições Para Apoio À Ação-Reflexão *Bernardo Alves Villarinho Lima, Universidade Tecnológica Federal do Paraná;*

## WEDNESDAY

*Leonelo Dell Anhol Almeida, Universidade Tecnológica Federal do Paraná - UTFPR*

*Atuação da Rede Fermento na Massa e a pandemia da COVID-19 Helen Vanessa Melezinski, Universidade Tecnológica Federal do Paraná - UTFPR; Maíra Fernandes Costa; Mário Lopes Amorim, UTFPR; Wanderlei José Deina A experiência do ensino remoto com crianças da educação infantil no município de Curitiba: o que aprendemos com um ensino mediado pela tecnologia? Marta Mondini, Secretaria Municipal da Educação de Curitiba; Nestor Saavedra, Universidade Tecnológica Federal do Paraná*

Chair:

*Helen Vanessa Melezinski, Universidade Tecnológica Federal do Paraná - UTFPR*

Session Organizers:

*Bernardo Alves Villarinho Lima, Universidade Tecnológica Federal do Paraná*

*Luana Las Schaab, Universidade Tecnológica Federal do Paraná*

*Yuri Gabriel Campagnaro, Universidade Tecnológica Federal do Paraná*

*Rafaela Mota Ardigó, Universidade Tecnológica Federal do Paraná*

### **018. Technology Sovereignty in Food and Agriculture: digital**

*8:30 to 10:30 am*

*Building C: C204*

Participants:

*Algo-ecological Development: Contesting Digital Logics and Plantation Power in the Valle del Cauca Alex Liebman, Rutgers University - New Jersey, USA*

*Enacting and Evaluating Food Sovereignty, Technology Sovereignty, and Data Justice in Farm-Level Digital Technologies Sarah-Louise Ruder, University of British Columbia; Hannah Wittman, University of British Columbia*

*Technological Engagement for Food Sovereignty: The Emancipatory Geography of Digital Agri-Technologies in Quebec and Ontario Kelly Bronson, Department Of Sociology And Anthropology, University Of Ottawa; Mascha Gugganig, University of Ottawa; Sarah Marquis, University of Ottawa*

*The politics of potato germplasm conservation in the Peruvian Highlands Sebastian Zarate, North Carolina State University; Jason A. Delborne, North Carolina State University*

*Regenerative agriculture, settler colonialism, and movements for technology sovereignty Julie Snorek, Dartmouth College; Geneva M.L Smith, Dartmouth College; Susanne Freidberg, Dartmouth College*

Chairs:

*Barbara Van Dyck, Centre for Agroecology, Water and Resilience, Coventry University*

*Maywa Montenegro de Wit, University of California - Santa Cruz*

Session Organizers:

*Barbara Van Dyck, Centre for Agroecology, Water and Resilience, Coventry University*

*Maywa Montenegro de Wit, University of California - Santa Cruz*

## WEDNESDAY

### 019. Alternative Sociotechnical infrastructures I

8:30 to 10:30 am

Building D: D102

Participants:

Análisis sociotécnico de las relaciones entre las capacidades estatales e innovación en los servicios de transporte y movilidad urbana en el Valle de México *Sergio Gustavo Astorga, CONACYT/ UAM Xochimilco*

Infrastructure and The Soma of Trade *Christina Dunbar-Hester, University of Southern California*

Maintaining value in storage infrastructures: the politics and multiple economic paths of diminished things *Pierre Delvenne, Université de Liège (SPIRAL); Hadrien Macq, Technische Universität München; Céline Parotte, University of Liege - Spiral*

Alternativas sociotécnicas en defensa de la soberanía alimentaria por las mujeres del GVG en Tlaxcala, México *Yolanda Castañeda Zavala, Universidad Autónoma Metropolitana; Yolanda Cristina Massieu Trigo, UAM*

Techno-economic calculations, infrastructures and economic policy-making  
*Guillaume Yon, London School of Economics*

Chair:

**Sergio Gustavo Astorga**, CONACYT/ UAM Xochimilco

Session Organizer:

**Yolanda Cristina Massieu Trigo**, UAM

### 020. Datification and data platforms I

8:30 to 10:30 am

Building D: D105

Participants:

A Colonização Do Tempo E A Modulação De Comportamento Nas Plataformas Digitais *Debora Franco Machado, UFABC*

Asserting Unknowing / Uncertainty and Data as Deferral *Leah Horgan, Northeastern University*

28. Critical datification, platformization and algorithmic cultures from Latin America and the Global South *Juan Ortiz Freuler, Berkman Klein Center / Annenberg, USC*

Processing Pleasure *Patrick Keilty, University of Toronto*

Chair:

**Juan Ortiz Freuler**, Berkman Klein Center / Annenberg, USC

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 021. Politics of biotechnology and biomedicine I

8:30 to 10:30 am

Building D: D108

Participants:

A good (genetic) match? Applying whole-genome testing to select gametes

## WEDNESDAY

*Mauro Turrini, Consejo Superior Investigaciones Científicas (CSIC); Vincenzo Pavone, Consejo Superior Investigaciones Científicas (CSIC)*

A Postgenomic Quilt: The Turn to Endophenotypes and Deep Phenotyping in Medical Genetics *Daniel Navon, University of California, San Diego; Kathrynne Metcalf, University of California San Diego*

Budget IVF: Assessing American use of low-cost IVF across the politically contested US-Mexico border *Chloe Sariego, Yale University*

ELSI/RRI emphasized frames for biotechnology in the Japanese coverage: a comparative analysis between genetic modification, regenerative medicine, and brain-science *Kohei Takeda, Osaka University; Megumi Komata, Graduate School of Arts and Sciences, the university of Tokyo; Kanako Takaue, Waseda Institute of Political Economy; Mikihito Tanaka, Waseda University; Ryuma Shineha, Osaka University*

Plataformas tecnológicas para la producción pública de vacunas *Patricia Gutií, Universidad Nacional de Quilmes; Yamila Kababe, National University of Quilmes*

Chair:

**Kohei Takeda**, Osaka University

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 022. Socio-cultural dimensions of AI I

8:30 to 10:30 am

Building D: D202

Participants:

AI, Cultural Transmission, and Refusing the Imperative: sound and storytelling with artificial intelligence and machine learning *Debashis Sinha, Ryerson University*

All Artificial Intelligence is Normative: Politics of Efficiency, Technological Fixes & Structural Problems *Inga Ulricane, De Montfort University*

Critical theory and artificial intelligence: for a critique of algorithmic rationality *Fabien Richert, Université du Québec à Montréal (UQAM)*

Cellular Automata Theory as Experimental Method *Samuel Pizelo, University of California, Davis*

Chair:

**Fabien Richert**, Université du Québec à Montréal (UQAM)

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 023. Recovery

11:00 to 1:00 pm

Building A: A004

Presenters:

**Rebecca Jordan-Young**, Barnard College, Columbia University

**Samuel Kelton Roberts**, Columbia University

**Kelly Moore**, Loyola University Chicago

## WEDNESDAY

**Kerwin Kaye**, Wesleyan University

Chair:

**Rebecca Jordan-Young**, Barnard College, Columbia University

Session Organizer:

**Elizabeth Bernstein**, Barnard College, Columbia University

### **024. Engaging Science, Technology, and Society: Meet the Editors**

*11:00 to 1:00 pm*

*Building A: A012*

Chair:

**Grant Jun Otsuki**, Victoria University of Wellington

Session Organizers:

**Aalok Khandekar**, Indian Institute of Technology Hyderabad

**Alison Kenner**, Drexel University

**Angela Okune**, University of California - Irvine

**Noela Invernizzi**, Universidade Federal do Paraná

**Emily York**, James Madison University

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

**Duygu Kasdogan**, İzmir Katip Çelebi University

**Sujatha Raman**, The Australian National University

### **025. The appropriation and mobilization of knowledge of Science, Technology, and Innovation as an epistemic element and inclusion in the National Health Systems**

*11:00 to 1:00 pm*

*Building A: A102*

Participants:

A socio-cognitive account of patient simulation pedagogy **Ivana Guerrasi**,  
*Minnesota State University, Mankato*

La apropiación social del conocimiento. Un análisis del SNS en México sobre la  
Diabetes Mellitus **Ana Laura González Zambrano**, *UNAM*

análisis de la movilización de conocimiento y las prácticas epistémicas de los  
investigadores en Diabetes Mellitus tipo 2 **Juan Carlos García Cruz**, Cátedras  
CONACYT/ UAM Xochimilco; **Alexandre Vera-Cruz**, Universidad Autónoma  
Metropolitana, Dpto. Producción Económica y Posgrado en Economía, Gestión  
y Política de Innovación, México

Procesos De Innovación En Comunidades Virtuales Análisis De Caso:  
Comunidades Virtuales En Español Relacionadas Con Diabetes Tipo 2 **Isis**  
**Andrea Ordoñez Linares**, *UAM Xochimilco*

The communication of science as a tool for the social appropriation of  
knowledge in public health **Xenia Anaid Rueda**, *UNAM*

Chair:

**Xenia Anaid Rueda**, UNAM

Session Organizer:

**Juan Carlos García Cruz**, Cátedras CONACYT/ UAM Xochimilco

### **026. AI, Cyborgs, Robots and Religion II**

*11:00 to 1:00 pm*

## WEDNESDAY

*Building A: A104*

Participants:

The Religion of Technology at the Grassroots *Jacob Boss*

Mechanisms of Becoming: A Discussion of the Magico-Religious Valences of Machine Intelligence and Technology *Damien Patrick Williams, University of North Carolina at Charlotte*

Discussant:

**Tristan Gohring**, Indiana University - Bloomington

Chair:

**William Barylo**, University of Warwick, UK

Session Organizer:

**W.E. King**, University of Washington

### **027. The Cold War, Leftist Internationalism, and Health**

*11:00 to 1:00 pm*

*Building A: A106*

Participants:

Alternative Knowledge Circulation: China, Leftist Internationalism and Learning Management of Health Statistics *Lu Chen, University of Exeter*

Radioisotope Itineraries and Nuclear Medicine between Socialist and Third World Countries *Gisela Mateos, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM; Edna María Suárez Díaz, Profesora-investigadora, Facultad de Ciencias, UNAM, Mexico.*

Solidarity in Medical Education: Creating Latin American Social Medicine *Sebastian Fonseca, University of Exeter*

Moral Governance and Women's Bodies from Left to Right, an Unexpected Alignment *Andrea Espinoza, King's College London*

Chair:

**Andrea Espinoza**, King's College London

Session Organizer:

**Edna Suárez-Díaz**, UNAM - México

### **028. Artificial Intelligence, Health and Knowledge: Data Infrastructures for the Life Itself I**

*11:00 to 1:00 pm*

*Building A: A110*

Participants:

Digitizing, Translating and Explaining Activity: Ethnographic Insights on a Machine Learning Based Psychiatric Intervention *Ben Berners-Lee, University Of California San Diego*

The communication valence of transparency and explainability as principles in the ethical governance of health AI *Leslie Salgado, University of Calgary, Department of Communication, Media and Film*

the Digital health and rights: A participatory action research project *Javier Guerrero-C, Instituto Tecnológico Metropolitano; Natalia Nino-Machado,*

## WEDNESDAY

*Universidad de los Andes, Bogotá, Colombia; Catalina González, Universidad de los Andes*

Redressing past injustices and health disparities by actively engaging stakeholders into curation of AI/ML-ready datasets *Jean-Christophe Bélisle-Pipon, Simon Fraser University*

Chair:

**Michaela Th. Mayrhofer**, BBMRI-ERIC

Session Organizers:

**Mónica Cano Abadía**, BBMRI-ERIC

**Kaya Akyüz**, University of Vienna

### 029. Health Emergencies and Reconfigurations of Governance I: Authority, Science, and Policy

11:00 to 1:00 pm

Building A: A112

Participants:

Academic Sciences vs. Public Health Authorities. Models, Evidence and the Reconfiguration of Germany's Pandemic Response *Phillip H. Roth, RWTH Aachen University*

The Science Says: Performance, Mirages, and Demands of Scientific Authority in Crisis Policymaking *Eric B Kennedy, York University*

Making Mask-wearing Citizens in South Korea during the Covid-19 Pandemic

*Hawon Chang, Pusan National University; Sungook Hong, Seoul National University*

The clocks run slightly different. Clashing time-frames in COVID-19 health risk governance *Sabrina Huizenga, Erasmus University Rotterdam; Hester van de Bovenkamp, Erasmus University Rotterdam; Lieke Oldenhof, Erasmus University, Institute of Health Policy and Management; Roland Bal, Erasmus University Rotterdam*

Discussant:

**Steve G. Hoffman**, University of Toronto

Chair:

**Sabrina Huizenga**, Erasmus University Rotterdam

Session Organizer:

**Michael Rabi**, The Hebrew University of Jerusalem

### 030. Feminicide Data Activism

11:00 to 1:00 pm

Building A: A202

Presenters:

**Aimee Zambrano Ortiz**, Utopix—Monitor de Feminicidios

**Dawn Wilcox**, Women Count USA: Femicide Accountability Project

**Audrey Mugeni**, Counting Dead Women Kenya

**Kathomi Gatwiri**, Counting Dead Women Kenya

**Ivonne Ramírez**, Ellas Tienen Nombre

**Aleida Lujan Pinelo**, University of Turku

## WEDNESDAY

Chair:

**Saide Mobayed**, University of Cambridge

Session Organizer:

**Helena Suárez Val**, University of Warwick

### **031. Altering Food, Animals and Environment I**

*11:00 to 1:00 pm*

*Building A: A204*

Participants:

Green Gold - Ethnographic Engagements With Science On Living Cell Factories To Enable A Sustainable Future *Vibeke Pihl, Department of People and Technology, Roskilde University, Denmark*

Levaduras naturales y levaduras OGM en cerveza: emergencias inesperadas y contraditorias. *Santiago Kaderian, CONICET*

Making a Way: The Protected Space for Gene Edited Food in Japan *Tomiko Yamaguchi, International Christian University*

Maize agricultural research and its implications in the sociotechnical futures *Mariana Garcia, Wageningen University*

Perceiving One's Land - An Investigation Into The Relationship Between Market Gardeners And Their Soil *Lucile Wittersheim, Museum National d'Histoire Naturelle*

Whose Anthropocene? Whose sustainability *Clemet Askheim, University of Oslo*

Chair:

**Theresa Selfa**, SUNY ESF Environmental Studies

Session Organizer:

**Tomiko Yamaguchi**, International Christian University

### **032. Antibiotic trajectories: exploring global connections of antibiotic production and distribution II**

*11:00 to 1:00 pm*

*Building A: A205*

Participants:

Virtual antibiotic trajectories: performing control through documenting practices in a hospital antibiotic stewardship team in Spain *Cristina Moreno Lozano, University of Edinburgh*

Antibiotics On And Off Tracks In Rural Tanzanian Health Facilities *Sine Grude, University of Oslo*

Possibilities and Limitations of Regulating the Informal Antibiotic Trajectories in a Refugee Camp in Lebanon *Amanda Hylland Spjeldnæs, Institute of health and society, University of Oslo*

Chair:

**Anne Lie**, University of Oslo

Session Organizers:

**Heidi E. Fjeld**, University of Oslo

**Mingyuan Zhang**, University of Oslo

## WEDNESDAY

### 033. Automated Progress? Questioning Techno-optimistic Projections For Automation and the Future of Work II

11:00 to 1:00 pm

Building B: B102

Participants:

Between The Forms And Fantasies of Food Supply Chain Governance:

Examining The Utopian Imaginaries of Blockchain *Anubha Singh, University of Michigan - School of Information*

Constraining the Scope of Automation One Samosa at a Time *Barkha Satish Kagliwal, Cornell University, Department of S&TS*

La Era Digital y sus Implicaciones Socioeconómicas en un entorno de Desigualdad Digital *Michelle Chauvet, Universidad Autónoma Metropolitana-Azcapotzalco, México; Evelia Oble, Universidad Autónoma Metropolitana Azcapotzalco*

Čapek at the Coffee House: Performances of Artificial Intelligence in the Service Industry *Mathew Iantorno, Faculty of Information, University of Toronto*

Chair:

**Michelle Chauvet**, Universidad Autónoma Metropolitana-Azcapotzalco, México

Session Organizers:

**Patrick Baur**, University of Rhode Island

**Alastair Iles**, UC Berkeley

### 034. Beyond Technoscientific Utopias/Dystopias II

11:00 to 1:00 pm

Building B: B103

Participants:

Challenging the Politics of Categories: Towards A New Grammar of Content Policy in the Metaverse *Kyooeun Jang, USC Annenberg*

Examining The Interplay Of Technological Futures, Science Fiction and Utopian Thinking *Andreas Metzner-Szigeth, Free University of Bolzano*

Ways of futuring: Practices to overcome dichotomies in Latin American Futurisms *Martin Andrés Perez Comisso*

Acting Out Futures: Fostering Action, Communication, and Community in a Rural, Agricultural Area *Wyatt Galusky, Hamilton College; Wyatt Galusky, SUNY College Of Ag & Tech, At Morrisville*

Chair:

**Martin Andrés Perez Comisso**

Session Organizer:

**Martin Andrés Perez Comisso**

### 035. Co-Construction of Data and Communities as Forms of Life II

11:00 to 1:00 pm

Building B: B105

Participants:

Indigenous Knowledges Meet Internet Infrastructure: A Design Justice Approach *Fernanda R. Rosa, Virginia Tech*

## WEDNESDAY

Interrogating Community Alignment in Demographic Data Collection and Use for Algorithmic Fairness *McKane Andrus, Human Centered Design & Engineering (HCDE), University of Washington; Sarah Villeneuve, Partnership on AI*

La Construcción De Datos Como Resultados De Acuerdos Y Compromisos Para Pensar Proyectos De Energías Alternativas: El Caso De Soluciones De Energía En La Comunidad Wayú En La Guajira Colombiana *JAVIER JIMENEZ, CTS-Lab FLACSO / Divergence; MONICA BUSTAMANTE, CTS-Lab FLACSO / Divergence*

¿Qué datos queremos las mujeres? *Kemly Camacho, Coop Sulá Batsú*

Chair:

*juan carlos moreno, Santo Tomas University*

Session Organizer:

*Jorge Rojas-Alvarez, University of Illinois at Urbana-Champaign*

### **036. Caring Futures: Assembling Imaginaries, Embodiments and Practices in Sociotechnical Systems of Care**

*11:00 to 1:00 pm*

*Building B: B108*

Participants:

Whose Care are We Talking About? *Isabel García Velázquez, Department of Thematic Studies - Tema Genus, Linköping University*

What Does it Take for Prostheses to be Technologies of Care? *Lucie Dalibert, University Claude Bernard Lyon 1; Valentine Gourinat, University Claude Bernard Lyon 1; Paul-Fabien Groud, University Claude Bernard Lyon 1*

Re-Imagining AI-Assisted Care Through Design *Pedro Sanches, Umeå University; Irene Kaklopoulou, Umeå University*

The Changing Landscape of Care Work in Health in the Global South *Naveena Karusala*

Conversational AI as a Caregiver Companion *Semahat Ece Elbeyi, University of Copenhagen*

Chair:

*Isabel García Velázquez, Department of Thematic Studies - Tema Genus, Linköping University*

Session Organizer:

*Isabel García Velázquez, Department of Thematic Studies - Tema Genus, Linköping University*

### **037. Teaching, Research and Extension for Dialogic (re)Constructions Between Universities and Peripheries II**

*11:00 to 1:00 pm*

*Building C: C105*

Participants:

Confluências E Divergências Entre O Design Participativo E A Tecnologia Social *Francisco Javier Díaz Uzcategui, Universidade Tecnológica Federal do Paraná - UTFPR; Leonelo Dell Anhol Almeida, Universidade Tecnológica Federal do*

## WEDNESDAY

*Paraná - UTFPR*

Critical Reflection on Academic Extension *Melissa Bertolini Rodrigues, Universidade Tecnológica Federal do Paraná; Francis Kanashiro Meneghetti, Universidade Tecnológica Federal do Paraná; Márcia Jakeline de Almeida, UTFPR/PPGTE; Luís Marcelo Bessa Maretti, UTFPR/PPGTE*

Crítica prática e educação científica : contribuições a partir do método dialético  
*Thiago Augusto Moreira Toniolo, Bairro Alto; Marcelo Lambach, UTFPR Universidade Tecnológica Federal do Paraná*

Observatório de Políticas Públicas *Oswaldo Gonçalves Junior, Unicamp; Juliana Pires de Arruda Leite, UNICAMP; Paulo Van Noije, UNICAMP; Rodrigo Ribeiro de Souza, UNICAMP*

Uma Análise Sobre a Lei da Curricularização da Extensão Considerando a Perspectiva CTS *Frederico Severo Miranda; Marília Abrahão Amaral, Universidade Tecnológica Federal do Paraná - UTFPR*

Chair:

**Bernardo Alves Villarinho Lima**, Universidade Tecnológica Federal do Paraná

Session Organizers:

**Bernardo Alves Villarinho Lima**, Universidade Tecnológica Federal do Paraná

**Luana Las Schaab**, Universidade Tecnológica Federal do Paraná

**Yuri Gabriel Campagnaro**, Universidade Tecnológica Federal do Paraná

**Rafaela Mota Ardigó**, Universidade Tecnológica Federal do Paraná

### 038. Universities recuperating during environmental, health, and social crises

11:00 to 1:00 pm

Building C: C108

Participants:

Reflexivity, Epistemology, and Patchwork Remedies at University and K-12 Schools during the Pandemic *Fred Ariel Hernandez, University of California - Irvine; Nadine Tanio, University of California, Irvine*

Speech trouble. The policing of academic talk *Knut H Sørensen, NTNU Norwegian University of Science and Technology*

The impacts of the COVID-19 pandemic on university–community engagement  
*Evandro Cristofoletti, University of Campinas (Unicamp); Romulo Pinheiro, University of Agder*

Can epistemic injustice explain universities' current crisis strategies? *Sharon Traweek, UCLA*

Time to recuperate? The temporalities of academic work under lockdown  
*Martin Oliver, UCL Institute of Education*

Reflections on The Construction of University of Science and Technology for The Aged under The Background of Actively Coping with Population Ageing  
*Xiao Ma*

Discussant:

**Joan FUJIMURA**, University Of Wisconsin-Madison

Chair:

**Sharon Traweek**, UCLA

## WEDNESDAY

Session Organizers:

**Sharon Traweek**, UCLA

**Knut H Sørensen**, NTNU Norwegian University of Science and Technology

### **039. Art, Science, and Technology Studies**

11:00 to 1:00 pm

Building C: C110

Participants:

Book 1: Routledge Handbook of Art, Science, and Technology Studies, Edited by Hannah Star Rogers, Megan K Halpern, Dehlia Hannah, Kathryn de Ridder-Vignone (Routledge 2021) *Megan Halpern, Michigan State University*

Book 2: Art, Science, and the Politics of Knowledge, By Hannah Star Rogers (MIT Press 2022) *Hannah Star Rogers, Science, Technology and Innovation Studies, The University of Edinburgh*

Book 3: Bauhaus Futures, Edited by Laura Forlano, Molly Wright Steenson and Mike Ananny (MIT Press 2019) *Laura Forlano, Illinois Institute of Technology*

Book 4: Sensing Machines How Sensors Shape Our Everyday Life (MIT Press 2022) *Chris Salter, Concordia University*

Discussants:

**Kathryn de Ridder-Vignone**, South Carolina Governor's School for Science & Mathematics

**Lissette Lorenz**, Cornell University

Chair:

**Hannah Star Rogers**, Science, Technology and Innovation Studies, The University of Edinburgh

Session Organizer:

**Hannah Star Rogers**, Science, Technology and Innovation Studies, The University of Edinburgh

### **040. Technology Sovereignty in Food and Agriculture: TS, open source, tech assessment**

11:00 to 1:00 pm

Building C: C204

Participants:

Agronanotecnología, soberanía alimentaria y emergencia de políticas científicas postneoliberales en México Mónica Anzaldo, CONACYT-COLSAN

Imaginário sociotécnico, soberania tecnológica e cultivos de erva-mate no estado do Paraná, Brasil Ricardo Gomes Luiz, Universidade Tecnológica Federal do Paraná - UTFPR; Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná

Technology Sovereignty in Food and Agriculture Barbara Van Dyck, Centre for Agroecology, Water and Resilience, Coventry University; Maywa Montenegro de Wit, University of California - Santa Cruz

Participatory Agroecological Assessment using Community-Based Technologies Dana James, University of British Columbia; Hannah Wittman, University of British Columbia

## WEDNESDAY

Can Agroecology and CRISPR mix? The Politics of Complementarity and Moving Toward Technology Sovereignty *Maywa Montenegro de Wit, University of California - Santa Cruz*

Chair:

**Barbara Van Dyck**, Centre for Agroecology, Water and Resilience, Coventry University

Session Organizers:

**Barbara Van Dyck**, Centre for Agroecology, Water and Resilience, Coventry University

**Maywa Montenegro de Wit**, University of California - Santa Cruz

### **041. Author-Meets-Critics: "Viral Cultures" by Marika Cifor and "The Distance Cure" by Hannah Zeavin**

*11:00 to 1:00 pm*

*Building C: C210*

Participant:

Viral Cultures: Activist Archiving in the Age of AIDS *Marika Cifor, The Information School, University of Washington*

Discussants:

**Hil Malatino**, Penn State University

**Emily Lim Rogers**, Brown University

**Nanna Bonde Thylstrup**, Copenhagen Business School

Chair:

**Patricia Garcia**, School of Information, University of Michigan

Session Organizer:

**Marika Cifor**, The Information School, University of Washington

### **042. Datification and data platforms II**

*11:00 to 1:00 pm*

*Building D: D105*

Participants:

Las condiciones de trabajo de los conductores de transporte de pasajero de plataforma. El caso de los conductores de Puebla. *Juan Reyes, Benemérita Universidad Autónoma de Puebla*

Towards A Critical Use of Internet Platforms in the Climate Movement *Patricia Daniela Reyes Benavides, University of Twente*

The Exclusions of Connection, or, What's Not in the Data Relations of Logistical Capitalism *Prem Xavier Sylvester, Simon Fraser University*

Territories of data: ontological divergences in the growth of data infrastructure *Sebastián Lehuedé, University of Cambridge*

Chair:

**Patricia Daniela Reyes Benavides**, University of Twente

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **043. Politics, data, and technologies**

## WEDNESDAY

11:00 to 1:00 pm

Building D: D108

Participants:

Content recommendation algorithms, digital subjectivity and the racialized politics of spectacle on social media platforms. *Seyi Olojo, University of California, Berkeley*

El Papel De Los Dispositivos Técnico-jurídico En La Disputa Por El Acceso A Tierra En Colombia: Etnografía Institucional En El INCODER *Sergio Latorre, Universidad del Norte*

Fortune-Telling Algorithm: How Asian Folk Religion Is Turned into a Psychological Test *In Kim, Seoul National University, Republic of Korea*

Informational Power and AI: Folding, Derivatives, and Time *Sandra Braman, Texas A&M University*

Get my face out of your sight: the growing Brazilian movement for a facial recognition ban *Luã Cruz, University of Campinas*

Chair:

**Sergio Latorre**, Universidad del Norte

Session Organizer:

**Seyi Olojo**, University of California, Berkeley

### 044. Socio-cultural dimensions of AI II

11:00 to 1:00 pm

Building D: D202

Participants:

Influenciadores Mirins No Brasil: Uma Subjetividade-Modelo Produzida Para Produzir Dados Desde O Sul-Global *Veridiana Zurita, Federal University of ABC; Claudio Penteado, Federal University of ABC*

Inteligência Artificial e Processamento de Linguagem Natural no Exército Brasileiro: Análise do Chatbot "Cabo Max" *Isabella Vicari, Universidade Federal de São Carlos - UFSCar; Sylvia Iasulaitis, Universidade Federal de São Carlos (UFSCar)*

Lifelong learning in the age of AI: enactments in policies and education *Lina Rahm, Division of History of Science, Technology and Environment, KTH Royal Institute of Technology*

Visual Perception and Power: Non-Hegemonic Ways of Seeing with AI *Chrys Vilvang, Concordia University (Montreal, CANADA)*

Passing for Human: From the Social Other to Artificial Intelligence *Ritwik Banerji, Iowa State University*

Chair:

**Chrys Vilvang**, Concordia University (Montreal, CANADA)

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 045. The Promise of Multispecies Justice Reception

11:00 to 2:00 pm

Building G: G007-008

## WEDNESDAY

Chair:

**Eben Kirksey**, Deakin University

Session Organizer:

**Eben Kirksey**, Deakin University

### **046. Tapuya's Hebe Vessuri Lecture**

*1:00 to 2:00 pm*

*Building A: A202*

Chair:

**Leandro Rodriguez Medina**, Universidad Autonoma Metropolitana-Azcapotzalco

Session Organizers:

**Luisa Fernanda Grijalva Maza**, International Relations Department, UPAEP

Universidad

**Vivette Garcia Deister**, UNAM

### **047. América Latina ¿viajará a las estrellas? I**

*2:00 to 4:00 pm*

*Building A: A004*

Participants:

A Satellite for Colombia: Between political ups and downs, and market failures.

The CONPES 3983 document.. *Héctor Javier Hernández Moreno, Universidad Nacional de Quilmes*

Cabo Tuna: Hacia un programa espacial mexicano *Jose Luis Arauz-Lara, Universidad Autonoma de San Luis Potosi; Gerardo Saucedo-Zarate, Instituto Mexicano del Espacio Ultraterrestre, A.C., San Luis Potosi, S.L.P., Mexico; Refugio Martinez-Mendoza, Universidad Autonoma de San Luis Potosi; Angel de la Cruz-Mendoza, Universidad Autonoma de San Luis Potosi; Emmanuel Vazquez-Martinez, Universidad Autonoma de San Luis Potosi*

Ecuador ¿Mira al espacio? *Vanessa Páez, Escuela Politécnica Nacional*

Capacidades, voluntades e incertidumbres: perspectivas de la Agencia Latinoamericana y Caribeña del Espacio *Daniel Vizuete, FLACSO Ecuador*

Chair:

**Vanessa Páez**, Escuela Politécnica Nacional

Session Organizer:

**Vanessa Páez**, Escuela Politécnica Nacional

### **048. Contemporary issues of Contagion without Infection**

*2:00 to 4:00 pm*

*Building A: A012*

Participants:

The Specter of the Transgender Epidemic *Ketil Slagstad*

Categorizing Harm: Post-Intensive Care Syndrome and the Epidemiology of Diseases of Medical Progress. *Angela Ross Perfetti, The University of Pennsylvania*

Epidemiography: Studying Urban Mental Health Risks Based On Observatory Data *Patrick Bieler, Humboldt-Universität zu Berlin*

## WEDNESDAY

The emerging epidemic of chronic inflammation *Amy McLennan, The Australian National University*

Chair:

**Amy McLennan**, The Australian National University

Session Organizer:

**Lukas Engelmann**, University of Edinburgh

### **049. Environmental Injustice: Building a Global Record I**

2:00 to 4:00 pm

Building A: A104

Participants:

Understanding Petrochemical Harm: A Collaborative Ethnography of Kaohsiung, Taiwan *Wen-Ling Tu, 復興南路一段135巷27號3F-3; Chia-Liang Shih, National Chengchi University*

Making the Environmental Justice Community: Articulating Local Air Pollution Knowledges in Santa Ana, California *Jose Rea, Madison Park Neighborhood Association (MPNA-GREEN), Santa Ana; Kathryn Cox, Leonel Flores, Madison Park Neighborhood Association (MPNA-GREEN), Santa Ana; Taina Miranda Araujo, University of California, Irvine; Aiden Lee Brown, University of California, Irvine; Karishma Kumari Khanal, University of California, Irvine*

Living with, against, and well beyond environmental injustice in Sampson County, North Carolina (USA) *Rebecca Witter, Sustainable Development Department, Appalachian State University; Danielle Koonce, Sociology, University of Maryland; Dana E Powell, Appalachian State University*

Relays Toward Just Transition: Civic Science, Law and Archiving Vs. Formosa Plastics Corp. *Tim Schuetz, UC Irvine; Lauren Infantino, University of California, Irvine*

Discussant:

**Scott Knowles**, KAIST (Korea Advanced Institute of Science and Technology)

Chair:

**Tim Schuetz**, UC Irvine

Session Organizers:

**James Adams**, University of California, Irvine

**Tim Schuetz**, UC Irvine

**Kim Fortun**, University of California Irvine

### **050. Circulation of knowledge and know-how on big data and artificial intelligence in the global South**

2:00 to 4:00 pm

Building A: A106

Participants:

Big data knowledge circulation in the Global South *Henry Chavez, CEPED - Paris Université Cité - IRD*

Posibilidades Críticas para la Academia en la Movilización de Tecnologías Inteligentes en Michoacán, México *Marisol Flores-Garrido, Universidad Nacional Autónoma de México; Luis Miguel García-Velázquez, ENES Morelia,*

## WEDNESDAY

*UNAM*

Uma Introdução das Tecnologias de Inteligência Artificial no Center Of Artificial Intelligence (USP/FAPESP/IBM) *Juliane Helanski Cardoso, Unicamp - Universidade Estadual De Campinas*

AI and big data: controversies between imaginaries, regulations and uses in the public sector *María Belén Albornoz, FLACSO Latin American Social Studies Faculty*

Big data, IA y Datos Públicos: una mirada etnográfica sobre las ciencia de datos en los organismos públicos latinamericanos *Bárbara Magalhaes de Aguiar Oliveira*

Session Organizers:

*Henry Chavez, CEPED - Paris Université Cité - IRD*

*María Belén Albornoz, FLACSO Latin American Social Studies Faculty*

### **051. Artificial Intelligence, Health and Knowledge: Data Infrastructures for the Life Itself II**

*2:00 to 4:00 pm*

*Building A: A110*

Participants:

AI to Improve Knowledge of Women's Bodies? (Digital) Health and the Promise of Period Tracking Apps *Cécile Thomé, Ined*

AI, Wellbeing and Social Value in Future Smart Environments *Lauren Withycombe Keeler, School for Future of Innovation in Society, Arizona State University; Luke Boyle, Arizona State University*

Patient Knowledge Digitized – Open-source Closed-loop Systems in Type 1 Diabetes Self-care And Practices Of Knowing in On- And Offline Patient Communities *Bianca Jansky, Ludwig-Maximilians-Universität Munich*

Tracing From Below: An Study Of Human Enrollment On Technologies Of Surveillance And Care *Camila Hidalgo, Technical University Munich (TUM)*

Chairs:

*Kaya Akyüz, University of Vienna*

*Mónica Cano Abadía, BBMRI-ERIC*

Session Organizer:

*Michaela Th. Mayrhofer, BBMRI-ERIC*

### **052. Health Emergencies and Reconfigurations of Governance III: Neoliberalism and Privatization**

*2:00 to 4:00 pm*

*Building A: A112*

Participants:

Philanthropic Politics: The Carlos Slim Foundation and COVID-19 Vaccination in Mexico *Emily Vasquez, University of Illinois at Chicago*

Digital Health driven by Neoliberalism as a catastrophic scenario *Marcelo Fornazin, Oswaldo Cruz Foundation - Fiocruz; Raquel Rachid, Oswaldo Cruz Foundation - Fiocruz*

Communities That Say They Care: Responsibility and the Pandemic University

## WEDNESDAY

*Elizabeth Dietz, Arizona State University*

Challenging Corporate Mentality in a COVID-19 Era-NHS: (Re)emergent Socialist Values and Healthcare Senior Management *Rebecca Melanie Irons, University College London*

Discussant:

**Natalia Nino-Machado**, Universidad de los Andes, Bogotá, Colombia

Chair:

**Rebecca Melanie Irons**, University College London

Session Organizer:

**Michael Rabi**, The Hebrew University of Jerusalem

### **053. Altering Food, Animals and Environment II**

*2:00 to 4:00 pm*

*Building A: A204*

Participants:

Analysis of the GeneConvene Global Collaborative's Discussion Panels on Stakeholder Engagement in Gene Drive Research *Jill Furgurson, North Carolina State University; Jason A. Delborne, North Carolina State University*

Comparing Gene Editing Sociotechnical Imaginaries around Agriculture and Food: New Zealand and the US *Theresa Selfa, SUNY ESF Environmental Studies; Sara Velardi, SUNY Binghamton; Silje Kristiansen, SUNY ESF*

Reconfiguring Genetic Engineering Technologies for Biodiversity Conservation *daphne esquivel-sada*

Salmon imaginaries: Factors that marshall and mediate genomic technologies to (re)construct nature *Valerie Berseth, Carleton University*

Addressing Biodiversity Dilemmas from a Gene Editing Perspective *patrice kohl, State University of New York College of Environmental Science and Forestry; Sainath Suryanarayanan, Holtz Center for Science & Technology Studies, University of Wisconsin-Madison*

Chair:

**patrice kohl**, State University of New York College of Environmental Science and Forestry

Session Organizer:

**Tomiko Yamaguchi**, International Christian University

### **054. Antibiotic trajectories: exploring global connections of antibiotic production and distribution III**

*2:00 to 4:00 pm*

*Building A: A205*

Participants:

Antibiotics in rivers: Following the trajectory of effluent limits on pharmaceutical wastewater in India *Lise Bjerke, University of Oslo*

Friend and Foe: India-China Trade Disputes on Penicillin and Cephalosporin APIs *Mingyuan Zhang, University of Oslo*

Experiments in Medical Sovereignty: Producing Therapy Between Export Economy and Domestic Industry in Highland Madagascar *Gabrielle Robbins,*

## WEDNESDAY

*MIT HASTS*

Chair:

***Heidi E. Fjeld***, University of Oslo

Session Organizers:

***Heidi E. Fjeld***, University of Oslo

***Mingyuan Zhang***, University of Oslo

### 055. Automated Progress? Questioning Techno-optimistic Projections For Automation and the Future of Work III

2:00 to 4:00 pm

Building B: B102

Participants:

Disentangling the future of jobs from the future of work imaginaries: skills, occupations, and education *Nicolás Didier, Arizona State University*

A Processual Approach to Deskilling/Reskilling in Digital Automation: Case of the Platform Economy in the Service Sector *Linzhou Xing, Georgia Institute of Technology*

Intelligent Systems, the Productivity Paradox, and the Shrinking Middle *Shiv Issar, University of Wisconsin - Milwaukee; Aneesh Aneesh, University Of Oregon*

Chair:

***Linzhou Xing***, Georgia Institute of Technology

Session Organizers:

***Patrick Baur***, University of Rhode Island

***Alastair Iles***, UC Berkeley

### 056. Beyond Technoscientific Utopias/Dystopias III

2:00 to 4:00 pm

Building B: B103

Participants:

Contexting crisis: crisis as a temporal phenomenon in Yachay the city of knowledge in Ecuador. *Jose David Gomez*

Do Something Real: Doubt and Aspirational Realism in Brazilian Climate Politics *Jonathan Wald, McGill University*

#FutureWow: Leveraging the Exhibitional Imaginaries of World Expos *Toby Shulruff, Arizona State University; Levi Wyman, Arizona State University*

Law and the Regulation of Traditional Medicine in Mauritius: Socio-technical futures and archipelago legalities *Nayeli Urquiza, University of Kent; Emilie Cloatre, Kent Law School, University of Kent*

Querying food futures: hunger, fantasy, and technoscience *Maggie Mang*

Chair:

***Maggie Mang***

Session Organizer:

***Dayna Leann Jeffrey***, Department of Science & Technology Studies, York University

## WEDNESDAY

### 057. Co-Construction of Data and Communities as Forms of Life III

2:00 to 4:00 pm

Building B: B105

Participants:

Beg Permission or Ask Forgiveness? Making Technologies Without Consent of the Governors. *Christopher Csikszentmihalyi, Cornell University; Marina Zafiris, Cornell University; Owen Marshall, Cornell S&TS and Information Science*

Co-designing information infrastructures for human crises *Jorge Rojas-Alvarez, University of Illinois at Urbana-Champaign*

Making Invisible, Visible: Surfacing Datawork by Health Workers within Public Health Information Systems in India *Pooja Chitre, Arizona State University; Kathleen H Pine, Arizona State University*

"Solidarity Not Charity!" Quantifying Trauma and the Potentials of Radical Trauma-informed Data and Care *Mary Ebeling, Drexel University; Dina Abdel Rahman, University of Pennsylvania*

Chair:

**Jorge Rojas-Alvarez**, University of Illinois at Urbana-Champaign

Session Organizers:

**Jorge Rojas-Alvarez**, University of Illinois at Urbana-Champaign

**juan carlos moreno**, Santo Tomas University

### 058. Teaching, Research and Extension for Dialogic (re)Constructions Between

#### Universities and Peripheries III

2:00 to 4:00 pm

Building C: C105

Participants:

Extensão Universitária E Covid-19: Experiências Das Incubadoras De Economia Solidária No Estado Do Paraná *Marilene Zazula Beatriz, Professora Doutora do Departamento Acadêmico de Filosofia e Ciências Humanas (DAFCH-UTFPR) e do Programa de Pós-Graduação em Tecnologia e Sociedade da Universidade Tecnológica Federal do Paraná - UTFPR - Campus Curitiba; Rayane Souza Costa, Universidade Tecnológica Federal do Paraná - UTFPR; Marcos Vinicius Regazzo, Universidade Tecnológica Federal do Paraná - UTFPR*

Handiness in the Borderland: Cultural Hybridization Of Digital Technologies In An Art/Education Event *Bianca Caroline Orsso, FEDERAL UNIVERSITY OF TECHNOLOGY – PARANÁ – BRAZIL; Mateus Filipe Lima Pelanda, UTFPR; Luiz Antonio Zahdi Salgado, UNESPAR*

Indicadores de Monitoramento e Avaliação de Impactos da Curricularização da Extensão: Contribuições da Teoria da Mudança *Ana Carolina Spatti, University of Campinas (Unicamp); Cibele Maria Garcia de Aguiar, Universidade Estadual de Campinas; Maria Cristina Raphael Vidrich, Universidade Estadual de Campinas; Andreas Karoly Gombert, Universidade Estadual de Campinas; Gian Formigone Santos, Universidade Estadual de Campinas; Marília Jesus Batista de Brito Mota, Faculdade de Medicina de Jundiaí; Monica Vannucci Nunes Lipay, Faculdade de Medicina de Jundiaí; Paula Homem de Mello, Universidade*

## WEDNESDAY

*Federal do ABC (UFABC)*

*Participação Crítico-Inclusiva: entre diálogos e tecnologias Leonelo Dell Anhol Almeida, Universidade Tecnológica Federal do Paraná - UTFPR; Marília Abrahão Amaral, Universidade Tecnológica Federal do Paraná - UTFPR*

*Ressignificando A Extensão Universitária A Partir Da Educação Popular: Curso De Cooperativismo Na Economia Solidária Marilene Zazula Beatriz, Professora Doutora do Departamento Acadêmico de Filosofia e Ciências Humanas (DAFCH-UTFPR) e do Programa de Pós-Graduação em Tecnologia e Sociedade da Universidade Tecnológica Federal do Paraná - UTFPR - Campus Curitiba; Rayane Souza Costa, Universidade Tecnológica Federal do Paraná - UTFPR; Marcos Vinicius Regazzo, Universidade Tecnológica Federal do Paraná - UTFPR*

*Uma Proposta de Projeto de Pesquisa: explorando a integração entre políticas públicas de inclusão social e projetos extensionistas de inclusão digital no contexto sulista brasileiro Andreia Jesus, Universidade Federal do Paraná; Marília Abrahão Amaral, Universidade Tecnológica Federal do Paraná - UTFPR*

Chair:

**Andreia Jesus**, Universidade Federal do Paraná

Session Organizers:

**Bernardo Alves Villarinho Lima**, Universidade Tecnológica Federal do Paraná

**Luana Las Schaab**, Universidade Tecnológica Federal do Paraná

**Yuri Gabriel Campagnaro**, Universidade Tecnológica Federal do Paraná

**Rafaela Mota Ardigó**, Universidade Tecnológica Federal do Paraná

### **059. Not Returning To Normal: Examining and Contesting Power in the COVID-19 Era I**

*2:00 to 4:00 pm*

*Building C: C110*

Participants:

*Post-pandemic Science & Technology Education: Disaster-induced Ecojustice John Lawrence Bencze, Ontario Institute for Studies in Education, University of Toronto; Lyn Carter, Australian Catholic University, Melbourne, VIC, Australia; Isabel Martins, Federal University of Rio de Janeiro*

*Whose Normal? Crisis as Opportunity for Questioning Privilege Rouhollah Aghasaleh, California State Polytechnic University, Humboldt*

*Prácticas activistas de la academia en la universidad neoliberal chilena Claudio Broitman Rojas, Universidad Andrés Bello; Carla Fardella, Universidad Andrés Bello*

*How vaccine politics highlight the essential relationship between science, power, and subjectivity Jesse Bazzul, University of Regina*

*Reflections towards A Pedagogy of Clinical Labor and the COVID-19 Interregnum Matthew Weinstein, Univ. Of Washington-Tacoma*

Chair:

**Rouhollah Aghasaleh**, California State Polytechnic University, Humboldt

Session Organizer:

## WEDNESDAY

**Matthew Weinstein**, Univ. Of Washington-Tacoma

### **060. Technology Sovereignty in Food and Agriculture : labor, social movements**

*2:00 to 4:00 pm*

*Building C: C204*

Participants:

Architects Of Abundance: The Role of Indigenous Agricultural Calendars in the Indigenous Food Sovereignty Movement. *Mariaelena Huambachano, Syracuse University*

Emerging Agritechologies for Migrant Farm Workers in Canada: Assessing Labour Impacts and Expert Knowledges Lost in Transnational Translation *Olivia Doggett, Faculty of Information, University of Toronto*

Repossession, Commonization, Community Seed Banks in India *Sambit Mallick, Indian Institute of Technology Guwahati*

Chair:

**Maywa Montenegro de Wit**, University of California - Santa Cruz

Session Organizers:

**Barbara Van Dyck**, Centre for Agroecology, Water and Resilience, Coventry University

**Maywa Montenegro de Wit**, University of California - Santa Cruz

### **061. AI and inequalities in medicine and health care: global perspectives**

*2:00 to 4:00 pm*

*Building C: C207*

Participants:

Artificial Intelligence and Machine Learning in Functional Medicine *Rosalynn A Vega, UTRGV*

Computer Aided detection (CAD) for tuberculosis: equity issues in the regulation of moving objects in the context of global health. *Julien Onno, University of Montreal; Pierre-Marie David, Université de Montréal; Faiz Ahmad Khan, University McGill*

Taking stock of what we are currently thinking: A systematic literature review on decolonial computing practices on AI in healthcare *M J Hunter Brueggemann, University of the Arts London; Victoria Neumann, Lancaster University; Soraya Kouadri, The Open University; Syed Mustafa Ali, The Open University*

Health for All? WHO and the State Governance of Bionationalism in Taiwan and Global Contexts *Yu-yueh Tsai, Institute of Sociology, Academia Sinica*

Chair:

**M J Hunter Brueggemann**, University of the Arts London

Session Organizer:

**Achim Rosemann**, De Montfort University, UK

### **062. Open Hardware: Perspectives on Open Science Beyond Access to Data and Publications**

*2:00 to 4:00 pm*

*Building C: C210*

## WEDNESDAY

### Participants:

Can communities produce complex technology? Looking into Space for insight  
*Lucas Lemos, Tallinn University of Technology; Christos Giotitsas, Tallinn University of Technology*

Open Science Hardware and Public Policy: From Technology to Transforming Science *Shannon Dosemagen, Open Environmental Data Project*

Taming and Negotiating the Decentralisation of Internet of Things Networks  
*Andrés Domínguez Hernández, University of Bristol*

An Empirical Assessment of the Evolution of Open Hardware Documentation Practices in the Academic Community *Andre Maia Chagas, University of Sussex*

Open Infrastructure for Global Biomedical Research *Martin-Immanuel Bittner, Young Academy of the German National Academy of Sciences*

Planning Times: Forecasting Future Access in Scientific Data Practices *Sarika Sharma, University of Texas-Austin; Yubing Tian, University of Washington-Seattle; Megan Finn, University of Washington; Amelia Acker, The University of Texas at Austin*

### Discussant:

**Mariano Fressoli**, Centro de Investigaciones para la Transformación (CENIT-UNSAM)

### Chair:

**Shannon Dosemagen**, Open Environmental Data Project

### Session Organizer:

**Julietta Arancio**, Drexel University Center for Science, Technology & Society

## 063. Alternative Sociotechnical infrastructures II

2:00 to 4:00 pm

Building D: D102

### Participants:

Social memory infrastructures: exploring the role of socio-technical affordances in shaping social memories of violence *Allan A Martell; Fatima Espinoza Vasquez, University Of Kentucky*

Source Code As Learning Infrastructure: Python's Turtle Module *Elliott Hauser, The University of Texas at Austin; Amelia Acker, The University of Texas at Austin*

Stored in Plain Sight: A History of the Inventory *Martin Giraudeau, Sciences Po; Zsuzsanna Varga, ESCP Business School*

Eco-critical Code Studies: Reconfigurations of nature in the born-digital artifact "Colossal Cave Adventure" from text to VR *Dennis Jerz, Seton Hill University*

### Chair:

**Zsuzsanna Varga**, ESCP Business School

### Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 064. Sociotechnical dimensions of markets

2:00 to 4:00 pm

## WEDNESDAY

*Building D: D202*

Participants:

Big Tech's Financial Structures—Where to Begin, Where to End? *Allegra Fonda-Bonardi, University of Michigan School of Information*

Equitable Entanglements: Science, New Markets, and Social Justice for Marijuana *Melissa Creary, University of Michigan, School of Public Health; Katherine M Hendy, University of Michigan*

Formación de mercados para cadenas cortas agroalimentarias en un contexto de innovación social transformadora *Garrido Garza Francisco, INRAE / LISIS; Douglas Robinson, CNRS/LISIS*

Inclusión de habilidades digitales en las ofertas laborales en México *Rocio Aguilar Trujillo*

Supply Chains for the Long Crisis: Critical Dissociation and Alternative Materiality in Grassroots Mutual Aid Projects in California *Margaret Sue Davis, University of Southern California*

Chair:

**Melissa Creary**, University of Michigan, School of Public Health

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **065. América Latina ¿viajará a las estrellas? II**

4:30 to 6:30 pm

*Building A: A004*

Participants:

El desarrollo tecno-productivo argentino del sector espacial en el marco de las dinámicas de la industria satelital internacional (2008-2021). *Mariana Versino; Eliana Angela Fernández Massi, CEUR-CONICET*

Nación Cósmica. La Comisión Nacional del Espacio Exterior y la Diplomacia Científica Mexicana, 1962-1977 *Gloria Maritza Gomez Revuelta, El Colegio de Mexico*

Towards a Mexican astronoetics: Cosmopolitics and Cosmopoetics from the Margins *Anne Warren Johnson, Universidad Iberoamericana Cuidad de Mexico*

Chair:

**Anne Warren Johnson**, Universidad Iberoamericana Cuidad de Mexico

Session Organizer:

**Daniel Vizuete**, FLACSO Ecuador

### **066. Ecosistemas Abiertos de Aprendizaje, Innovación y Emprendimiento**

4:30 to 6:30 pm

*Building A: A008*

Participants:

Cooperación entre instituciones de educación superior para la transferencia del conocimiento y la tecnología en Querétaro *Raúl Arturo Alvarado-López, Cátedras CONACYT/UAQ; Alberto de Jesús Pastrana-Palma, Universidad Autónoma de Querétaro*

## WEDNESDAY

Makerspaces: Inovação e Aprendizagem *Shana Gonçalves Oliveira, UTFPR / PPGTE; Silvestre Labiak JR., UTFPR / PPGTE*

Política de Innovación en la industria metalmecánica de Ecuador. *Anderson Argothy, Universidad Técnica de Ambato*

Chair:

**Anderson Argothy**, Universidad Técnica de Ambato

Session Organizer:

**Silvestre Labiak JR.**, UTFPR / PPGTE

### 067. ForeSTS

4:30 to 6:30 pm

Building A: A012

Participants:

Carbon Workers and the Smart Forest *Jennifer Gabrys, University of Cambridge*

Valuation conflicts: gold mining and timber logging in French Guiana's tropical forests *Nassima Abdelghafour, Ecole Nationale Supérieure des Mines de Paris; Liliana Doganova, Mines ParisTech; Brice Laurent, ARMINES*

How long lived trees challenge us to think of other futures *Andrew S. Mathews, UC Santa Cruz*

Blazing trees to adapt forests to the Anthropocene: the performance of a controversy *Charlotte Glinel, CNRS - Centre de Sociologie des Organisations*

What is a forest worth? The future as a temporal and political domain *Liliana Doganova, Mines ParisTech*

Unpacking Forest Certification: the scope and limitations of market-driven private governance for sustainable forestry in Chile *Tomas Undurraga, Universidad Alberto Hurtado*

Discussant:

**Vera Ehrenstein**, EHESS - Centre d'Etude des Mouvements Sociaux

Chair:

**Charlotte Glinel**, CNRS - Centre de Sociologie des Organisations

Session Organizers:

**Liliana Doganova**, Mines ParisTech

**Brice Laurent**, ARMINES

### 068. Environmental Injustice: Building a Global Record II

4:30 to 6:30 pm

Building A: A104

Participants:

Local resistance against industrial (toxic) waste dumps and citizen research practices in the Middle German Chemical Triangle *Philipp Baum, MLU Halle*

Remembering, Restoring, and Re-story-ing in the Remedial Project Management of Ecological "Sacrifice Zones" near Red Water Pond Road Community, Navajo Nation (Diné Bikéyah) *Thomas De Pree, University of New Mexico Health Sciences Center*

Scales of Data: Mapping and Communicating Environmental HazardsScales of

## WEDNESDAY

Data: Mapping and Communicating Environmental Hazards *Fred Ariel Hernandez, University of California - Irvine; Maragret Tebbe, University of California, Irvine*

Bunun Trailmaking as Environmental Justice Knowledge-Practice: Critical Walking Modalities to "Pay Respect to Mountains and Seas" *Dana E Powell, Appalachian State University; Ying-Tzu Ena Chang, Academia Sinica, Taiwan; Tana Takisvilainan, Bunun Patas Mountaineering Association | National Dong Hwa University; Abus Cheng Yi Cheng Yi Chun Istasipal, Bunun Patas Mountaineering Association| National Dong Hwa University*

En/Countering Petro-racial Capitalism: A Transversal Approach to Just Energy Transition in Austin, Texas *James Adams, University of California, Irvine*

Discussant:

**Michael M.J. Fischer**, MIT HASTS

Chair:

**Dana E Powell**, Appalachian State University

Session Organizers:

**Tim Schuetz**, UC Irvine

**Kim Fortun**, University of California Irvine

### **069. Metaphors as Meaning and Method in Technoculture**

4:30 to 6:30 pm

Building A: A110

Presenters:

**Juan Llamas-Rodriguez**, Annenberg School for Communication, University of Pennsylvania

**Loren Britton**, Independent Artist & Researcher, MELT

**Sophia Jaworski**, University of Toronto

Chairs:

**Sarah Blacker**, York University

**Marika Cifor**, The Information School, University of Washington

Session Organizers:

**Jas Rault**, University of Toronto

**T.L. Cowan**, University of Toronto

### **070. Health Emergencies and Reconfigurations of Governance II: Learning in and from Emergency**

4:30 to 6:30 pm

Building A: A112

Participants:

Japan's Covid-19 Governance: Legacies of Fukushima and Towards New Visions of Expertise *Kyoko Sato, Stanford University; Kohta Juraku, Tokyo Denki University; Mikihito Tanaka, Waseda University*

Learnings and perceptions of mission-oriented scientific policy (M-OP) instrument in the chilean innovation systems to respond to the COVID-19 pandemic emergency. *Jorge Manuel Vielma Salazar, School of Science, Universidad de Chile*

## WEDNESDAY

Rules for Operating at Warp Speed *Amanda j Arnold, SFIS - Arizona State University*

Institutional Coordination and Uncertainty: Understanding the Mexican Police Response to COVID-19 *Adina Radosh Sverdlin, University of Toronto*

Chair:

**Adina Radosh Sverdlin**, University of Toronto

Session Organizer:

**Michael Rabi**, The Hebrew University of Jerusalem

### **071. Molecular Anthropologies: Exploring the Relations that Animate Cellular Lives**

4:30 to 6:30 pm

*Building A: A202*

Participants:

Method and theory otherwise: envisioning a critical molecular archaeology  
*Samantha M Archer, University of Connecticut*

"That's a beautiful embryo:" Exploring the Lives of Reproductive Cells,  
Embryologists, and Molecular Relations of Care in the Fertility Lab *Manon Lefevre, Yale University*

Mapping molecules: reconfiguring population-wide genetic studies in South Asia *Urvi Kaul, University of Connecticut*

Chair:

**Urvi Kaul**, University of Connecticut

Session Organizer:

**Manon Lefevre**, Yale University

### **072. (New) Territories of Ignorance: what do ignorance studies ignore? II**

4:30 to 6:30 pm

*Building A: A204*

Participants:

Sociospatialities of Ignorance: On the Interscalings of Hyperlocal Data in Environmental Governance *Akshita Sivakumar, University of California at San Diego*

Who Knows The Underground? Dynamics Of Knowledge And Nonknowledge Production To Look At Power *Julianna Colonna Valevski Cardial, University of Pau*

Widening the focus of ignorance studies *Maël Goumri, CERMES3 INSERM U988; Laura Barbier, CERMES3; Lisa Claussmann, Université Paris Cité, CERMES3; Justyna Moizard-Lanvin, Université Paris Cité / Cermes3*

Knowledge Around Air Pollution In India And Ghana: State Denial And The Search For National Science *Jessica Pourraz, Centre Population et Développement (CEPED) Université Gustave Eiffel, Institut Francilien Recherche Innovation en Société, LabEx SITES*

Chair:

**Laura Barbier**, CERMES3

Session Organizers:

**Lisa Claussmann**, Université Paris Cité, CERMES3

## WEDNESDAY

**Maël Goumri**, CERMES3 INSERM U988

**Justyna Moizard-Lanvin**, Université Paris Cité / Cermes3

### **073. Post-truth in Latin American contexts**

*4:30 to 6:30 pm*

*Building C: C105*

Participants:

The military and the environmental science-policy interface in the Brazilian Amazon: from the military regime to Bolsonaro *Raoni Rajão, Federal University of Minas Gerais (UFMG)*

Reflections on post-truth based on case-studies carried out in Brazil *Tiago Ribeiro Duarte, University of Brasília*

Populism and the simulation of scientific input in policymaking: the Mexican 'Mayan' train case *Luis Ignacio Reyes-Galindo*

Chair:

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

Session Organizer:

**Luis Ignacio Reyes-Galindo**

### **074. Not Returning To Normal: Examining and Contesting Power in the COVID-19 Era II**

*4:30 to 6:30 pm*

*Building C: C110*

Participants:

Learning Viruses during and after COVID-19 through feminist critical science literacy *Sara Beth Giordano, Kennesaw State University; Angela Willey, University of Massachusetts, Amherst*

Science education through evidence-based thinking citizens. Insights and experiences from Chile. *Patricia López Stewart*

Covid 19 in Brazil: controversies and politics of expertise *Marko Alves Monteiro, State University of Campinas - UNICAMP*

The Limits and Contradictions of Scientific Literacy: The Case of the Peruvian Government's COVID Strategy *Rogelio Scott Insua, Cornell University*

Chair:

**Rogelio Scott Insua**, Cornell University

Session Organizer:

**Patricia López Stewart**

### **075. Art and Science**

*4:30 to 6:30 pm*

*Building D: D102*

Participants:

Abordajes Artes-Ciencias Para La Educación y Pensamiento Ambiental: Recorridos Desde Proyecto Rumia *Gabriela Klier, Universidad Nacional de Río Negro; Juan Francisco De Rosa, Universidad Nacional de Río Negro*

Engaging Science Audiences through Music. Representations of Physics

## WEDNESDAY

Themes in Hip Hop *Mircea Sava, University of Bucharest*

La ciencia ficción como distinción entre ciencia y ficción extra científica *Anibal Hernan Corrales Castillo*

Measuring the Immeasurable: Creative Practice, Imagination and the Evaluation of Possibility *Ann Light, University of Sussex; Lara Houston, University of Sussex*

Práticas pedagógicas para a ERER no ensino de artes na perspectiva do letramento étnico-racial *Lívia weyl Costa*

Chair:

**Andrea Kominek**, UTFPR

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 076. Politics of biotechnology and biomedicine II

4:30 to 6:30 pm

Building D: D108

Participants:

Industrial Politics: Framings of responsibility in the UK biotech industry *Achim Rosemann, De Montfort University, UK*

Leveraging Evidence of Harm: The Role of Epigenetic Science in Social Justice  
*Fionna F Fahey, California Polytechnic State University, San Luis Obispo; Robbin Jeffries, Cal Poly Corp; Martine Lappe, California Polytechnic State University, San Luis Obispo*

The racial-colonial legacy of "caste" and its effects in today's population genetics of India *Thiago Pinto Barbosa, Universität Bayreuth / Vrije Universiteit Amsterdam*

A Comparative Bioconstitutional Study of the Problematization of Mitochondrial Replacement Therapy in Argentina and Mexico *Alberto Aparicio, Harvard STS Program, Harvard Kennedy School*

Chair:

**Thiago Pinto Barbosa**, Universität Bayreuth / Vrije Universiteit Amsterdam

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 077. Plenaria Presidencial ESOCITE - Panel Inaugural: Agendas CTS y Agendas locales/globales de Ciencia y Tecnología

4:30 to 6:30 pm

Building H: Manuel Acévez Auditorium

Discussants:

**Pablo Kreimer**, CONICET

**Léa Maria Leme Velho**, UNICAMP

**Rosalba Casas**

**Hebe Vessuri**, Independent researcher

Session Organizer:

**Ronald Cancino**, Universidad de la Frontera

## WEDNESDAY

### 078. Welcome Reception

6:30 to 8:30 pm

Gymnasium: Gymnasium

Session Organizers:

**Conference Chairs**, 4S/ESOCITE

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

**Sandeep Mertia**, New York University

**Nafis Aziz Hasan**, The University of Pennsylvania

**Aakash Solanki**, The University of Toronto

# THURSDAY

## THURSDAY, DECEMBER 8

### 079. Making & Doing Central Exhibition I

2:00 to 6:30 pm

Gymnasium: Gymnasium

### 080. Decolonizing the Governance of Technoscience: Bioinformation and AI in the Global South

8:30 to 10:30 am

Building A: A012

Participants:

Aspirations Otherwise: From “Big Pharma versus Nelson Mandela” to the South African mRNA Hub *Anne Pollock, King's College London*

Dematerializing Hope: Seed Banks and Their Database of Trees *Xan Sarah Chacko, Wellesley College*

Epistemic Infrastructures of Bioscience Governance: The Debate on Genetic Sequence Data in Indonesia *Sonja van Wichelen, University of Sydney*

Precision Agriculture and the Governing of Artificial Intelligence in South Africa  
*Laura Foster, Indiana University - Bloomington*

Discussant:

**Cori Hayden**, University of California - Berkeley

Chair:

**Sonja van Wichelen**, University of Sydney

Session Organizer:

**Sonja van Wichelen**, University of Sydney

### 081. Scams, Shams, Fakes, and Frauds: STS Perspectives on the Boundaries of Authenticity and Authority

8:30 to 10:30 am

Building A: A102

Participants:

How Scams Shape Digital Commerce: The Case of the “Friendly Fraud” in the Global Black Market *Lan Swartz*

Airbnb Nightmares: How Airbnb Scams Unveil the Neoliberal Fantasy of the Home *Nina Medvedeva, University of Minnesota: Twin Cities*

Indigenous Charlatanism as Scientific Method *Elias Nelson, Williams College*  
“95% of Originality”: Counterfeit Paper and Certificated People in Urban Kenya  
*Junnan Mu, Harvard University*

The Casual Counterfeiter in the Age of Desktop Publishing *Gili Vidan, Cornell University*

Chair:

**Lan Swartz**

Session Organizer:

**Gili Vidan**, Cornell University

### 082. How Do We Socialize the Lab?

## THURSDAY

8:30 to 10:30 am

Building A: A104

Participants:

Radicalizing Scientists within the Academy: Research as Movement Work *Sarah Rebolledo McCullough, Feminist Research Institute, UC Davis*

STEM Pedagogy and Radical Critique *Prerna Srigyan, University of California - Irvine*

Work Becomes Her: Negotiating Multiple Commitments in Science and Activism. *Kulyash Zhumadilova, Virginia Tech*

Discussants:

**Owen Marshall**, Cornell S&TS and Information Science

**Gerardo Ienna**, University of Verona

Chair:

**Edward E Millar**, Toronto Metropolitan University

Session Organizer:

**Calvin Wu**, Science for the People

### 083. El giro hermenéutico de las métricas latinoamericanas: experiencias, propuestas y desarrollos en América Latina

8:30 to 10:30 am

Building A: A106

Participants:

Giros socioterritoriales, sociotécnicos y hermenéuticos en las métricas de CTI de América Latina *Ronald Cancino, Universidad de la Frontera; Luciano Guillermo Levin, Universidad Nacional de Río Negro; Luis Antonio Orozco, Universidad Externado de Colombia; Gabriel Velez, Universidad de Antioquia*

ImpactU: Un modelos orientado hacia las métricas responsables en América Latina *Gabriel Velez, Universidad de Antioquia; Diego Restrepo, Universidad de Antioquia; Cesar Pallares, Universidad de Antioquia*

Research metrics and the evaluation of scientific careers in Latin America.  
*Federico Vasen, Universidad de Buenos Aires*

Academia cuantificada: un análisis discursivo de las políticas y evaluación científica en Chile *Carla Fardella, Universidad Andrés Bello; Claudio Broitman Rojas, Universidad Andrés Bello; Fernando Valenzuela, Universidad Andres Bello*

Producción científica en América Latina en el marco de los Grandes Desafíos  
*Daniel Chávez, Universidad Autónoma Metropolitana*

Chair:

**Federico Vasen**, Universidad de Buenos Aires

Session Organizer:

**Luciano Guillermo Levin**, Universidad Nacional de Río Negro

### 084. Another Research is Possible I

8:30 to 10:30 am

Building A: A112

Participants:

## THURSDAY

Apicultura en Palmor, Colombia: albores, fundamentos y agencia más que humana *Luciano Andrés Aroca, Universidad del Magdalena*

Biocultural beings and community' oralotecas *Juan David Reina Rozo*

Temporal reciprocity: A methodological proposal for studying the scientific/political technology duality of the Green Revolution *Sergio Fernández Bravo, University of Helsinki*

Cultivating ripe oranges: community-led research for collaborative COVID-19 responses in Lao PDR *Elizabeth Elliott, National University of Singapore (NUS); Shogo Kubota, Word Health Organization; Sengchanh Kounnavong, Lao Tropical and Public Health Institute; Ounkham Souksavanh, Word Health Organization*

People With Rare Diseases Participation On The Incorporation Of Therapy In The Brazilian Health System *Lucas Nishida, Unicamp - Universidade Estadual De Campinas*

Chair:

**Lucas Nishida**, Unicamp - Universidade Estadual De Campinas

Session Organizers:

**Gretchen Lynn Gano**, Prescott College

**Mary Poole**, Prescott College

**Emily Affolter**, Prescott College

**Melissa Braden**, Prescott College

### **085. The social shaping and situated futures of precision agriculture**

8:30 to 10:30 am

Building A: A204

Participants:

Exploring engagement with precision agriculture technologies: farmers' concerns and experiences with agricultural decision support systems *Damilola Adereti, South Dakota State University; Maaz Gardezi, Virginia Tech*

Influence of nitrogen stabilizers and application dates in no-tillage corn production on nitrogen use efficiency and N losses to the atmosphere *Skye Brugler, South Dakota State University; David Clay, South Dakota State University*

Restoring sense out of disorder? Farmers' changing social practices under big data and algorithms *Ayorinde Ogunyiola, South Dakota State University; Maaz Gardezi, Virginia Tech*

Collaborative engagement in precision agriculture and interdisciplinary research: Challenges and lessons *Edward Prutzer, Virginia Tech*

Chair:

**Edward Prutzer**, Virginia Tech

Session Organizer:

**Edward Prutzer**, Virginia Tech

### **086. Controversias públicas sobre ciencias y tecnologías emergentes: abordajes sociotécnicos y diversidad de conocimientos I**

8:30 to 10:30 am

# THURSDAY

*Building A: A205*

Participants:

5G ¿a qué costo? "Innovación con precaución? *Laura Saldivar Tanaka, INECC; Emmanuel Abundis, Universidad de Guadalajara*

A designerly toolbox to address socio-technical controversies in the smart city  
*Anouk Geenen, University of Twente; Julieta Matos Castaño, University of Twente; Deger Ozkaramanli, University of Twente; Corelia Baibarac-duignan, University of Twente*

The trajectory of Hydroxychloroquine in Brazil: from a legitimate scientific debate to magic bullet and negationism *Marilena Corrêa, Institute of Social Medicine, State University of Rio de Janeiro; Luiz Villarinho, Centre de Recherche Médecine, Sciences, Santé, Santé Mentale et Société (cermes3), Paris; Ilana Lowy, Cnrs-Cermes; Luiz Teixeira, Casa Oswaldo Cruz; Luiz Alves, Casa Oswaldo Cruz - COC/Fiocruz*

As controvérsias no entorno do Vantablack *Yuri Gabriel Campagnaro, Universidade Tecnológica Federal do Paraná; Luciana Martha Silveira, UTFPR*

Chair:

**Marilena Corrêa**, Institute of Social Medicine, State University of Rio de Janeiro

Session Organizer:

**Luiz Teixeira**, Casa Oswaldo Cruz

## 087. COVID and Cripistemology: Disability and Knowledge During a Pandemic I

8:30 to 10:30 am

*Building B: B102*

Participants:

Abolish Normalcy: Re-imagining Academia To Support And Sustain Disabled And High Risk Students Amidst A Pandemic *Victoria Concepción Chávez, Northwestern University; Natalie Araujo Melo, Northwestern University*

New "Normal": Disability and Long Covid *Manda Wich, Colorado State University*  
Same difference: a multiverse perspective on digital inclusions and exclusions of South Africans with disabilities during lockdown *Lorenzo Dalvit, Rhodes University*

Lessons learned from the pandemic: impacts of accelerating digitalization on gender equality in France *Anne-Sophie Godfroy, République des savoirs (CNRS, École Normale Supérieure, Collège de France)*

Chair:

**Lorenzo Dalvit**, Rhodes University

Session Organizer:

**Helena Moura Fietz**, Rice University

## 088. Critical datafication, platformization and algorithmic cultures from Latin America and the Global South I

8:30 to 10:30 am

*Building B: B103*

Participants:

Data And Dignity: How Social Registries Exercise Violence On Vulnerable

## THURSDAY

Communities In Colombia. *Joan Lopez-Solano, Tilburg Institute for Law, Technology and Society*

Datos Masivos Como Dispositivos De Poder: Modelado y Resistencia *Arturo Rodriguez Rodriguez, UNAM*

Human Agency Matters: Understanding Chileans adoption of YouTube chat and Discord for political deliberation *Sebastián Rivera, Universidad Diego Portales; Marcelo Santos, Universidad Diego Portales; Karen Gheza, Pontificia universidad católica de Chile*

La Plataformización De Las Maternidades Como Un Fenómeno Emergente Y Transformador En México Y América Latina *Martha González Lázaro, Escuela Nacional de Estudios Superiores Morelia, UNAM; Diana Tamara Martínez Ruiz, UNAM*

Chair:

**Martha González Lázaro**, Escuela Nacional de Estudios Superiores Morelia, UNAM

Session Organizer:

**GABRIELA ELISA SUED**, UNAM

### 089. Impacts y desafíos de la Industria 4.0 en América Latina I

8:30 to 10:30 am

Building B: B108

Participants:

Amazon and Google threatening the manufacturing sector? Industry 4.0 as a new battlefield for intellectual monopoly companies in GVCs *David Flacher, Université de technologie de Compiègne; Nathalie Coutinet, Université Sorbonne Paris Nord*

Automatización, ocupaciones y tareas. Una mirada desde América Latina *Sol Catania, Instituto Interdisciplinario de Economía Política de Buenos Aires; Roxana Maurizio, Organización Internacional del Trabajo*

Condiciones y alcances de la introducción de la I4.0 en la industria automotriz en México *Daniel Villavicencio, Univ. Autónoma Metropolitana-Xochimilco; Marcela Amaro Rosales, UNAM, IIS; Matari Pierre, IIS-UNAM*

Digitalización de la industria y atributos para el trabajo que se movilizan *Marcelo Angel Hernandez, Universidad de Luján*

Convergencia tecnológica, Industria 4.0 y transformación digital. Una revisión crítica de la producción científica y políticas en América Latina *Leandro Lepratte, UTN - Argentina; Eduardo Robles Belmont, UNAM - México*

Chair:

**Daniel Villavicencio**, Univ. Autónoma Metropolitana-Xochimilco

Session Organizer:

**Daniel Villavicencio**, Univ. Autónoma Metropolitana-Xochimilco

### 090. Indeterminacy, Uncertainty, Potentiality I

8:30 to 10:30 am

Building B: B111

Participants:

## THURSDAY

The Politics of Aporia: Orchestrating conflict on technopolitical futures *Anke Gruendel*

Radioactive Bodies: Making Sense of Nosebleeds and Other Physical Aberrations in Post Nuclear Accident Fukushima *Chikako Takeshita, University of California, Riverside*

Finitude and its Discontent *Cameron Hu*

Moral Uncertainty and Confusion in the Ethics of Neural Human-Animal Chimeras *Octavio Mucino-Hernandez, SFIS - Arizona State University*

Discussant:

**Jerome Whitington**, New York University

Chair:

**Octavio Mucino-Hernandez**, SFIS - Arizona State University

Session Organizer:

**Chikako Takeshita**, University of California, Riverside

### 091. Tecnologías Estratégicas en América Latina: abordajes, experiencias y recomendaciones de política para el desarrollo sustentable I

8:30 to 10:30 am

Building C: C010

Participants:

Aportes para la gestión y co-diseño de sistemas de datos en salud *Pablo Boada*  
El desarrollo como ideología en la semi-periferia. En busca de los fundamentos de la industrialización en Argentina (1920-1955) *Juan F Picabea, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes; Juan Einar Cristensen, IESCT-UNQ (Institute of Science and Technology Studies - Universidad Nacional de Quilmes) / CONICET*

Economía Digital y Covid-19: Pre Condiciones para el Upgrading en las Cadenas Globales de Valor *Seyka Sandoval, UNAM*

El Virus, los Procesos de Digitalización-Virtualización en América Latina y Perspectivas de una Recuperación Sustentable *Sergio Ordóñez, IIEc-UNAM; Noe Vidal, Instituto Politécnico Nacional*

Dimensiones nacionales e internacionales en los proyectos nucleoeléctricos de Argentina, Brasil y México (1960-1970) *Nevia Vera, CEIPIL - CIC - UNICEN / CONICET; Manuel Lugones, UNRN*

La relación del Estado y la empresa transnacional en Jalisco y Baja California, México *Paty Montiel*

Chair:

**Seyka Sandoval**, UNAM

Session Organizers:

**Seyka Sandoval**, UNAM

**Juan F Picabea**, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes

### 092. Security Technologies, or, How to Live With Others I: Publics, Technology, and Securitisation

8:30 to 10:30 am

# THURSDAY

*Building C: C012*

Participants:

Hate Speech, Law, and Platform Virality in India *Siddharth Narrain, UNSW*

La Acción Política Para Descubrir El Miedo Al Crimen: Una Aproximación Longitudinal Desde La Filosofía De La Tecnología *Raul Tapia, FLACSO Ecuador*

'Scripts of alterity' and 'hindered users': Security subjects as users? *Annalisa Pelizza, Dpt Philosophy and Communication, University of Bologna*

Discussant:

**Sonia Qadir**, UNSW Law

Chair:

**Sonia Qadir**, UNSW Law

Session Organizers:

*Angela Smith, UNSW Sydney*

*Siddharth Narrain, UNSW*

*Sonia Qadir, UNSW Law*

## 093. Co-Creating Public Trust in Science through Responsive Science

**Communication**

8:30 to 10:30 am

*Building C: C108*

Participants:

Expertise in the Courtroom: The Question of Trust in Consensus Science *David Caudill, Villanova University*

Metrics For Platform Science: Altmetrics, Expertise, and Public Trust *Abigail Holmes, University of Notre Dame*

Elderly perception about Covid-19 pandemic *Karina Juliana Francisco, State University of Campinas - UNICAMP; Simone Pallone de Figueiredo, Unicamp*

What can pandemic teach us on social communication and appropriation of science in Mexico? *Noemí Sanz Merino, University of Balearic Islands; Daniela H Tarhuni Navarro, Centro Peninsular en Humanidades y en Ciencias Sociales (Mérida)-UNAM (Mexico)*

Mixed Methods for Understanding Visual Frames in Social Movement Communication *Laura W. Dozal, University of Arizona*

Chair:

**Karina Juliana Francisco**, State University of Campinas - UNICAMP

Session Organizer:

**Karina Juliana Francisco**, State University of Campinas - UNICAMP

## 094. Living with Water I

8:30 to 10:30 am

*Building C: C110*

Participants:

Sampling the Ocean: Methodological Strategies for Life Detection on Enceladus *Dana Burton, George Washington University*

## THURSDAY

Waves Aflame Stefan Helmreich, *Massachusetts Institute of Technology (MIT)*  
Abolissons les tropiques: An ethnography of becoming with snow in three blog entries Melina Campos Ortiz, *Concordia University*

Hydrotopias and Waterland Luisa Cortesi, *International Institute of Social Studies*  
Water in the African Anthropocene: Lessons from the Wetlands of Southern Uganda Adele Leigh Stock, *Stanford University*

Chair:

**Dana Burton**, George Washington University

Session Organizer:

**Melina Campos Ortiz**, Concordia University

### 095. Producing Technology, Producing Culture

8:30 to 10:30 am

Building C: C204

Participants:

13.1 'Til Infinity: Exploring the Intersection of Music Technology and African American Culture Jonathan Givan

Nightwandering Along Ishkêesh: Karuk Two-Spirit Daimonics and Otherwise Indigequeer Interiority as Methodologies Leece Oliver Desir LaRue, *Oregon State University*

Always on performance: Affective labor in China's Live Streaming Industry Shanshan Yang, *Rensselaer Polytechnic Institute*

Chair:

**Shanshan Yang**, Rensselaer Polytechnic Institute

Session Organizer:

**Gabriel Medina-Kim**, Rensselaer Polytechnic Institute

### 096. Science in the City I

8:30 to 10:30 am

Building D: D005

Participants:

Post-Socialist Biotech: From Weiguang to BGI-Shenzhen Hallam Stevens, James Cook University; Taomo Zhou, Nanyang Technological University

The Impacts of Urbanization Level on the International Collaboration of Universities in the United States Jiangen He, The University of Tennessee; wen lou, East China Normal University

Follow the Code: Urban Models and Resilient Future Chaewon Ahn, Yale-NUS College; Jiat Hwee Chang, Department of Architecture, NUS

Center of Excellence? The Emergence of Taiwan Instrumentation Center and Scientific Community ,1980~2000 Yu Hsuan Wang, dept. of Geography, National Taiwan University

Chair:

**Robin Wolfe Scheffler**, Massachusetts Institute of Technology (MIT)

Session Organizer:

**Robin Wolfe Scheffler**, Massachusetts Institute of Technology (MIT)

# THURSDAY

## 097. Climate Infrastructures II: Knowledge Infrastructures

8:30 to 10:30 am

Building D: D006

Participants:

Building Sustainable Transitions as a place-less global knowledge: Socio-epistemic Imaginaries of a Climate Field *Govind Gopakumar, Concordia University*

Development as method: Building a Climate Research Database *Michael Hockenhull, IT University of Copenhagen*

Infrastructuring the Future: IIASA and the Making of Climate Scenarios since the 1970s *Béatrice Cointe, CNRS*

Living in Yaounde, resilience to rain and heat. Sensing climate change "from below". *Maïa Ghattas, Université Paris 1 Panthéon-Sorbonne; Marie Morelle, Université Lyon 2*

Chair:

**Maka Suarez**, University of Oslo / Kaleidos - Center for Interdisciplinary Ethnography

Session Organizers:

**Aalok Khandekar**, Indian Institute of Technology Hyderabad

**Alison Kenner**, Drexel University

**Jamie Cross**, University of Edinburgh

**Sulfikar Amir**, Nanyang Technological University

**Gökçe Günel**, Rice University

## 098. Rearranging The Animacy Hierarchy

8:30 to 10:30 am

Building D: D008

Participants:

Maré: socialidades, ritmos e engajamentos nas paisagens das águas *Renata Freitas Machado, IFRIS, PALOC - Muséum d'Histoire Naturelle*

Multispecies landscape-making: landscape as ontological mediation in a guanaco rewilding project *Meredith Root-Bernstein, CNRS UMR CESCO, Muséum*

Posthuman Feminism: A Technological and Ecological Framework for Contemporary Art *Clarissa Chevalier, UCSD*

Chair:

**Meredith Root-Bernstein**, CNRS UMR CESCO, Muséum

Session Organizer:

**Siri Lamoureux**, University of Siegen, Germany

## 099. STS & Digital Futures In The Making

8:30 to 10:30 am

Building D: D102

Participants:

Rethinking Border Narratives: The Promise of Digital Twins *Sanja Milivojevic, University of Bristol*

## THURSDAY

Governing AI Futures: The Wicked Dilemmas of Navigating Autonomous Systems *Peter Winter, University of Bristol; John Downer, University of Bristol*

Reconstructing Explainable AI: From Explanations to Disruptions *Marisela Gutierrez Lopez, University of Bristol; Susan Halford, University of Bristol*

'The Web They Want': Sociotechnical Imaginaries, Web Archiving and Web Futures In The Making *Jessica Ogden, University of Bristol*

Discussant:

**Susan Halford**, University of Bristol

Chair:

**Marisela Gutierrez Lopez**, University of Bristol

Session Organizer:

**Jessica Ogden**, University of Bristol

### 100. Architecture and Urban STS I

8:30 to 10:30 am

Building D: D105

Participants:

Architecture Beyond Detachment: Recomposing and Reconfiguring Relations with the Air *Aftab Mirzaei, York University STS*

Early Report on the Informatics Building of an Academic Health Sciences Center *Mustafa Ibraheem Hussain, Oregon Health and Science University*

Exploring the textures of experiential knowledge *Nancy Odendaal, University of Cape Town*

Flaneuses\* Walking Through Digital and Material Spaces in Mexico City and Berlin *Mirjana Mitrovic, Universität der Künste Berlin*

The Politics of Expertise in Assessing Alternatives to Glyphosate in France *Fiona Kinniburgh, Technical University Munich*

The Politics of Determining Safety via Ventilation in Laboratory Design *Chuan Hao Chen*

Chair:

**Fiona Kinniburgh**, Technical University Munich

Session Organizer:

**Fiona Kinniburgh**, Technical University Munich

### 101. Science Communication I

8:30 to 10:30 am

Building D: D108

Participants:

Coronavirus: when science communication makes headlines *Rafael Martins Revadam, State University of Campinas - UNICAMP*

Diseños globales e historias locales: desarrollo de una propuesta educativa en un museo interactivo de ciencias y tecnologías en el sur *Manuel Franco Avellaneda, Independiente; Diego Corrales, Independiente*

Fifteen minutes of fame: experts, science and public opinion *Ivan Eliab Gomez, Universidad Autónoma Chapingo*

## THURSDAY

How to integrate soft and hard technologies to produce social-environmental impacts? *Lucas Moreira Furlan, Sao Paulo State University; Monique Araújo de Medeiros Brito, Federal University of Recôncavo da Bahia*

El precio de la calidad: el negocio editorial predice índices de impacto de revistas científicas *Adriana Ruggiero, CONICET/Universidad Nacional del Comahue*

Chair:

**Lucas Moreira Furlan**, Sao Paulo State University

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **102. Sonic Street Technologies (SST) as a Means of Emergence and Survivance: Theory and Methods**

8:30 to 10:30 am

*Building D: D202*

Participants:

Sounds from the Global South: Actual and Abstract Machines *Julian Henriques, Goldsmiths, University of London*

Sound systems as naturecultural assemblages *Aadita Chaudhury, Goldsmiths, University of London/York University, Canada*

Mapping the SST Geographies: Ethics, Challenges and Findings *Brian D'Aquino, Goldsmiths, University of London*

Recognizing Knowledge, Thinking Otherwise *Liv Sovik, Universidade Federal do Rio de Janeiro*

Chair:

**Julian Henriques**, Goldsmiths, University of London

Session Organizer:

**Aadita Chaudhury**, Goldsmiths, University of London/York University, Canada

### **103. STS Education**

8:30 to 10:30 am

*Building D: D205*

Participants:

Caminhos Para Uma Tecnociênci a Favor Da Diversidade: Reflexões Para o Ensino CTS *JOAQUIM FERNANDO MENDES DA SILVA, Universidade Federal do Rio de Janeiro; Marcos André Ferreira de Araujo Santos; Caio Gentil Nascimento da Silva*

Las CTS En Carreras de Grado. Una Experiencia Al Sur Sur *Cristina Gabriela Flores, Barrio Gas del Estado*

Mentoring STS Graduate Students and Early Careers Scholars as Writers *Monique Dufour, Virginia Tech; Jim Collier, 300 Fincastle Drive*

RECREA-Matemáticas: investigación educativa basada en co-diseño para potenciar las estructuras afectivas en matemáticas *Luis Miguel García-Velázquez, ENES Morelia, UNAM; Angelina Alvarado Monroy, Universidad Juárez del Estado de Durango*

The Landscape of STS: A Census of Programmatic Repair *Madisson Whitman,*

## THURSDAY

*Columbia University; Zoe Nyssa, Purdue University; Ian C. Lindsay, Purdue University*

Chair:

**Monique Dufour**, Virginia Tech

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **104. Abysmal infrastructures. Energy communities in the maintenance, repairing, improvement, or abandonment I**

8:30 to 10:30 am

Building D: D208

Participants:

An Island of Indigenous Energy Sovereignty within a Sea of Settler Colonial Darkness *Aaron Gregory, University of California at Berkeley*

Forever Starts Tomorrow: Residual Governance and the Abyss *Gabrielle Hecht, Stanford University*

Repair, maintenance, abandonment practices and their energy communities  
*Gloria Baigorrotegui, Instituto de Estudios Avanzados - Usach; Cristian Valenzuela Calderon, Universidad Alberto Hurtado*

Sedimented Reality of the Garbage Truck *Elisabeth Asher, University Of Maryland College Park*

Los megaproyectos aeroportuarios abandonados para la Ciudad de México en las primeras dos décadas del siglo XXI *José Armando Armando Alonso Alonso Arenas, UNAM*

Discussant:

**Dominique Vinck**, University of Lausanne

Chairs:

**Cecilia Ibarra**, Universidad de Chile

**Dominique Vinck**, University of Lausanne

Session Organizer:

**Gloria Baigorrotegui**, Instituto de Estudios Avanzados - Usach

### **105. Open STS Data: Opportunities for Pedagogy, Reuse, Re-interpretation Workshop**

10:00 to 1:00 pm

Building A: A110

Chair:

**Grant Jun Otsuki**, Victoria University of Wellington

Session Organizer:

**Grant Jun Otsuki**, Victoria University of Wellington

### **106. Diversity, Inclusion and Digital Urban Transformations**

11:00 to 1:00 pm

Building A: A004

Participants:

Genesis of Shenzhen as China's 'Silicon Valley' *Mee Kam Ng, Chinese University*

## THURSDAY

of Hong Kong

Public Safety? There's a 'Smart' App for that *Lovely-Frances Domingo, University Of Maryland College Park*

Situating the elusive citizen in smart city development: Insights from a study of digital innovation in Mexico City *mario pansera, Universidade de Vigo; David Sweeting, University of Bristol; Richard Owen, Bristol University; Helen Manchester, University of Bristol; Jessica De Alba, Anahuac University; Arturo Flores, Universidad Anahuac*

Identifying urban gardens using satellite imagery and Google Street View in Detroit and NYC *Jake Hawes, University of Michigan - Ann Arbor; Dimitrios Gounaris, University of Michigan - Ann Arbor; Samuel Limerick, University of Michigan - Ann Arbor; Joshua Newell, University of Michigan - Ann Arbor*

Chair:

***Surajit Chakravarty***, Indian Institute of Technology Delhi

Session Organizer:

***Surajit Chakravarty***, Indian Institute of Technology Delhi

### **107. Disentangling the Politics of Plastics I**

11:00 to 1:00 pm

Building A: A008

Participants:

Still Holding: Picking Up Pieces of Capitalist Expediency on the West Coast of Sweden *Maya Weeks*

Synthetics Of Empire: Plastics, Toxicity, And Waste In The Pacific *Miri Powell*

Plastivores and the Persistence of Petro-Capitalism *Kim De Wolff, University of North Texas*

Chair:

***Miri Powell***

Session Organizer:

***Erich Hellmer***, Academia Sinica, Taiwan

### **108. Ecologies of re-mediation I**

11:00 to 1:00 pm

Building A: A012

Participants:

Haunted by Mistero. Remediating Practice for Multispecies Reproductive Justice *Antonia Ferrante, Université de Liège (SPIRAL)*

Populating antimicrobial problems: the neglected standpoints of living environments and their inhabitants *Rémi Éliçabe, Groupe de Recherche Action - Villeurbanne; Amandine Guilbert, Groupe de Recherche Action - Villeurbanne*

Mundane remediation for spectacular problems *Adam Searle, Université de Liège (SPIRAL)*

Thinking with "cow-forming" (de la Cadena) *Roxane Gabet, Université de Liège (SPIRAL)*

Chair:

# THURSDAY

**Roxane Gabet**, Université de Liège (SPIRAL)

Session Organizer:

**Adam Searle**, Université de Liège (SPIRAL)

## 109. Technologies, Trust and Governance: Reimagining Democracy

11:00 to 1:00 pm

Building A: A102

Participants:

Differential Perspectives: Epistemic Disconnects Surrounding the US Census Bureau's Use of Differential Privacy *danah boyd, Microsoft Research / Data & Society; Jayshree Sarathy*

Encrypted Messaging Apps and Diaspora Communities in the US: A New Way to Address the Loss of Public Trust? *Inga Trauthig; Samuel Woolley, University of Washington*

Techno-politics of urban waste management in India *Pritpal Randhawa, Dr. B. R. Ambedkar University Delhi*

Technologies, Trust and Governance: Platform Cooperatives and Commons *Ashish Vikram Singh, Independent Researcher; Ravi Shukla, Jawaharlal Nehru University*

Chair:

**Jayshree Sarathy**

Session Organizer:

**Ravi Shukla**, Jawaharlal Nehru University

## 110. Fraught politics of emergence and neglect in Global Health: Science at work

11:00 to 1:00 pm

Building A: A104

Participants:

Enfermedades Globales, Emergencias Locales. La Investigación de las Enfermedades Emergentes en la Península de Yucatán *César Guzmán Tovar, ENES Mérida-UNAM*

Militarizing One Health: Bats, pathogens and biodefense at the dawn of a pandemic era *Sainath Suryanarayanan, Holtz Center for Science & Technology Studies, University of Wisconsin-Madison*

Neglected by omission: War illegibility in the scientific accounts of Colombian leishmaniasis *Lina Beatriz Pinto-Garcia, Universidad de los Andes; Juan Pablo Centeno, Universidad Externado de Colombia*

Pathogenic Entanglements: The Sociopolitics of COVID-19 *Rebecca Hester, Virginia Tech*

'Worm Wars': The Unravelling of the Randomised Control Trial (RCT) Gold Standard *Samantha Vanderslott*

From Global Health to One Health and Beyond: Translating registers of human health *Tony Sandset, University of Oslo*

Discussant:

**Andrew Lakoff**, University of Southern California

# THURSDAY

Chair:

**Lina Beatriz Pinto-Garcia**, Universidad de los Andes

Session Organizer:

**Bernardo Moreno Peniche**, UC Berkeley

## 111. Decolonizing the Psychedelic Research Revival II

11:00 to 1:00 pm

Building A: A106

Participants:

The Enduring and Complicated Legacy of Advaita Vedanta in Psychedelic  
Mysticism *Jeffrey Breau*

Psychedelics in the health system of the Global North and their role in  
indigenous communities. Outline of a confrontation of worldviews. *Luis  
Eduardo Luna, Wasiwaska Research Center*

Who Counts As God? 'Tipping the Scales' of Mysticism in Psychedelic  
Neuroscience *Paul Stephen Gillis-Smith, Harvard Divinity School*

Decolonial Ethics, Ideology and Psychedelic Humanities *Osiris Sinuhe Gonzalez  
Romero, University of Saskatchewan*

Chairs:

**Christine Hauskeller**, University of Exeter

**Ernesto Schwartz Marin**, Exeter University

Session Organizers:

**Christine Hauskeller**, University of Exeter

**Luis Eduardo Luna**, Wasiwaska Research Center

## 112. Another Research is Possible II

11:00 to 1:00 pm

Building A: A112

Participants:

Decolonizing Policy Making: Taking Fishers' Knowledge Seriously *Vitor Renck,  
Wageningen University & Research; David Ludwig, Assistant Professor, KTI  
group, Wageningen University, the Netherlands; Paride Bollettin, Universidade  
Federal da Bahia; Charbel El-Hani, Universidad Federal da Bahia (UFBa), INCT,  
Interdisciplinary and Transdisciplinary Studies in Ecology and Evolution (IN-  
TREE); Luana Poliseli, Wageningen University & Research*

Emancipatory Science And The Messy Reality Of Collaboration *Esther Milberg,  
Wageningen University; David Ludwig, Assistant Professor, KTI group,  
Wageningen University, the Netherlands; Charbel El-Hani, Universidad Federal  
da Bahia (UFBa), INCT, Interdisciplinary and Transdisciplinary Studies in  
Ecology and Evolution (IN-TREE)*

Lélia Gonzalez: engaged research engaging community *Mariana Toledo Ferreira,  
Instituto Federal de Educação Ciência e Tecnologia de Goiás; Stefan Klein,  
Universidade de Brasília (UnB)*

Reimagining Research and Teaching Through Socially Engaged Art *Chessia  
Adsit-Morris, University of California, Santa Cruz*

Chair:

# THURSDAY

**Chessa Adsit-Morris**, University of California, Santa Cruz

Session Organizers:

**Stefan Klein**, Universidade de Brasilia (UnB)

**Melissa Braden**, Prescott College

**Mary Poole**, Prescott College

**Emily Affolter**, Prescott College

## 113. From Using Technology to Wearing and Caring I

11:00 to 1:00 pm

Building A: A204

Participants:

Fluid Menstrual Technologies: Exploring what menstrual cups do in Colombia

*Malissa Kay Shaw, Taipei Medical University*

Wearing Contraception: Reconfiguring Knowledge, Reconfiguring Methods

*Adele Moore*

How people experience the air-conditioned workplace through dress *Sara Daly*

Wearing High Heels In/Out *Chris Hesselbein, Politecnico di Milano*

Repair, Affect, and Value: Caring for Vulnerable Violins in Contemporary

Western Classical Music Communities *Juliet Glazer, Department of Anthropology, The University of Pennsylvania*

Chair:

**Chris Hesselbein**, Politecnico di Milano

Session Organizer:

**Chris Hesselbein**, Politecnico di Milano

## 114. Controversias públicas sobre ciencias y tecnologías emergentes: abordajes sociotécnicos y diversidad de conocimientos II

11:00 to 1:00 pm

Building A: A205

Participants:

Controversias científicas sobre el maíz: una aproximación desde la literatura especializada *Eduardo Robles Belmont; Juan Carlos Escalante Leal, UNAM, IIMAS, DMSS*

La prohibición del glifosato en Mexico más allá de una controversia *Rebeca de Gortari, IIS UNAM; Marcela Amaro, IIS-UNAM; Eduardo Robles Belmont, UNAM - México*

Medir el cianuro y construir el gobierno. Una Controversia en torno a megaminería en San Juan, Argentina. Su discusión y valor en el campo CTS en Latinoamérica *Juan Agustín Layna, Centro de Ciencia, Tecnología y Sociedad Universidad Maimonides*

O Papel da Produção do Conhecimento Científico no Processo Político de Legalização da Maconha Medicinal no Brasil *ROBERTA CUSTODIO CAVEDINI, Unicamp - Universidade Estadual De Campinas*

¿Son las baterías de ion de litio realmente sostenibles? Una Reflexión a Partir Del Triángulo De Litio En Los Países Andinos. *Carolina Pineda, State University of Campinas; Flavia Consoni, UNICAMP*

# THURSDAY

Session Organizer:

**Rebeca de Gortari**, IIS UNAM

## 115. COVID and Cripistemology: Disability and Knowledge During a Pandemic II

11:00 to 1:00 pm

Building B: B102

Participants:

"I'm the One that Takes It More Seriously:" Knowledge, Power, and Intellectual Disability During the COVID-19 Pandemic *Rebecca Monteleone, University of Toledo*

Reimagining Ethnography: Disability and Pandemic Rupture in India *Kim Fernandes, University of Pennsylvania*

Pandemic Parenting and Psychiatric Disability: Mad/Cripistemology At The Intersection Of Reproduction And Global Mental Health *Nadia Naomi Mbonde, NYU*

The Question Concerning Technology Allocation *Mara Mills, New York University*

When Post-Viral Goes Viral: ME/CFS, Long COVID, and Pandemic Deja Vu *Harris Kornstein, University of Arizona; Emily Lim Rogers, Brown University*

Addressing Information Access Inequality from Below During the COVID-19 Pandemic: Building an Alternative Sociotechnical Infrastructure with the Latinx Community *Fatima Espinoza Vasquez, University Of Kentucky; Gia Mudd-Martin, University of Kentucky*

Chair:

**Fatima Espinoza Vasquez**, University Of Kentucky

Session Organizer:

**Rebecca Monteleone**, University of Toledo

## 116. Critical datafication, platformization and algorithmic cultures from Latin America and the Global South II

11:00 to 1:00 pm

Building B: B103

Participants:

Access, Use and Appropriation in the context of Digital Transformation, Datafication and Platformization *Katherine Reilly, Simon Fraser University*

How artificial intelligence is really produced ? "Classification" and "problematization": labour processes behind automation promises *Clément Le Ludec, Télécom Paris / IPP; Maxime Cornet, Télécom Paris / Institut Polytechnique de Paris*

Measuring the Pandemic: Understanding the Life Cycle of COVID-19 Data in Colombia *Natalia Nino-Machado, Universidad de los Andes, Bogotá, Colombia; María Galvis, Universidad de los Andes; Catalina González, Universidad de los Andes*

The current State of Platformization in Mexico *GABRIELA ELISA SUED, UNAM*

Chair:

**Natalia Nino-Machado**, Universidad de los Andes, Bogotá, Colombia

Session Organizer:

# THURSDAY

**GABRIELA ELISA SUED**, UNAM

## 117. Humanism vs Techno-Optimism in STS?

11:00 to 1:00 pm

Building B: B105

Participants:

Ecologizing technology, dedemonizing entropy *Jacob Wamberg, Aarhus University, Denmark*

Unboxing artificial intelligence - artist interfaces to platform culture *Christian Ulrik Andersen, Aarhus University, Denmark*

Humanism, posthumanism, new humanism *Cathrine Hasse, Aalborg/Aarhus University*

Knowing-Things: Embedding Anthropological Ways of Knowing into Design and Engineering Tools *Jessica Sorenson, University of Southern Denmark*

Decentralising techno-optimism – how to make critique of and with an empirical object *Pablo Velasco, University Of Aarhus*

Chair:

**Cathrine Hasse**, Aalborg/Aarhus University

Session Organizer:

**Cathrine Hasse**, Aalborg/Aarhus University

## 118. Impactos y desafíos de la Industria 4.0 en América Latina II

11:00 to 1:00 pm

Building B: B108

Participants:

Industria 4.0: Transformaciones Tecnológicas y Formación en los Nuevos Saberes del Trabajo. *Silvia Magdalena Paz, Universidad Nacional de Luján; Ivana Muzzolon*

Industria 4.0 y agricultura familiar: una reflexión crítica sobre su impacto en la agricultura familiar *Gustavo Federico Apablaza, Universidade Estadual do Oeste do Paraná; Raimundo Christian Oliveira Soares, Universidade estadual do oeste do parana; Luis Guillermo Velásquez Pérez, Universidade Estadual de Campinas ( UNICAmP)*

Innovación Financiera: Fintech *Sergio Solís Tepexpa, Universidad Autónoma Metropolitana; Kerena Torres Castañeda, Universidad Autónoma Metropolitana, Dpto. Producción Económica y Posgrado en Economía, Gestión y Pol*

Proveedores de soluciones de Industria 4.0 en Argentina, potencialidades y límites *Sebastián Fernández Franco, Centro de Estudios sobre Población, Empleo y Desarrollo (CEPED) - UBA; Juan Graña; Cecilia Rikap, CITYPERC, City, University of London. CONICET, Argentina; Verónica Robert, Investigadora CONICET, Universidad Nacional de San Martín*

Una agenda del futuro del trabajo para países sub-desarrollados. Lo que el mainstream olvidó *Sebastián Fernández Franco; Juan Graña, Instituto de Investigaciones Económicas-Univ. de Buenos Aires*

Chair:

**Juan Graña**

# THURSDAY

Session Organizer:

**Daniel Villavicencio**, Univ. Autónoma Metropolitana-Xochimilco

## 119. Indeterminacy, Uncertainty, Potentiality II

11:00 to 1:00 pm

Building B: B111

Participants:

Modes of Address and Matters of Apprehension: How Ecocriticism Encounters (Un)inhabitable Futures *Alice L Turski, The University of British Columbia*

Infrastructure is a Verb: Geomorphology of Disjuncture in Thailand's Catastrophic Flooding *Jerome Whitington, New York University*

How to give license to indeterminate futures *Gisa Weszkalnys, LSE - London School of Economics and Political Science*

Discussant:

**Timothy Neale**, Deakin University

Chair:

**Gisa Weszkalnys**, LSE - London School of Economics and Political Science

Session Organizer:

**Jerome Whitington**, New York University

## 120. Environmental Futures – Promoting Images Of Desirable Human-Nature Relationships I

11:00 to 1:00 pm

Building B: B 201

Participants:

Eating Temporalities: Food as an artifact of past and future environments, and a medium for multi-temporalities *Allie E.S. Wist, RPI*

Thinking Through Shorelines: Pursuing Hopeful More-Than-Human Futures *Christopher Rogers, University of Waterloo*

Contemporary Indigenous Dispossession in Salmon Restoration *Amanda Barnett, UC Berkeley*

Discussant:

**Lauren Withycombe Keeler**, School for Future of Innovation in Society, Arizona State University

Chair:

**Ludwig Weh**, Fraunhofer IMW

Session Organizer:

**Ludwig Weh**, Fraunhofer IMW

## 121. Tecnologías Estratégicas en América Latina: abordajes, experiencias y recomendaciones de política para el desarrollo sustentable II

11:00 to 1:00 pm

Building C: C010

Participants:

Estrés Hídrico en el Estado de Guanajuato, el Papel de la Industria Automotriz y la Inversión Extranjera Directa: Caracterización Económica (2010-2020)

## THURSDAY

*Mayra Dalia Sánchez Gálvez, UNAM; Seyka Sandoval, UNAM*

Generación de capacidades tecno-productivas para la transición energética.

Análisis socio-técnico del Programa de desarrollo de la industria solar

térmica (PRODIST) en Argentina *Santiago Manuel Garrido,*

*CONICET/Universidad Nacional de Quilmes; Jorge Chemes, Universidad*

*Tecnológica Nacional, Facultad Regional Rosario, Conicet; Pablo Bertinat,*

*Universidad Tecnológica Nacional, Facultad Regional Rosario; Guillermo Martín*

*Santos, Instituto de Estudios sobre la Ciencia y la Tecnología*

Has the Long-Range Planning of Technological Developments Ever Been

Attempted? Emerging Lessons from Satellite Telecommunications in

Argentina. *Gustavo Seijo, Universidad Nacional de General Sarmiento /*

*CONICET*

Implicaciones De La Brecha Digital en México Como Blanco Móvil Para El

Desarrollo *Angélica Maza, Facultad de Economía -UNAM*

Enfoque Socio-Técnico Asociado Al Proyecto: "A Database Of Field-Based

Radar Images To Assist In The Safe Removal Of Landmines In Colombia"

*JAVIER JIMENEZ, CTS-Lab FLACSO / Divergence; MONICA BUSTAMANTE,*

*Universidad Nacional de Educación, Ecuador*

Chair:

**JAVIER JIMENEZ**, CTS-Lab FLACSO / Divergence

Session Organizer:

**JAVIER JIMENEZ**, CTS-Lab FLACSO / Divergence

### 122. Security Technologies, or, How to Live With Others II: Migration, Race and Borders

11:00 to 1:00 pm

Building C: C012

Participants:

Living with Au Pair Others: Transnational Match-Making Platforms for In-Home  
Domestic Work and the Obfuscation of the Political Economy of Labour and  
Migration *Angela Kintominas, University of New South Wales, Sydney*

El otro muro: vigilancia y control en la frontera sur de México (1954-1999))  
*gerardo sanchez nateras, Centro de Investigación y Docencia Económicas*

Friendship, flying and protest: the securitisation of civil aviation *Angela Smith,*  
*UNSW Sydney*

Metafictional Critiques of Racialized Surveillance in Asian American Studies  
*Alice L Turski, The University of British Columbia*

Discussant:

**Siddharth Narrain**, UNSW

Chair:

**Siddharth Narrain**, UNSW

Session Organizers:

*Angela Smith, UNSW Sydney*

*Siddharth Narrain, UNSW*

*Sonia Qadir, UNSW Law*

# THURSDAY

## 123. Productive Tensions between Critical STS Pedagogy and Critical STS

11:00 to 1:00 pm

Building C: C105

Participants:

Creating Solidarity Space: The Critical (STS) Pedagogy group. *Cora Olson, Virginia Tech*

Collaborative Tensions and the Building of a Critical STS Community *John Kojo Aggrey, Virginia Tech*

Collaboration as Partiality *Christine M Labuski, Virginia Polytechnic Institute and State University*

Critical Curriculum? *Liora O'Donnell Goldensher, Virginia Tech, Science and Technology Studies*

Discussant:

**Francesca Battista**, Virginia Tech STS

Chair:

**Liora O'Donnell Goldensher**, Virginia Tech, Science and Technology Studies

Session Organizer:

**Cora Olson**, Virginia Tech

## 124. Monitoring from below: Community-directed science and health inequities

11:00 to 1:00 pm

Building C: C108

Participants:

Community Based Monitoring on Localized Water Contamination in Eastern Tijuana, México *Carolina Prado, San Francisco State University; Guillermo Douglass-Jaimes, Pomona College*

Exposing Gaps in Environmental Governance through Community-based Air Monitoring near Texas Oil and Gas Extraction *Lourdes Annette Vera, University at Buffalo*

Repairing Relations with City Soils through Community Science *Salvatore Engel-Di Mauro, SUNY New Paltz; Kathy High, Rensselaer Polytechnic Institute; Abby Kinchy, Rensselaer Polytechnic Institute; Tal Margalit, Rensselaer Polytechnic Institute; Hannah Price, Rensselaer Polytechnic Institute; Mónica Ramírez-Andreotta, University of Arizona; Sebastian Ureta, Universidad Alberto Hurtado; Daniel Valenzuela, Universidad Santo Tomás; Dan Walls, Rensselaer Polytechnic Institute; Chie Xu, Yale University; Caleb Yunis, Universidad Alberto Hurtado*

Tracing the Politics of Community-Based Monitoring and Decision-Making in the Arctic *Nicole J. Wilson, University of Manitoba*

The color story of Bakersfield: Natural dyes, water contamination, and public art as community monitoring *Vivian Underhill, University of California Santa Cruz*

Chair:

**Nicole J. Wilson**, University of Manitoba

Session Organizer:

**Carolina Prado**, San Francisco State University

## THURSDAY

### 125. Living with Water II

11:00 to 1:00 pm

Building C: C110

Participants:

Living with a dying lake. Historical-ethnographic pathways into the more-than-human landscape of Lake Poopó, Bolivia *Hanne Cottyn, Researcher*

The protection of Posidonia Oceanica in the Balearic Islands: knowledge production as caring for marine environments *Jose A. Cañada, University of Exeter*

Tsangy: Living With The Sand Water Carries In Central Madagascar's Floodplains *Gabrielle Robbins, MIT HASTS*

Mud, floods, and salinity: Living with water in the Mekong Delta *Jacob Weger, Seton Hall University*

Living with Unruly Waters: Risk and Uncertainty in the Sundarbans *Calynn Dowler, Vanderbilt University*

Chair:

**Dana Burton**, George Washington University

Session Organizer:

**Jacob Weger**, Seton Hall University

### 126. South-North and Global Dialogs in Science

11:00 to 1:00 pm

Building C: C207

Participants:

Modern Values and Kallpachay: Cold War Social Science and the Probing of Indigenous Interiors in the Peruvian Andes *Jason Pribilsky, Whitman College*

Anthropologists Debate Indigenous Identities: The View from Latin America *Julia E Rodriguez, University of New Hampshire*

Understanding Astronomy beyond North - South Contradictions *Barbara Kirsi Silva, Universidad Alberto Hurtado*

Discussant:

**Karin Rosemblatt**, University Of Maryland College Park

Chair:

**Karin Rosemblatt**, University Of Maryland College Park

Session Organizer:

**Julia E Rodriguez**, University of New Hampshire

### 127. Unsettling Taxonomic Difference: Caring for More-Than-Human Ecologies

11:00 to 1:00 pm

Building D: D003

Participants:

Dead Language: Holotypes, taxonomy, and how we know the biotic world

*Pamela Camille Perrimon, Annenberg School for Communication & Journalism, University of Southern California*

Plasticity and the Incommensurate: Undoing the Human, Reconstellating the

## THURSDAY

Body in Potentia *Dolma Ombadykow, Yale University*

Watery Metabolisms of Empire: Long Nineteenth Century Watermills in More-Than-Human Worlds *Johannes Chan, Department of Science & Technology Studies, York University*

Traumatised Earth and incarcerated Lightning beings *Rose Bigheart O'Leary, University of California, Irvine; Benedict John Turner, University of California, Irvine*

Damaged But Managed: Honey Bees as Technologies of War *Pamela Forgrave, Trent University*

Chair:

**Salina Suri**, Harvard University - History of Science

Session Organizer:

**Hina Walajahi**, MIT HASTS

### 128. Science In The City II

11:00 to 1:00 pm

Building D: D005

Participants:

Urbanizing Biotechnology: Scientific Knowledge Production Through Space  
*Robin Wolfe Scheffler, Massachusetts Institute of Technology (MIT)*

The Urban Lab: Imaginative Work in the City *Sabrina Huizenga, Erasmus University Rotterdam; Dara Ivanova, Erasmus School of Health Policy and Management*

Sciences of the 'Medical Ghetto': Community Technologies and the Transformation of Urban Health in the Long 1970s *Jeremy A Greene, Johns Hopkins University*

The Underside of Innovation: Global Health, Urban Development, and Atlanta's Plasma Economy *Kelsey Mae Johnson, University of Toronto*

Chair:

**Jeremy A Greene**, Johns Hopkins University

Session Organizer:

**Robin Wolfe Scheffler**, Massachusetts Institute of Technology (MIT)

### 129. Climate Infrastructures III: Climate Infrastructures in Time and Place

11:00 to 1:00 pm

Building D: D006

Participants:

Bearing the Heat: Gendering Transient Infrastructures in the Southern City  
*Anushree Gupta, IIT Hyderabad; Tanaya Bhowal, IIT Hyderabad; Bhashwati Sengupta, Hyderabad Urban Lab; Aalok Khandekar, Indian Institute of Technology Hyderabad*

Built-in Breakdown: Resiliency of Ephemeral Bamboo Bridge in Laos *Miki Namba, Kagoshima University*

Collaborative Knowledge as Climate Infrastructure: Place-Based Learning in California and Louisiana *Preerna Srivyan, University of California - Irvine; Margaux Fisher, UC Irvine*

## THURSDAY

Reconfiguring Climate Code *Samara Hayley Steele, University of California at Davis*

Chair:

**Gökçe Günel**, Rice University

Session Organizers:

**Aalok Khandekar**, Indian Institute of Technology Hyderabad

**Alison Kenner**, Drexel University

**Gökçe Günel**, Rice University

**Maka Suarez**, University of Oslo / Kaleidos - Center for Interdisciplinary Ethnography

### 130. Reconfiguring knowledge production of China in the “new normal”

11:00 to 1:00 pm

Building D: D008

Participants:

Reframing Knowledge through Transnational Digital Platforming: A Photowalk in Huangyan, China and Thüringen, Germany with WeChat Group 'URA 照片共享群' *Kit Braybrooke, Technische Universität Berlin; Huang Huang, College of Architecture and Urban Planning, Tongji University China*

Researching While Chinese The China Initiative and its impacts on the science and technology communities in the US *Lin Zhang, 34 Tideview Dr; Tu Lan, University of New Hampshire*

Sense and Sensitivity: On the “Politically Sensitive” Qualitative Research in China *Chuncheng Liu, UC San Diego*

Chair:

**Yuchen Chen**

Session Organizers:

**Chang Liu**, University of Illinois at Urbana-Champaign

**Chuncheng Liu**, UC San Diego

**Alex Jiahong Lu**, University of Michigan

### 131. Subterranean Anthropology: Locating Power And Politics Below Ground

11:00 to 1:00 pm

Building D: D102

Participants:

Cultivating Solar Energy Above and Below Ground *Emilia Grupp, Stanford University*

“Subterranean” Korean Outer Space *Hae Seo Kim*

Awakening in the Dark: Okinawa’s Caves as Sites for Experimental Counter-Politics in Japan *Aaron Hopes, Stanford University*

Cosmos, Cloud, and Underground: The Production and Circulation of Astronomical Big Data in Chile’s Atacama Desert *Katheryn M Detwiler*

Discussant:

**Valerie Olson**, UC Irvine

Chairs:

## THURSDAY

**Emilia Groupp**, Stanford University  
**Aaron Hopes**, Stanford University

Session Organizers:

**Emilia Groupp**, Stanford University  
**Aaron Hopes**, Stanford University

### 132. Architecture and Urban STS II

11:00 to 1:00 pm

Building D: D105

Participants:

Gender And Urban Sustainable Mobility: An Ecofeminist Perspective *sonia malik, jawaharlal nehru university, India*

Technological Consequences of Miscarriages of Justice: The West Virginia University Personal Rapid Transit and the 'Co-ed Murders' *Simon A Cole, Univ Of Ca-Irvine; Alyse Bertenthal*

Variable Boundaries, Visual Imaginaries, and the Architecture of Security  
*Rebecca Smith, Taubman College of Architecture and Urban Planning, University of Michigan*

Chair:

**Rebecca Smith**, Taubman College of Architecture and Urban Planning, University of Michigan

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### 133. Science Communication II

11:00 to 1:00 pm

Building D: D108

Participants:

Political Prescriptions and Epistemic Corruption in the Pandemic *Nishtha Bharti, Indian Institute of Technology, New Delhi; Sergio Sismondo, Queen's University*

The cultural transmission system as a guide to communicating with people regarding stem cell research and regenerative medicine *Shibly Shahrier, Center for iPS Cell Research and Application, Kyoto University; Kayo Takashima, Kyoto University; Jusaku Minari, Kyoto University*

Un caso de periodismo en CTS como medio articulador de EDU-CTS en San Pedro Cholula *Alejandro Hernández-Daniel, Instituto Estatal de Educación para Adultos 01 Cholula*

Media discourse on the scientific evaluation of the Children's Thyroid Study  
*Midori Aoyagi, National Institute for Environmental Studies*

The Public Facing Discourse Of "Forever Chemicals" In The U.S. *Sonia Monet Saxon, University of Illinois at Chicago*

Chair:

**Sergio Sismondo**, Queen's University

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## THURSDAY

### 134. Sonic Street Technologies (SST) as a Means of Emergence and Survivance: Technological Genealogies and Diaspora

11:00 to 1:00 pm

Building D: D202

Participants:

Culture, power and technology in Jamaican sound system culture: past and present *Sonjah Stanley Niaah, University of West Indies, Mona; Dennis Howard, University of the West Indies at Mona; Ashly Cork, University of the West Indies at Mona*

Migration, diaspora and sites of experimentation: sound systems in France and its Afro-Caribbean genealogy *Jean-Christophe Sevin, Avignon Université; Maria Emilia Escamilla, Avignon Université*

Women in the Brazilian reggae scene: Feminine Hi-Fi *Daniella Pimenta, Feminine Hi-Fi; Andrea Lovesteady, Feminine Hi-Fi; Laylah Arruda, Feminine Hi-Fi*

Sonic activism as a social and political practice: *El Gran Latido, Colombia Ricardo Vega, El Gran Latido*

Reconfiguring secular community spaces in India: *Monkey Sound System Dakta Dub, Monkey Sound System; Roy Dipankar, Monkey Sound System*

Chair:

**Julian Henriques**, Goldsmiths, University of London

Session Organizer:

**Aadita Chaudhury**, Goldsmiths, University of London/York University, Canada

### 135. Underflows and Bad Dog: Authors Meet Critics

11:00 to 1:00 pm

Building D: D205

Participants:

Bad Dog: Pit Bull Politics and Multispecies Justice *Harlan Weaver, Kansas State University*

Underflows: Queer and Trans Ecologies and River Justice *Cleo Woelfle Hazard, UW Seattle*

Discussants:

**Melina Packer**, University of California, Riverside

**Jia Hui Lee**, Haverford College

Chair:

**Cleo Woelfle Hazard**, UW Seattle

Session Organizer:

**Harlan Weaver**, Kansas State University

### 136. Abysmal infrastructures. Energy communities in the maintenance, repairing, improvement, or abandonment II

11:00 to 1:00 pm

Building D: D208

Participants:

Communicating Sovereignty: Abysses of Infrastructural Memory in James Bay *Rory Sharp, York University; Aviva Weizman, York University*

## THURSDAY

El Camino de Hierro en el norte de Yucatán, la estación de Valladolid, una Infraestructura en el abandono. *Javier Sánchez González*

The BIOS Project and the political ecology of failure in Lancaster Sound  
*Jonathan Peyton, University of Manitoba; James Wilt, University of Manitoba*

Operationalising recognition in energy justice *Nynke van Uffelen, TU Delft*

Diesel entanglement with Puerto Eden in providing access to electricity *Cecilia Ibarra, Universidad de Chile*

Chair:

***Nynke van Uffelen, TU Delft***

Session Organizer:

***Gloria Baigorrotegui, Instituto de Estudios Avanzados - Usach***

### **137. EASTS International Editorial Meeting**

*1:00 to 2:00 pm*

*Building A: A008*

Chair:

***Wen-Hua Kuo, National Yang Ming Chiao Tung University***

Session Organizer:

***Wen-Hua Kuo, National Yang Ming Chiao Tung University***

### **138. Holtz Center for Science & Technology (University of Wisconsin-Madison) & Tapuya: Latin American Science, Technology and Society Meet-up**

*1:00 to 2:00 pm*

*Building A: A202*

Chair:

***Sainath Suryanarayanan, Holtz Center for Science & Technology Studies, University of Wisconsin-Madison***

Session Organizer:

***Luisa Fernanda Grijalva Maza, International Relations Department, UPAEP Universidad***

### **139. Cultivating an ethical ethos in our STS communities**

*1:00 to 2:00 pm*

*Building A: A204*

Chairs:

***Emma Kowal, Deakin University***

***Anne Pollock, King's College London***

Session Organizers:

***Anne Pollock, King's College London***

***Emma Kowal, Deakin University***

### **140. Cafázim: Latinx Scholars in the Global North Meet Up**

*1:00 to 2:00 pm*

*Building A: A205*

Chair:

***Raquel Velho, Rensselaer Polytechnic Institute***

Session Organizers:

## THURSDAY

**Conference Chairs**, 4S/ESOCITE  
**Raquel Velho**, Rensselaer Polytechnic Institute

### 141. Tecnodemocracia: Tecnociencia, experticia y la reconfiguración de la política

2:00 to 4:00 pm

Building A: A004

Participants:

Digital Power, Democracy, and Surveillance in North and South *Victoria Bernal, UC, Irvine*

La inteligencia de las máquinas naturales *Agustín Mercado, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM*

Secure current in Kinshasa: thanks to good neighbors, a lightbulb and a stabilizer *Katrien Pype, KU Leuven*

¿A quién le sirve la evaluación?: Experticia en evaluación y sus públicos technodemocráticos *Diana Graizbord, University of Georgia*

De-Documenting Birth: Interrogation of Citizenship and Birth in the Texas-Mexico Borderlands *Orlando Lara, University of California, Irvine*

Discussant:

**Analiese Richard**, Universidad Autonoma Metropolitana

Chair:

**Orlando Lara**, University of California, Irvine

Session Organizers:

**Analiese Richard**, Universidad Autonoma Metropolitana

**Victoria Bernal**, UC, Irvine

### 142. Disentangling the Politics of Plastics II

2:00 to 4:00 pm

Building A: A008

Participants:

Circular Economy frameworks for plastic recycling systems *javier de rivera, Universidad de Vigo*

Disentangling Plastics From Single-use Coffee Paper Cups *Colin Hill, Lancaster University Management School*

Materialising Microplastics: The Politics of Disentanglement in the Laboratory *Ryan Shum, University of Exeter*

Plastic Activism and its Critique *Paul Jobin; Erich Hellmer, Academia Sinica, Taiwan*

Chair:

**Kim De Wolff**, University of North Texas

Session Organizer:

**Paul Jobin**

### 143. Ecologies of re-mediation II

2:00 to 4:00 pm

Building A: A012

Participants:

# THURSDAY

Remediating breeds through gene banking *Jenske Bal, Université de Liège (SPIRAL)*

Reading cattle bodies *Simon Vanderstraeten, Université de Liège (SPIRAL)*

Questioning genomics infrastructures in the case of cattle livestock selection and reproduction *François Thoreau, Spiral, University of Liege; Daniele Valisena, Université de Liège (SPIRAL)*

Chair:

**François Thoreau**, Spiral, University of Liege

Session Organizer:

**François Thoreau**, Spiral, University of Liege

## **144. Emancipatory Technopolitics: alternative infrastructures, emergent solidarities, contested ontologies**

*2:00 to 4:00 pm*

*Building A: A102*

Participants:

Participatory Infrastructure and Infrastructure for Participation: Discursive and Material Relations of Production and Maintenance for Digital Democracy *Ben Gansky, Arizona State University; Lindsay Adams Smith, Arizona State University*

Alt-Tech and Emergent Online Spaces *Michael Simeone, Arizona State University; Shawn Walker, Arizona State University*

Forensic Speculations for a More-Than-Human Justice *Lindsay Adams Smith, Arizona State University; Maria Torres, Arizona State University*

A Theory of Discursive Essentialism *Joshua Morris Hurwitz, Stanford GSB*

Chair:

**Lindsay Adams Smith**, Arizona State University

Session Organizer:

**Ben Gansky**, Arizona State University

## **145. Fraught politics of emergence and neglect in Global Health: Security regimes**

*2:00 to 4:00 pm*

*Building A: A104*

Participants:

(De)Nationalizing Emergence: Chagas Disease in the United States *Bernardo Moreno Peniche, UC Berkeley*

Global health and the political economy of moral sensibility *João Nunes, University of York*

More-Than-Human Segurança between Emergence and Neglect: Wolbachia-infected Aedes aegypti as Biotechnology of Epidemic Control in Rio de Janeiro, Brazil *Luisa Reis Castro, University of Southern California*

Public-Private Partnerships and the Neglected Tropical Diseases Research and Development Landscape: changing the logic and spaces of knowledge production *Hugo Ferpozzi*

The NTDs as an Operative and Imaginative Category in Global Health: Lessons

# THURSDAY

from Onchocerciasis Interventions, 1970-present *Mari Webel, University of Pittsburgh*

Discussant:

**Andrew Lakoff**, University of Southern California

Chair:

**Bernardo Moreno Peniche**, UC Berkeley

Session Organizer:

**Lina Beatriz Pinto-Garcia**, Universidad de los Andes

## 146. The Play The World Needs Right Now: New Directions for Game Studies

2:00 to 4:00 pm

Building A: A106

Participants:

Local Play In A Global Pandemic: Changing Models, Expectations, and Accessibility Issues *Allen Kempton, Faculty of Information, University of Toronto*

"Is Valorant and Riot Vanguard safe?": Mapping The Controversy Around Vanguard Anti-Cheat Software *Daniela Albini Pinheiro, University of Campinas - UNICAMP; Evandro Luiz Loyolla Moreira, University of Campinas (Unicamp); Renan Neves de Oliveira, University of Campinas (Unicamp)*

Making (Outer) Space To Play: A Cosmic History Of The American Video Game  
*Alexander John Daniel Mirowski, Catalent*

Chair:

**Alexander John Daniel Mirowski**, Catalent

Session Organizer:

**Alexander John Daniel Mirowski**, Catalent

## 147. The social cognition of human rationality

2:00 to 4:00 pm

Building A: A110

Participants:

Narratives, Historicity And Epistemic Artifacts In Scientific Resesearch *Natalia Carrillo, University of Vienna*

The Coordination In Metaphorical Comprehension. *Kirareset Barrera, UNAM*

Dual Theories In Reasoning And Moral Psychology *Jonatan García Campos, Universidad Juarez del Estado de Durango; Paola Hernández Chavez, Universidad de Durango*

Heuristic Reasoning: from the adaptive toolbox to artefactual models of reasoning *Ana Laura Fonseca, Universidad Autónoma de San Luis Potosí*

Entrainment and Technological Scaffoldings *Sergio Martínez, UNAM; Ximena Gonzalez, Universidad Iberoamericana CD MX*

Discussant:

**Melina Gastelum**, Universidad Nacional Autonoma De Mexico

Chairs:

**Melina Gastelum**, Universidad Nacional Autonoma De Mexico

# THURSDAY

**Sergio Martínez**, UNAM

Session Organizer:

**Melina Gastelum**, Universidad Nacional Autonoma De Mexico

## 148. Another Research is Possible III

2:00 to 4:00 pm

Building A: A112

Participants:

Imagining possible possibilities: a discussion the collaborative 'Alternatives to Extractivism' project *Esther Anne Julia Miedema, Amsterdam Institute for Social Science Research, University of Amsterdam; Carla Braga, University Eduardo Mondlane; Evelien de Hoop, Athena Institute, Vrije Universiteit Amsterdam*

Interviewing Interviewers: Collaborative Research and the Gatekeeping of Authority *Nelanthi Hewa*

Is Grounded Design Enough? Reconsidering Objectivity And Neutrality In Academic Research *Sarah Rüller, University of Siegen, Germany; Konstantin Aal, University of Siegen; Belén Giménez Cicciolli, University of Siegen*

To do Science is to Organize: Strong Participation Instruments for Scientific Chilean Excellence Centres *Juan Felipe Espinosa-Cristia, Universidad Tecnica Federico Santa María; Nicolás Trujillo Osorio, Universidad Adolfo Ibañez*

Chair:

**Gretchen Lynn Gano**, Prescott College

Session Organizer:

**Gretchen Lynn Gano**, Prescott College

## 149. Claiming Technology: Nationalism and Knowledge Production in the 21st Century I

2:00 to 4:00 pm

Building A: A202

Participants:

Claiming Authorship Through Performative Acts: A Critical Analysis *Sandra Patricia Gonzalez-Santos, Universidad Anahuac*

Future, Present, Past: Stabilising National Identities Through Flexible Practice *Sahar Tavakoli, Cornell University STS*

National and Local Seeds: Discussions of Heirloom Seeds in Turkey *Maral Erol, Isik University; Müzeyyen Pandır, Isik University*

History and politics of maize collection: Maize agency and the making of national identities in Mexico *Marianna Fenzi, Unilversité de Lausanne; Jean Foyer, Centre de Recherche et de Documentation des Amériques/CNRS. Paris, France*

Biological Ethnonationalism: The Case of Myanmar *Chan Lwin*

Mexico in Orbit: Satellites, National Identity, and the Conquest of Outer Space *Anne Warren Johnson, Universidad Iberoamericana Ciudad de Mexico*

Chair:

**Maral Erol**, Isik University

# THURSDAY

Session Organizer:

**Sandra Patricia Gonzalez-Santos**, Universidad Anahuac

## 150. From Using Technology to Wearing and Caring II

2:00 to 4:00 pm

Building A: A204

Participants:

WEARING DATA – Sense(-making) and sensibility between body-knowledge and data-driven Type 1-Diabetes technologies *Magdalena Eitenberger, University of Vienna, Department of Political Science*

From Wearing Disguise to Wearing Masquerade: Rethinking Everyday Resistance to Surveillance and Control *Alex Jiahong Lu, University of Michigan*

Affective beauty: The techniques of water permeability and sociable piety with Indonesian halal cosmetics *En-Chieh Chao, National Sun Yat-sen University*

Data Visceralization and the Politics of Walking in Migrant Narratives *Kim Brillante Knight, The University of Texas at Dallas; Juan Llamas-Rodriguez, Annenberg School for Communication, University of Pennsylvania*

Eco-friendly practices as matters of care: Wearing is caring, caring is wearing *MASSILIA OURABAH, UGent*

Chair:

**Chris Hesselbein**, Politecnico di Milano

Session Organizer:

**Chris Hesselbein**, Politecnico di Milano

## 151. Controversias públicas sobre ciencias y tecnologías emergentes: abordajes sociotécnicos y diversidad de conocimientos III

2:00 to 4:00 pm

Building A: A205

Participants:

Relações de poder envolvidas em intercâmbios entre conhecimentos em um sistema inovativo periférico no Brasil *Letícia Bastos, Unicamp - Universidade Estadual De Campinas; Flavia Consoni, UNICAMP; Fernando Campos Mesquita, Universidade Estadual de Campinas*

Secularism, science, and belief in Mexico: bringing science closer to Mexican society *Juan Manuel Rodriguez-Caso, UNAM*

Herramientas de big data convenientes para reivindicar las contribuciones de científicos de América Latina. *Maria de la Paz Ramos Lara, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades de la Universidad Nacional Autónoma de México (CEIICH-UNAM)*

Chair:

**Maria de la Paz Ramos Lara**, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades de la Universidad Nacional Autónoma de México (CEIICH-UNAM)

Session Organizer:

**Maria de la Paz Ramos Lara**, Centro de Investigaciones Interdisciplinarias en

## THURSDAY

Ciencias y Humanidades de la Universidad Nacional Autónoma de México  
(CEIICH-UNAM)

### **152. In Memoriam-Día de Muertos Project I**

*2:00 to 6:30 pm*

*Gymnasium: Altar*

Session Organizer:

**Sandra Patricia Gonzalez-Santos**, Universidad Anahuac

### **153. Making & Doing: The Museum of Afrofuturities**

*2:00 to 6:30 pm*

*Building C: Aula Magna C201*

### **154. Politics of Language in the Landscape of STS: Experiments, Infrastructures, and Collaborations**

*2:00 to 4:00 pm*

*Building B: B102*

Chair:

**Aalok Khandekar**, Indian Institute of Technology Hyderabad

Session Organizers:

**Duygu Kasdogan**, Izmir Katip Çelebi University

**Noela Invernizzi**, Universidade Federal do Paraná

**Alison Kenner**, Drexel University

### **155. Critical datafication, platformization and algorithmic cultures from Latin America and the Global South III**

*2:00 to 4:00 pm*

*Building B: B103*

Participants:

Comunidades de discusión en Twitter: desmontando las cámaras de eco en la conversación sociodigital **Antony Flores Merida**, *Signa\_Lab*

Estrategias de observación, registro y análisis en espacios sociodigitales: la metodología multicapa de *Signa\_Lab*-ITESO **Rossana Reguillo Cruz**, *Signa\_Lab*; **Antony Flores Merida**, *Signa\_Lab*; **Víctor Hugo Ábreo Molina**, *Signa\_Lab*; **Paloma López Portillo Vázquez**, *Signa\_Lab*; **Diego Arredondo Ortiz**, *Signa\_Lab*; **Eduardo G. de Quevedo Sánchez**, *Signa\_Lab*

Expresiones de malestar en la economía colaborativa: hacia un estudio comparado de la política contenciosa frente a las plataformas de transporte y reparto en América Latina **Ronald Saenz**, *University of Costa Rica*

Hackeando al machismo y a los algortimos en Bolivia **STEPHANIE Morón Terrazas**, *Universidad Iberoamericana Cuidad de Mexico*

Chair:

**STEPHANIE Morón Terrazas**, Universidad Iberoamericana Cuidad de Mexico

Session Organizer:

**GABRIELA ELISA SUED**, UNAM

### **156. Human Rights, Violence(s), and STS I: Data and Mobility**

*2:00 to 4:00 pm*

## THURSDAY

*Building B: B105*

Participants:

Human Rights in the Regime of (Ac)Countability *Benedict Salazar Olgado, University of California, Irvine*

"It is everywhere": An exploration of the ecologies of violence on Colombian social media platforms *Esteban Morales, The University of British Columbia*

Deep Forensic Practices in the US-Mexican Border: Ecological Restoration and Border Violence in the Laguna Grande *María Torres Martínez, Arizona State University; Lindsay Adams Smith, Arizona State University*

El valor de la vida y de la muerte en los ensamblajes fronterizos *Paola DIAZ-LIZE, Instituto Milenio Violencia y Democracia/ CEMS-EHESS-France*

Discussant:

**Fredy Mora Gamez**, University of Vienna

Chair:

**Paola DIAZ-LIZE**, Instituto Milenio Violencia y Democracia/ CEMS-EHESS-France

Session Organizer:

**Fredy Mora Gamez**, University of Vienna

### **157. Doing Your Own Research: Legitimacy, Authority and Credibility within Resistant Research Communities I**

*2:00 to 4:00 pm*

*Building B: B108*

Participants:

"16 Concerned Scientists," or the Paradox of Scientific Authority in Climate Change Skepticism *Shenghe Ye, The University Of Chicago*

Fumigate or not fumigate? Controversies over the use of glyphosate in the War on Drugs in Colombia *Javier Guerrero-C, Instituto Tecnológico Metropolitano; Jorge M Escobar, Instituto Tecnológico Metropolitano; Victoria Estrada, Instituto Tecnológico Metropolitano*

Making Expertise Legitimate: "Biohackers" as a Morally Ambiguous Case for Analyzing Battles Over Expert Authority *Clay Davis, Northwestern University*

Refusing to Arbitrate Truth: Structural Interventions in Disinformation by Computer Scientists in Brazil *Meg Stalcup, University of Ottawa*

Chair:

**Meg Stalcup**, University of Ottawa

Session Organizer:

**Yvonne Melisande Eadon**, Department of Information Studies, UCLA

### **158. Indeterminacy, Uncertainty, Potentiality III**

*2:00 to 4:00 pm*

*Building B: B111*

Participants:

Anticipating Extinction, Seeding Futures *Eva Rose Steinberg, CUNY Graduate Center*

## THURSDAY

The Monsoon and the Market: The Potentiality of Uncertainty in Agrarian India  
*Tanya Matthan*

Substitution, Sequestration, Sink? Parsing Speculative Carbon Flows across Forests and the Built Environment *Megan Wiessner, New York University*

The Mechanism Will Not Hold: How Microbial Talents Defy Certainty in Agriculture *Marie F Turner, Colorado State University*

Discussant:

**Mylène Tanferri**, Université de Lausanne

Chair:

**Marie F Turner**, Colorado State University

Session Organizer:

**Jerome Whitington**, New York University

### **159. Environmental Futures – Promoting Images Of Desirable Human-Nature Relationships II**

**2:00 to 4:00 pm**

**Building B: B 201**

Participants:

Human-Nature interactions for sustainability : Knowledge and livelihoods vs. economic development in the Banni grassland *Debanjana Dey, DST-CPR, Indian Institute of Science*

Reflexiones Alrededor Del Concepto De Biodiversidad En Biología De La Conservación. *Carolina Vazquez*

The economic constitution of biological wellbeing: European environmental governance in pursuit of new economies *Tess Doezena, Autonomous University of Barcelona*

Discussant:

**Juan David Reina Rozo**

Chair:

**Ludwig Weh**, Fraunhofer IMW

Session Organizer:

**Ludwig Weh**, Fraunhofer IMW

### **160. Making & Doing: Projections**

**2:00 to 6:30 pm**

**Building B: B205**

### **161. Making & Doing: Performances**

**2:00 to 6:30 pm**

**Building B: B206**

### **162. Tecnologías Estratégicas en América Latina: abordajes, experiencias y recomendaciones de política para el desarrollo sustentable III**

**2:00 to 4:00 pm**

**Building C: C010**

Participants:

Inserción De Argentina En La Cadena Global De Valor De La Electrónica De

## THURSDAY

Consumo Florencia Etel Urcelay, Universidad Nacional de Luján

Políticas explícitas e implícitas en el mercado satelital geoestacionario argentino (1993-2019) Yamila Noely Cáceres; Florencia Etel Urcelay, Universidad Nacional de Luján

Tecnologías Estratégicas y Desarrollo. El Caso Del Reactor CAREM (1984-2014)

Juan Einar Cristensen, IESCT-UNQ (Institute of Science and Technology Studies - Universidad Nacional de Quilmes) / CONICET; Juan F Picabea, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes

La naturaleza de los vínculos y el escalamiento en el subsector hortícola en México. Seyka Sandoval, UNAM; Blanca Araceli Borja, Facultad de Economía - UNAM

Chair:

**Blanca Araceli Borja**, Facultad de Economía -UNAM

Session Organizer:

**Seyka Sandoval**, UNAM

### 163. Security Technologies, or, How to Live With Others III: Law and Materiality

2:00 to 4:00 pm

Building C: C012

Participants:

Suspect Citizens to Suspected Terrorists: the Legal Politics of Pakistan's Terrorism Watch List Sonia Qadir, UNSW Law

Energy Security and the Role of Foreign Renewable Energy Investment Hui Helen Pang, UNSW Law

Out of control: the information in the US military manuals erico sant'anna perrella, State University of Campinas - UNICAMP

Discussant:

**Angela Smith**, UNSW Sydney

Chair:

**Angela Smith**, UNSW Sydney

Session Organizers:

**Angela Smith**, UNSW Sydney

**Sonia Qadir**, UNSW Law

**Siddharth Narrain**, UNSW

### 164. Chips all the way down: Epistemologies and ontologies of the microchip

2:00 to 4:00 pm

Building C: C105

Participants:

In/Just Electronics: Aesthetics and Politics of the Microchip Ezra Teboul, CIRMMT, McGill University

The Neuromorphic Mind, or Affect on the Analog Circuit Henry N Osman, Brown University

The Labor of Sociotechnical Imaginaries: Gujarati Diaspora in U.S. Printed Circuit Board Manufacturing Kinjal Dave, Annenberg School of

# THURSDAY

*Communication, University of Pennsylvania*

Making Chips, Making Territory: Open and Proprietary Technology Sovereignty  
Repertoires in Jalisco, Mexico *Veronica Uribe del Aguila, UC San Diego*

Chair:

**Veronica Uribe del Aguila**, UC San Diego

Session Organizers:

**MC Forelle**, Cornell University

**Zane Griffin Tally Cooper**, University of Pennsylvania, Annenberg School for  
Communication

## 165. STS Engagements with civil society and social justice activism: case studies of collective experiences

2:00 to 4:00 pm

Building C: C108

Participants:

Affordances of grassroots civic tech platforms against corruption in India  
*Anwesha Chakraborty, University of Bologna*

Citizen Social Science For Environmental Justice. Co-production Of Community  
Indicators At The Matanza-Riachuelo Basin (Argentina). *Leticia Castro,  
CONICET-CENIT, UNSAM*

Data Into Action: Twenty Years of STS-inspired Hacks for Environment and  
Justice. *Christopher Csikszentmihalyi, Cornell University; Marina Zafiris, Cornell  
University*

Exploring Intercultural Values in Relation to Global AI Ethics and Governance.  
*James Wright, The Alan Turing Institute*

Embedding STS insights in social activism: case study of a collaborative project  
between STS scholars and a non-profit organization *Stephane Couture,  
Université de Montréal; Sophie Toupin, Concordia University (Montreal,  
CANADA)*

Doing through Thinking, Thinking through Doing as a Way of conceiving the  
Indigenous Friends Initiative *ALEJANDRO MAYORAL BANOS, Indigenous  
Friends Association*

Chair:

**Fernando Martin Mayoral**, FLACSO Ecuador

Session Organizer:

**Stephane Couture**, Université de Montréal

## 166. Communities of Practice: Learning Together for Just Sciences

2:00 to 4:00 pm

Building C: C204

Participants:

Thinking Justice Together: Re-imagining Pedagogy and Research Across the  
Sciences and Humanities *Emily York, James Madison University; Daisy  
Breneman, James Madison University; Shannon N. Conley, James Madison  
University; Cindy Klevickis, James Madison University; Christine May, James  
Madison University; Elizabeth A. Reddy, Colorado School Of Mines; Holly*

## THURSDAY

*Yanacek, James Madison University*

Coproducción de conocimientos entre la Universidad de la República- Uruguay, actores de la sociedad civil y el Estado: discapacidad, desigualdades de género en el ámbito rural y producción agropecuaria familiar. *Maria Goñi Mazzitelli, Universidad de la República (Uruguay)*

Critical inclusion in technology design: Why diversity, strong objectivity and discomfort are necessary when designing equitable, gender inclusive digital technologies *Karly Burch, University of Otago; Mira O'Connor, University of Otago; Sandhiya Gounder, University of Otago; Katharine Legun, Wageningen University*

Synthetic Cell Laboratory Ethnography as a Method for Participatory and Reflective Research *Barbara Herr Harthorn, UC Santa Barbara; Jason Budge, University of California Santa Barbara; Laura Halcomb, University of California Santa Barbara*

Unlearning Defeatism: Using Guided Inquiry Learning for Envisioning Futures and Political Change *Elizabeth Patitsas, McGill University; Peter McMahan, McGill University*

Chair:

**Carolina Cruz-Vinaccia**, McGill University, McGill Space Institute

Session Organizers:

**Carolina Cruz-Vinaccia**, McGill University, McGill Space Institute

**Emma McKay**, McGill University

### 167. STS and the Method of Hope

2:00 to 4:00 pm

Building C: C207

Participants:

Against the False Hopes of "Real-time" in Biomedical Discourse: For a Materialist and Pessimist Technoscience *Stephen Molldrem, The University of Texas Medical Branch*

Demilitarisation, Open Worlds, and Reparative World-Making *Lucy Suchman, Lancaster University, UK*

Domestic Service Robotics, STS, and Hope for/Fear of the Not-Yet *Elliott Hauser, The University of Texas at Austin*

'Frictionless Data', Virtual Health, and Hoping Well *Michelle Charette, York University; Denielle Elliott*

Grassroots Infrastructure for Community Engaged Pedagogy: Contingency and Hope for Better Relations *Brandon Costelloe-Kuehn, Rensselaer Polytechnic Institute; Jennifer Cardinal, Rensselaer Polytechnic Institute; Guy Schaffer, Rensselaer Polytechnic Institute*

"Science-based" hope: desire, knowledge, and labor in corporate sustainability *Montserrat Perez Castro Perez, Dartmouth College*

Chair:

**Fernando Dominguez**, UC San Diego

Session Organizer:

# THURSDAY

**Steven Jackson**, Cornell University

## 168. Cerebral Frictions I

2:00 to 4:00 pm

Building D: D003

Participants:

Electrifying Pained Bodies: On the Re-Emergence of Electric Stimulation in Neurology and Psychiatry *Alexandra Middleton, Lund University; Benjamin Lipp, Cornell University*

Figures of Mind: Spiritual Innovation and the Patenting of Neurofeedback Devices *Andrew Ventimiglia, Illinois State University*

Living in the Age of Neuro-Digitalization. Patients with Amyotrophic Lateral Sclerosis in Brain Research *Melike Sahinol, Orient-Institut Istanbul*

Locating Epileptogenic Zones: Personal Medicine, Personalised Models, and Virtual Brains *Tara Mahfoud, University of Essex*

Chair:

**Megh Marathe**, Michigan State University

Session Organizers:

*Tara Mahfoud, University of Essex*

*Denielle a Elliott, York University*

**Megh Marathe**, Michigan State University

## 169. What is Sensory Justice?

2:00 to 4:00 pm

Building D: D006

Participants:

Flavor as a tool for sensory justice? *Oluwabukola Makinde, Arizona State University; Christy Spackman, SFIS - Arizona State University*

Tokolosh Technology: touching the internet? *Jess Auerbach, University of Cape Town*

Common Sense: Racial Interpellation and the Pursuit of Equality in Dermatological Vision *Yesmar Semaj Oyarzun, Rice University*

An expanded istifada: towards sensory justice for deaf Jordanians *Timothy Y. Loh, Massachusetts Institute for Technology (MIT)*

Seeing like a plant – indoor vertical farming as dis/connecting sensorial space between humans and plants *Mascha Gugganig, University of Ottawa*

Chair:

**Christy Spackman**, SFIS - Arizona State University

Session Organizer:

**Jia Hui Lee**, Haverford College

## 170. Writing With Animacy: Affect in human-non-human relations

2:00 to 4:00 pm

Building D: D008

Participants:

Aguas Encarnadas: Políticas de Defensa de la Vida de las Mujeres Wayúu,

# THURSDAY

Colombia Astrid Ulloa, Universidad Nacional De Colombia

La Resistencia Humano-Vegetal de un Territorio Cordillerano al Sur de Chile  
*Pedro Pablo Achondo, Univiersidad de Chile*

Ese Objeto Científico Denominado Yajé: Botánica Colonial, Violencias Epistémicas y Reterritorialización Duvan Rivera, Universidad Nacional De Colombia

Improbable Encounters Between Archival Technologies, or a Way of Questioning the Long Term Dure of Knowledge Infrastructures Andrea Botero, Aalto University / Universidad de los Andes; Tania Pérez-Bustos, National University of Colombia

Discussant:

**Santiago Martínez Medina**, Instituto Alexander von Humboldt

Chair:

**Monica Amador**, University of Bristol

Session Organizers:

**Naomi Millner**, University of Bristol

**Monica Amador**, University of Bristol

## 171. Publish, or Perish. Is that the question?

2:00 to 4:00 pm

Building D: D102

Participants:

A new cover for an old story Paolo Parra Saiani, University of Genoa; Fabrizio Martire, Sapienza, University of Rome – Department of Communication and Social Research (CORIS); Silvia Cataldi, Sapienza, University of Rome – Department of Social and Developmental Psycholoy

Evolución de los criterios de evaluación del Sistema Nacional de Investigadores del Uruguay desde su creación Antonella Barletta, Facultad de Ciencias / Universidad de la República; Amílcar Davyt, Facultad de Ciencias / Universidad de la República

Publish Or Perish: A Comparative Study Of Mexican, Italian And US Researchers Federica Cagnoli

Discussants:

**Fabrizio Martire**, Sapienza, University of Rome -- Department of Communication and Social Research (CORIS)

**Silvia Cataldi**, Sapienza, University of Rome -- Department of Social and Developmental Psycholoy

Chairs:

**Silvia Cataldi**, Sapienza, University of Rome -- Department of Social and Developmental Psycholoy

**Paolo Parra Saiani**, University of Genoa

**Fabrizio Martire**, Sapienza, University of Rome -- Department of Communication and Social Research (CORIS)

Session Organizer:

**Paolo Parra Saiani**, University of Genoa

# THURSDAY

## 172. Health work studies I

2:00 to 4:00 pm

Building D: D105

Participants:

Acting under uncertainty: an ethnographic account on experimenting with nurse roles in Dutch hospitals *Syb Kuijper, Erasmus School of Health Policy & Management; Martijn Felder, Erasmus School of Health Policy and Management; Roland Bal, Erasmus University Rotterdam; Iris Wallenburg, institute for Health Policy and Management*

An ethnographic account of repairing the fragmentation of nursing roles in Dutch hospital organizations *Martijn Felder, Erasmus School of Health Policy and Management; Syb Kuijper, Erasmus School of Health Policy & Management; Roland Bal, Erasmus University Rotterdam; Iris Wallenburg, institute for Health Policy and Management*

A New Understanding Of Science, Clinical Evidence, Medical Expertise And Traditional Chinese Medicine In The Era Of Transmodernity *Rey Tiquia, University of Melbourne*

Curative Encounters: Communicating the inconceivable in patient-physician relationships in Brazil *Márcio Vilar, Goethe University Frankfurt, Germany*

Chair:

**Márcio Vilar**, Goethe University Frankfurt, Germany

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 173. Next-generation blockchain and visions of Web3 I

2:00 to 4:00 pm

Building D: D205

Participants:

Arguments on YouTube about NFTs in Games: Technological Imaginaries in Conflict *Brian Pleasants Harper, Indiana University Bloomington*

Contribution of Decentralized Finance on Sustainability *Diego Zuluaga, INNCOMP*

Decentralized retro-futures and possibilities of recuperation *Dawn Walker, Independent researcher*

Hyperfinancialization and Speculative Communities: Exploring Public Interest in Emerging FinTech in Latin America *Salah Hamdoun; Martin Andrés Perez Comisso*

Chair:

**Salah Hamdoun**

Session Organizer:

**Diego Zuluaga**, INNCOMP

## 174. Making and Doing: The Promises of Multispecies Justice I-A

2:00 to 6:30 pm

Building F: F008-F009

Session Organizer:

# THURSDAY

**Conference Chairs**, 4S/ESOCITE

## **175. Making and Doing: The Promises of Multispecies Justice I-B**

*2:00 to 6:30 pm*

*Building G: G007-008*

## **176. Trauma And Harm As Pedagogy/Method In STS/Engineering Education - Why We Must Do Differently**

*4:30 to 6:30 pm*

*Building A: A008*

Participants:

Examining Pedagogies of Student Trauma: A Call for Transformation of Development Pedagogy Towards Justice & Care *Jane L Lehr, California Polytechnic State University; Gabriel Medina-Kim, Rensselaer Polytechnic Institute; Michael Solomon Reyna, California Polytechnic State University, San Luis Obispo; Victoria Siaumau, UCSD; Luka Uchiyama, California Polytechnic State University, San Luis Obispo*

Epistemic Decolonization And Research Translation As Antidotes To The Neo-Colonial Pedagogies Of Help *Juan Lucena, Colorado School Of Mines; Mateo Rojas, Colorado School of Mines; Sofia Schlezak, Colorado School of Mines; Jaime Styer, Colorado School of Mines*

Trauma Mitigation Focused Methodology: How We Build Without Harm *Victoria Siaumau, UCSD; Yumi Rosa Aguilar, California Polytechnic State University, San Luis Obispo; Emily Flores, California Polytechnic State University - San Luis Obispo; Lynne Slivovsky, California Polytechnic State University - San Luis Obispo; Jane L Lehr, California Polytechnic State University*

Diversifying Engineering Education Through A Systems Approach To Engineering Education *Dawn Neill, Cal Poly State University, San Luis Obispo; Rebekah Oulton, California Polytechnic State University, San Luis Obispo*

Using The Highlander Folk School Model And Emancipatory Pedagogy in Engineering Courses *Lizabeth Thompson, Cal Poly, SLO*

Chair:

**Lizabeth Thompson**, Cal Poly, SLO

Session Organizer:

**Michael Solomon Reyna**, California Polytechnic State University, San Luis Obispo

## **177. Emancipatory Technopolitics: community practices, alternative infrastructures, and emergent solidarities**

*4:30 to 6:30 pm*

*Building A: A102*

Participants:

From Technopolitics to Cosmotechnics Conflicts: Collective Struggles and Practices of Knowledge in Brazil *Henrique Zoqui Martins Parra, Federal University of São Paulo; Alana Moraes, IBICT - Brazilian Institute of Information in Science and Technology*

The Open Source Pharmaceutical Movement: Mapping Social Action for a

## THURSDAY

Medicine Commons *Nicole Foti, University of California, San Francisco*  
How Does Activist Resistance to Algorithmic Surveillance Matter? *Gabriel Pereira, London School Of Economics & Political Science*

Sacred Stacks: Governable Technologies for Vital Communities *Nathan Schneider, University of Colorado Boulder; samira rajabi, University of Colorado; Nabil Echchaibi, University of Colorado Boulder*

Chair:

**Nicole Foti**, University of California, San Francisco

Session Organizer:

**Ben Gansky**, Arizona State University

### 178. How Carbon Affects Us

4:30 to 6:30 pm

Building A: A104

Participants:

Doubtful Calculation: How Experts Construct Low-carbon Futures *Ankit Bhardwaj, New York University*

Carbon, Carbohydrates, and Carbo-Futures: Making Sugar into Oil through Sugarcane Science in Brazil *Katie Ulrich, Rice University*

Unalienating Carbon: The Role of Affect and Labour in Emerging Carbon Sequestration Markets' Theories of Value *Anne Pasek, Trent University*

The Australian Carbon Market as State-Corporate Crime *Monique Mann, Deakin University; Laura Bedford, Deakin University*

Tropical rainforests as climate technology? Carbon stocks, measurement uncertainty and postcolonial politics *Vera Ehrenstein, EHESS - Centre d'Etude des Mouvements Sociaux*

Discussant:

**Jerome Whittington**, New York University

Chair:

**Timothy Neale**, Deakin University

Session Organizer:

**Timothy Neale**, Deakin University

### 179. Histories of Contagion without Infection

4:30 to 6:30 pm

Building A: A106

Participants:

Epistemic Corruption in the Scientizing of Place, Race and Disease: A Deep-Historical Case Study *Daryn Lehoux, Queen's University*

Diets, diseases, and data: tracing the epidemiology of nutrition in anglophone Africa, c. 1938-2020 *John Nott, Edinburgh University*

The Social Contagion of Social Contagion *Lukas Engelmann, University of Edinburgh*

From Phenotype to Genotype: The Coloniality of Aboriginal Mental Health Research in Taiwan *Harry Yi-Jui Wu, Cross College Elite Program, 1 University*

# THURSDAY

Road

Chair:

**Lukas Engelmann**, University of Edinburgh

Session Organizer:

**Lukas Engelmann**, University of Edinburgh

## 180. History and Other Disciplines in Conversation

4:30 to 6:30 pm

Building A: A110

Participants:

Decolonial Approach To Study Knowledge About Chilean Native Medicinal Plants (18th Century) *Matteo Sartori*

Grappling with Lead in Mexico City *Elizabeth Roberts, University of Michigan*

Asylum Encounters And Knowledges: Race, Anthropology, And Psychiatry In The Dominican Republic, 1940s And 1950s *Alberto Ortiz Diaz, University of Texas, Arlington*

Exploring Colombia's odor-diversity: The role of women scientists in the study of tropical aromas *Ana Maria Ulloa, Universidad de los Andes*

Discussant:

**Miruna Achim**, Universidad Autonoma Metropolitana Cuajimalpa

Chair:

**Miruna Achim**, Universidad Autonoma Metropolitana Cuajimalpa

Session Organizer:

**Julia E Rodriguez**, University of New Hampshire

## 181. Retooling Global Science & Technology Studies (STS): New Analytics for the Post-COVID Age

4:30 to 6:30 pm

Building A: A204

Participants:

The Science Policy Script, Revised *Alexandra Hofmaenner, University of Basel*  
Impermanence, Hybridity, Violence: Notes Toward a Global Technology Studies *Itty Abraham, Arizona State University*

From Postcolonial to Post-Covid: Midnight Thoughts While Waiting for the Dawn *Fa-ti Fan, FA-TI FAN*

Situating the Origin of COVID-19 and Maintaining Global Order *Amit Prasad, Georgia Institute of Technology*

Discussant:

**Gabriela Soto-Laveaga**, Harvard University

Chair:

**Alexandra Hofmaenner**, University of Basel

Session Organizers:

**Amit Prasad**, Georgia Institute of Technology

**Alexandra Hofmaenner**, University of Basel

## 182. Humanitarianism, Technoscience and STS

## THURSDAY

4:30 to 6:30 pm

Building A: A205

Participants:

Refugee Solidarity and Humanitarian Technologies of Rule *Saida Hodzic*

The Hunt for 'Lives Saved': On capture, traps, and elusion in global health worlds  
*Cal Biruk, McMaster University*

Grammars of the Horizon: Astronomy Initiatives and the Expectations of Care in Palestine *Jake Silver, Duke University*

Humanitarian Echoes: Everyday Forensic Genetics in South Africa *Noah Tamarkin, Cornell University*

Humanitarianism and the Toxicities of Care *Stefanie Graeter, The University of Arizona*

Discussant:

**P. Sean Brotherton**, New York University

Chair:

**Juno Salazar Parrenas**, Cornell University, Department of S&TS

Session Organizer:

**Noah Tamarkin**, Cornell University

### 183. Colonial Lineages of Global Fertility Chains

4:30 to 6:30 pm

Building B: B103

Presenters:

**Sigrid Vertommen**, University of Cambridge

**Michal Nahman**, Department of Health and Social Science, University of the West of England, Bristol

**Lucy van de Wiel**, King's College London

Chair:

**Lucy van de Wiel**, King's College London

Session Organizer:

**Lucy van de Wiel**, King's College London

### 184. Human Rights, Violence(s), and STS II: Methods, interrogations, and politics

4:30 to 6:30 pm

Building B: B105

Participants:

Infrastructural operations, documentality and distinctive ontologies of the victimized subject: reading the human rights field from STS studies and vice versa *Oriana Bernasconi, Universidad Alberto Hurtado; Luis Campos Medina, Universidad de Chile*

Securing Knowledge *Teresa Naval, UCSD*

Thinking methodologies with textiles, thinking textiles as methodologies in context of transitional justice *Tania Pérez-Bustos, National University of Colombia*

Political Ontologies of Incitement: Platform Sensibilities of Speech, Violence,

# THURSDAY

and Preemption Andrea Miller, *The Pennsylvania State University*

Discussant:

**Julia Morales Fontanilla**, University of Virginia

Chair:

**Paola DIAZ-LIZE**, Instituto Milenio Violencia y Democracia/ CEMS-EHESS-France

Session Organizers:

**Fredy Mora Gamez**, University of Vienna

**Paola DIAZ-LIZE**, Instituto Milenio Violencia y Democracia/ CEMS-EHESS-France

## 185. Doing Your Own Research: Legitimacy, Authority and Credibility within Resistant Research Communities II

4:30 to 6:30 pm

Building B: B108

Participants:

A Special Kind of Stupid: "Boomer" Memes and Political Sensemaking Wade Keye, *University of Rochester*

On the internet, no one knows if you're a bird Hamsini Sridharan, *Annenberg School for Communication & Journalism, University of Southern California*; Pamela Camille Perrimon, *Annenberg School for Communication & Journalism, University of Southern California*

Rugged individualism and the epistemology of reactionary communities online Cindy Ma

Chair:

**Cindy Ma**

Session Organizer:

**Vivian Gerrard**, Deakin University

## 186. Inclusivity and Marginalization Within Innovation Processes

4:30 to 6:30 pm

Building C: C105

Participants:

Defining Inclusive Innovation in the Context of International Space Technology Projects Devyani Gajjar, *The Open University*

El decir y el hacer del género: líderes que inducen a prácticas particulares en entornos de colaboración universidad- industria Alejandra Moreno López, *CONICET / Universidad Nacional de Córdoba*; Kelly Thomson, *York University*

El sector agroalimentario mexicano y las nuevas tecnologías Juan Manuel Vargas-Canales, *Universidad de Guanajuato*; José de Jesús Brambila-Paz, *Colegio de Postgraduados*; Sergio Orozco-Cirilo, *Universidad de Guanajuato*; Nicasio García-Melchor, *Universidad de Guanajuato*

Science and Technology Innovation Policies in Latin America Juan Carlos García Cruz, Cátedras CONACYT/ UAM Xochimilco; Cristian Puga González, *Arizona State University*

Chair:

# THURSDAY

**Cristian Puga González**, Arizona State University

Session Organizer:

**Juan Carlos García Cruz**, Cátedras CONACYT/ UAM Xochimilco

## 187. Engaging Science Technology and Society Editorial Board Happy Hour

4:30 to 6:30 pm

Building C: C204

Chair:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

Session Organizer:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

## 188. Suspicious Landscapes: the affective aftermath of war's technologies

4:30 to 6:30 pm

Building C: C210

Participants:

Metal and Mud: Racial Entanglements and Conscripted Landscape in the U.S.

South and the Transpacific *Trung PQ Nguyen, San Jose State University*

Cartographies of Mine-Contamination: Containing Suspicion in a Polygon *Diana P Pardo Pedraza, The George Washington University*

Sensory Ecologies of Mangroves: Rhizophora and Toxic Suspicions *Natalia Duong, University of California, Los Angeles*

Traffic, War and Trafficking *Katherine Chandler*

My Own Private Superfund *Connie Zheng, University of California Santa Cruz*

Chair:

**Diana P Pardo Pedraza**, The George Washington University

Session Organizer:

**Katherine Chandler**

## 189. Cerebral Frictions II

4:30 to 6:30 pm

Building D: D003

Participants:

Havana Syndrome: Brain injuries, sonic traces, and science fictions *Denielle a Elliott, York University; Alexandrine Boudreault-Fournier, University of Victoria*

Paradoxical Reactions: Unruly Affects and Pharmacokinetic Indeterminacy *Sydney Neuman, York University*

Neurosciences and psychiatry: hybrid field of a brotherhood *María Pilar Bacci, Universidad de la República; Andrea Clara Bielli, Universidad de la República; Gabriela Lilián Bruno, Facultad de Psicología de la Udelar Uruguay; Lauren Pedrebon, Universidad de la República*

Stalling or Oiling the Engines of Diagnosis? On the Shifting Place, Role, and Impact of Categorical Diagnoses in Psychiatric Research *Martyn Pickersgill, University of Edinburgh*

Chair:

**Megh Marathe**, Michigan State University

# THURSDAY

Session Organizers:

**Tara Mahfoud**, University of Essex

**Danielle a Elliott**, York University

**Megh Marathe**, Michigan State University

## 190. The role of testing in contemporary society

4:30 to 6:30 pm

Building D: D005

Participants:

Testing as the art of closing epistemic gaps *Simon Egbert, University of Bielefeld*

Know your status and the limits of STI testing: Case study: Herpes Simplex

Virus *Mairead Sullivan, Loyola Marymount University*

Who to Trust? Clinician Perceptions of Laboratory Quality in Clinical Genetic

Testing *Kellie Owens, University of Pennsylvania*

Making algorithms work: On the production of ignorance in the construction of accuracy measures in machine learning *Gabriel Grill, University of Michigan*

Chair:

**Gabriel Grill**, University of Michigan

Session Organizer:

**Simon Egbert**, University of Bielefeld

## 191. Writing With Animacy: More-than-human conservation

4:30 to 6:30 pm

Building D: D008

Participants:

Conservation Drones as Boundary Devices *Naomi Millner, University of Bristol;*  
*Monica Amador, University of Bristol*

Coproducción de Conocimientos y Aprendizajes Ambientales en Experiencias de Conservación Comunitaria en el Sur global. El Caso de la Comunidad Ecológica Jardines de la Mintsíta (México) *Jaime Paneque-Gálvez; Esther Aguilar-Román, UNAM; Nicolas Vargas Ramírez, UNAM*

Tres Figuraciones Para Abrir el Páramo Natural *Santiago Martínez Medina, Instituto Alexander von Humboldt; Hanne Cottyn, Researcher*

The Productive Extinction of the Paujil: Conservation Practices and Peasant's Worlding in an Andean Tropical Forest of Colombia *Monica Amador, University of Bristol; Naomi Millner, University of Bristol*

Discussant:

**Astrid Ulloa**, Universidad Nacional De Colombia

Chair:

**Jaime Paneque-Gálvez**

Session Organizers:

**Naomi Millner**, University of Bristol

**Monica Amador**, University of Bristol

## 192. Biopharma, politics and markets

4:30 to 6:30 pm

# THURSDAY

*Building D: D102*

Participants:

Biopharmaceutical Financialization and Public Funding of Medical Countermeasures (MCMs) in Canada during the COVID-19 Pandemic *Ipek Eren Vural, Dalhousie University & Middle East Technical University; Matthew Herder, Director, Health Law Institute, Associate Professor, Faculties of Medicine and Law, Dalhousie University; Janice Graham, Dalhousie University*

Green Medicine on the Red Island: Madagascar's Emerging Pharmaceutical Economy as Climate Response beyond Conservation *Gabrielle Robbins, MIT HASTS*

How to characterize the influence of the pharmaceutical industry in the Belgian pharmaceutical state? *Lucas Bechoux, Université de Liège (SPIRAL)*

Chair:

***Lucas Bechoux, Université de Liège (SPIRAL)***

Session Organizer:

***Conference Chairs, 4S/ESOCITE***

## 193. Health work studies II

*4:30 to 6:30 pm*

*Building D: D105*

Participants:

Presenting Pressures *Els Roding, London School of Hygiene and Tropical Medicine*

The Demise of the US National Medical Performance Exams: At the Intersection of Covid and Social Media *anthony m errichetti, The Simulationist Narrative Medicine Community; Ivana Guerrasi, Minnesota State University, Mankato*

Understanding agentiality among immigrant and visa-workers in tech *Noopur Raval*

Chair:

***Ivana Guerrasi, Minnesota State University, Mankato***

Session Organizer:

***Conference Chairs, 4S/ESOCITE***

## 194. Circulation Of Knowledge

*4:30 to 6:30 pm*

*Building D: D108*

Participants:

Circulation Of Knowledge in Toxicological Genetics Laboratories In Mexico And Global *Ma-Alicia Villela*

Neither Stranger nor Familiar: The Times of Researchers and Communities During Collaboration in Scientific Research Projects *Paula Urze, FCT NOVA; Emilia Araujo, universidade do minho*

South-South Knowledge Circulation And Collaboration Reflections From Little Historical Evidence *Stéphane Dufoix, Université Paris-Nanterre*

Tropicalizing Electronics: Forest, Factories, and Techno-Adaptation *Liliana Gil,*

# THURSDAY

## *The New School*

El campo académico CTS de América Latina visto a través de sus eventos periódicos *Noela Invernizzi, Universidad Federal do Paraná; Luciano Guillermo Levin, Universidad Nacional de Río Negro; Amílcar Davyt, Facultad de Ciencias / Universidad de la República*

Chair:

**Liliana Gil**, The New School

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **195. Next-generation blockchain and visions of Web3 II**

4:30 to 6:30 pm

*Building D: D205*

Participants:

Imaginaries for a People's Internet: Comparing Web3 and Rural Internet  
*Cooperatives Britt Paris, Rutgers University, School of Communication and Information*

Policies, laws, and technological infrastructures: how state rules interact with blockchain technologies  
*Monika Agnieszka Jankowska, Rice University, Department of Anthropology*

The narrative in STS: Biomimicry of Web 3.0 and emergence of new ways of thinking about governance, collaboration, and value creation  
*Lisa Klautzer, TEZO Analytics LLC; Seo Yeon Hong, Tezo Analytics LLC; Swaptik Chowdhury, Pardee RAND Graduate School*

The Work of Proof around Proof of Work: Mapping Environmental Knowledge Production in the Greenidge Bitcoin Plant Controversy  
*Owen Marshall, Cornell S&TS and Information Science*

Chair:

**Owen Marshall**, Cornell S&TS and Information Science

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

### **196. Bruno Latour: In Memoriam**

4:30 to 6:30 pm

*Building H: Manuel Acévez Auditorium*

Chairs:

**Emma Kowal**, Deakin University

**Leandro Rodriguez Medina**, Universidad Autonoma Metropolitana-Azcapotzalco

Session Organizers:

**Gabrielle Hecht**, Stanford University

**Christopher Kelty**, UCLA

**Dominique Vinck**, University of Lausanne

**Annalisa Pelizza**, Dpt Philosophy and Communication, University of Bologna

**Wen-Ling Tu**, 復興南路一段135巷27號3F-3

**Léa Maria Leme Velho**, UNICAMP

**Sergio Sismondo**, Queen's University

## THURSDAY

### **197. 4S-ESOCITE Prize Session**

*6:30 to 8:30 pm*

*Gymnasium: Gymnasium*

Session Organizer:

***Conference Chairs, 4S/ESOCITE***

### **198. East Asian Science, Technology and Society & Tapuya: Latin American Science, Technology and Society Joint Reception**

*8:30 to 10:30 pm*

*Cafeteria: Salón*

Chair:

***Wen-Hua Kuo***, National Yang Ming Chiao Tung University

Session Organizers:

***Leandro Rodriguez Medina***, Universidad Autonoma Metropolitana-Azcapotzalco

***Luisa Fernanda Grijalva Maza***, International Relations Department, UPAEP

Universidad

# FRIDAY

## FRIDAY, DECEMBER 9

### 199. Access and Power: Critical Dialogue with the Authors of The Charisma Machine, The Promise of Access, and Disruptive Fixation

8:30 to 10:30 am

Building A: A004

Chair:

**Steven Jackson**, Cornell University

Session Organizers:

**Morgan G. Ames**, CSTMS/School of Information, UC Berkeley

**Christo Sims**, University of California, San Diego

**Daniel Greene**, University of Maryland

### 200. Geographies of Ignorance I: (Not) Knowing Place

8:30 to 10:30 am

Building B: B 201

Participants:

Addressing Data Gaps: Ecological Inference and the Production of Ignorance in Alberta, Canada *Sarah Blacker, York University*

Background Inequality: Maps as Valuation Technologies in Nature Conservation *Cal Garrett, University of Illinois at Chicago*

Dis-originated things: Extraction & structural ignorance of socio-ecological place *Emma McKay, McGill University*

Chair:

**Abby Kinchy**, Rensselaer Polytechnic Institute

Session Organizer:

**Emma McKay**, McGill University

### 201. 4S 2022 Presidential Panel

8:30 to 10:30 am

Gymnasium: Gymnasium

Chair:

**Emma Kowal**, Deakin University

Session Organizers:

**Gabriela Soto-Laveaga**, Harvard University

**Andrea Ballesteros**, University of Southern California

**Vivette Garcia Deister**, UNAM

### 202. Data De-Invisibilization: Visualizing the Dark Matter of Networks

11:00 to 1:00 pm

Building A: A004

Participants:

Data That Cares. Feminicide Data Activism as Practices of Care *Helena Suárez Val, University of Warwick*

#MeToo Anti-Network *Kim Albrecht, metaLAB at Harvard/Berkman Center;*

*Matthew Battles Battles, The Arnold Arboretum of Harvard University; Catherine D'Ignazio, Massachusetts Institute of Technology; Nicole Martin, Indigenous*

# FRIDAY

## *Women Rising*

Minority Women in Cycling - Data Visualisation and Ethnography for Elicitation of Cycling Experience *Mirela Reljan-Delaney, City, University of London; Joseph Wood, City, University of London*

The Kintsugi Method to Recount Data against Feminicide *Saide Mobayed, University of Cambridge*

Visualizing Resilience: Youth Advocacy through Mapmaking *Yanni Alexander Loukissas, Georgia Institute of Technology*

Chair:

**Catherine D'Ignazio**, Massachusetts Institute of Technology

Session Organizer:

**Matthew Battles Battles**, The Arnold Arboretum of Harvard University

## **203. Teaching STI in intercultural contexts for inclusion of gender, language, and different abilities**

11:00 to 1:00 pm

Building A: A008

Participants:

Articulating the Knowledge-Belief Continuum to Create Common Intercultural Learning Contexts *Rodrigo Renteria Valencia, Central Washington University*

Escribir para leer el mundo *Alejandra Garcia, Universidad Autonoma Metropolitana; Luz Lazos, Universidad Nacional Autónoma de México; Eurídice Sosa, Universidad Pedagógica Nacional; Liliana Valladares, Universidad Nacional Autónoma de México*

Forging Pathways: Access, Equity and Change in Instructional Practices in Science *Lilia Esther Sarmiento, CSU Dominguez Hills*

Building interdisciplinarity into the core: (re)constructing spaces of teaching and research practices in the aftermath of the COVID pandemic *Anna Geltzer, University of Notre Dame*

Chair:

**Lilia Esther Sarmiento**, CSU Dominguez Hills

Session Organizer:

**Xenia Anaid Rueda**, UNAM

## **204. Science, Technology, and Sport**

11:00 to 1:00 pm

Building A: A102

Participants:

Behind The Drive To Survive Phenomenon *Raymundo Baltazar Rodríguez Carrillo*

Career Trajectories of Competitive Video Gamers *Micah Rajunov, Boston University*

From Algorithms to AI: Uses and Users of Data in Sport *Jennifer Sterling, University of Iowa*

Technology meets the stadium: tensions and transformations of football stadia in the technological present *Pratik Nyaupane, University of Southern California,*

# FRIDAY

Annenberg School for Communication & Journalism; Fernanda Soria Cruz,  
University of Southern California

Chair:

**Fernanda Soria Cruz**, University of Southern California

Session Organizer:

**Jennifer Sterling**, University of Iowa

## 205. Science, Technology & Human Values - Editorial Board Meeting

11:00 to 1:00 pm

Building A: A104

Chair:

**Timothy Neale**, Deakin University

Session Organizer:

**Timothy Neale**, Deakin University

## 206. Studies of multispecies: Transcending life

11:00 to 1:00 pm

Building A: A106

Participants:

La tecnología en la construcción biosocial del suelo *alaide marina arce*

Microbes, Multispecies Relations, and Global Health Infrastructures *Alberto E Morales, Princeton University*

One environmental regulation for all? Digital farm data and regulatory flexibility  
*Jeanne Oui, Cornell University; Christopher Miles, Cornell University; Steven Wolf, Cornell University*

Pollination and the Horrors of Yield *Krista Lynes, Concordia University, Montreal, Canada*

Surveys that Build Heritage and Encounters to Inhabit Damaged Worlds: The Case of Fos-sur-Mer (France) *Maud Hallin, Université de Liège (SEED & SPIRAL)*

"We Only Keep the Best We Receive": Eugenics, Mercy Killing, and the American Humane Movement. *Kat Poje, Harvard University, History of Science*

Chair:

**Krista Lynes**, Concordia University, Montreal, Canada

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 207. Género, Feminismos e Innovación para el Desarrollo

11:00 to 1:00 pm

Building A: A202

Participants:

Gender disparities in Editorial Boards of scholarly journals: the case of Latin American STEM journals *Ivonne Lujano, Arizona State University*

Gender Dynamics in Teaming: a university-industry research collaboration  
*Alejandra Moreno López, CONICET / Universidad Nacional de Córdoba; Kelly Thomson, York University*

# FRIDAY

Quebra de estereótipos de gênero na CT&I brasileira: o caso das mulheres pesquisadoras do PIPE Fapesp *Cleide Elizeu Silva, State University of Campinas - UNICAMP; Simone Pallone de Figueiredo, Unicamp*

Gendered users for inclusion or exclusion? Addressing gender in user theory towards inclusive socio-technical change *Gabriela Bortz, IESCT-UNQ (Institute of Science and Technology Studies - Universidad Nacional de Quilmes) / CONICET; Anabella Denuncio, CONICET/IESCT-UNQ*

Chairs:

**Márcia Tait**, Laboratório de Tecnologias e Transformações Sociais/DPCT

**Cecilia Matonte**, Universidad de la República

Session Organizers:

**María Florencia Trentini**

**Paula Juarez**, Institute of Study of Science and Technology, National University of Quilmes

## 208. State, politics and covid-19

11:00 to 1:00 pm

Building A: A204

Participants:

Biological Citizenship and Surveillance in the COVID-19 Pandemic *Santiago J Molina, Northwestern University*

Creating A Global Disease Surveillance Apparatus: Epidemic Technoscience Meets National Security *Alexis Bedolla, UNAM / CISAN*

The violence against women and the pandemic context (covid19) – “The Shadow Pandemic” *Rafaela Souza Andrade*

Chasing Normality: health citizen and medical travels in post-outbreak Taiwan *Poyao Huang*

Chair:

**Sergio Ordóñez**, IIEc-UNAM

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 209. Learning Infrastructures I

11:00 to 1:00 pm

Building A: A205

Participants:

Art and speculative design practices to ‘learn infrastructure’ through immersion – unveiling our mental models that shape infrastructure *Lisa Klautzer, TEZO Analytics LLC; Swaptik Chowdhury, Pardee RAND Graduate School; Seo Yeon Hong, Tezo Analytics LLC*

Education for the third industrial revolution *Alin Olteanu, RWTH Aachen University*

The Hall Pass as Infrastructure: What a Transition from Analog to Digital Reveals *Michelle Ciccone, University of Massachusetts Amherst*

Fluid engineering: changing scales and logic of flood management in Mumbai *Chitra Venkataramani*

# FRIDAY

Chair:

**Zachary J McDowell**, University of Illinois at Chicago

Session Organizer:

**Jeremy Hunsinger**, Wilfrid Laurier University

## 210. In Memoriam-Día de Muertos Project II

11:00 to 2:00 pm

Gymnasium: Altar

Session Organizer:

**Sandra Patricia Gonzalez-Santos**, Universidad Anahuac

## 211. Making & Doing: The Museum of Afrofuturities II

11:00 to 2:00 pm

Building C: Aula Magna C201

## 212. Science and academic evaluation

11:00 to 1:00 pm

Building B: B102

Participants:

Influences that matter: academic evaluation and its relationship to research problems and practices in social sciences in Uruguay *Camila Zeballos Lereté, Unidad Académica-Comisión Sectorial de Investigación Científica / Universidad de la República; Mariela Bianco Bozzo, Universidad de la República; maria goñi, Universidad de la República (Uruguay); Sofia Robaina, Universidad de la República*

Opening the Black Box of Research Evaluation: Conflict around Construction of the Polish Journal Ranking *Jakub Krzeski, Nicolaus Copernicus University in Toruń, Poland; Krystian Szadkowski, Adam Mickiewicz University in Poznań; Emanuel Kulczycki, Adam Mickiewicz University in Poznań*

The reward system of science reconfigured? *Dominic Lusinchi*

The impact of research funding on Early Career Researchers: 'hold on' or 'get out'? *Mayra Morales Tirado, University of Manchester; Sampriti Mahanty, University of Manchester; Oishee Kundu, University of Cardiff*

Chair:

**Dominic Lusinchi**

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 213. Science, Technology and the Collective Good: When and for Whom is Innovation Beneficial? I

11:00 to 1:00 pm

Building B: B108

Participants:

Ciencia, Tecnología e Innovación para la salud en México: propuesta de análisis sobre la Movilización del Conocimiento *Diana Montserrat Mojica Hernández, UAM; Daniel Villavicencio, Univ. Autónoma Metropolitana-Xochimilco; Jose Miguel Natera, CONACYT/ UAM Xochimilco*

## FRIDAY

Situating the collective good from process-work to institutional ecologies: an ethnographical approach to institutional interests in Portuguese biomedical settings *Ricardo Gomes Moreira, Institute of Social Sciences, University of Lisbon*

Moonshots, Miracle Drugs, and Magic Bullets: US Techno-optimism and the Limits of New Technologies to Provide Better Health *Laura Halcomb, University of California Santa Barbara; Jason Budge, University of California Santa Barbara; Barbara Herr Harthorn, UC Santa Barbara*

Chair:

**Susi Geiger**, University College Dublin

Session Organizer:

**Illaria Galasso**, University College Dublin

### 214. Popular, Indigenous, Afro-Descendant, and Professional Communities in Latin America

11:00 to 1:00 pm

Building B: B111

Participants:

Embodied, Relational, Predictive, and Didactic: Nahua Science in Book XI of the Florentine Codex *Kelly McDonough, University of Texas at Austin*

From Cabinet To Field: Recasting Notions Of Indigenous Knowledge In Cochineal Cultivation In 16thC New Spain *Diana Heredia-Lopez, The University of Texas at Austin*

Forma de conocer el conocimiento médico popular e indígena de la Real Audiencia de Quito *Alan Rodríguez, Facultad Latinoamericana de Ciencias Sociales, sede Ecuador*

Diagnosing Disability in Late Colonial Lima, Peru: Enslaved People, Healers, and Redhibition *Adam Warren, University of Washington*

Chair:

**Luisa Reis Castro**, University of Southern California

Session Organizer:

**Julia E Rodriguez**, University of New Hampshire

### 215. Geographies of Ignorance II: (Im)perceptible Dangers

11:00 to 1:00 pm

Building B: B 201

Participants:

Challenging geographies of undone epidemiology: the case of Los Campamentos Sanitarios *Florencia Arancibia, CONICET-CENIT, UNSAM; Valeria Arza, Centro de Investigaciones para la Transformación (CENIT-UNSAM); Damián Verzeñassi, Instituto de Salud Socio Ambiental, Universidad Nacional de Rosario; Scott Frickel, Brown University*

Standard(izing) Ignorance: Charismatic Flooding and New Orleans *Martin Abbott, Cornell University*

The Imperceptibility and Scale of Nuclear Photography's Violent Futurities *Lukey Ellsberg, Yale University*

# FRIDAY

Chair:

**Luke Ellsberg**, Yale University

Session Organizer:

**Abby Kinchy**, Rensselaer Polytechnic Institute

## 216. Making & Doing: Projections II

11:00 to 2:00 pm

Building B: B205

## 217. Making & Doing: Performances II

11:00 to 2:00 pm

Building B: B206

## 218. What kinds of Knowledges and Infrastructures are Mobilized for Nuclear Renaissance?: Interpretations of Dis/Advantages and Social Mobilizations I

11:00 to 1:00 pm

Building C: C012

Participants:

A material uncertainty: how the shape and materiality of nuclear technology creates ignorance? *Maël Goumri, CERMES3 INSERM U988*

Grounding the nuclear renaissance: Visualizing “sustainable” nuclear power’s role in perpetuating unsustainable power relations *Karly Burch, University of Otago; Sonja Mueller, University of Otago*

‘Our Shared Ledger’: Crypto Carbon Communities in Northeastern Pennsylvania  
*Nancy D. Campbell, Rensselaer Polytechnic Institute*

Towards new knowledge standards: methodological rigor, public indifference and decline of research around nuclear facilities *Laura Barbier, CERMES3*

Chair:

**Aya Hirata Kimura**, University of Hawaii

Session Organizer:

**Aya Hirata Kimura**, University of Hawaii

## 219. Anti-Encyclopedia - reconfiguring knowledge in academic practice

11:00 to 1:00 pm

Building C: C105

Presenters:

**Duygu Kasdogan**, İzmir Katip Çelebi University

**Marco Antonio Gaverio**, PhD cand. Universidade Federal de São Carlos

**Helena Moura Fietz**, Rice University

**Rosana Castro**, Professora adjunta, Instituto de Medicina Social, Universidade do Estado do Rio de Janeiro

**Wakana Suzuki**, Osaka university

**Anna Catarina Morawska Vianna**, Federal University of São Carlos (UFSCar)

**Rodrigo C. Bulamah**, Federal University of São Paulo

**Karen Gomes Shiratori**, Pós-doutoranda, Departamento de Antropologia, Universidade de São Paulo

**Vi Grunvald**, Professora, Universidade Federal do Rio Grande do Sul

**Paula Sandrine Machado**, Professora, Universidade Federal do Rio Grande do

# FRIDAY

Sul

**Santiago Martínez Medina**, Instituto Alexander von Humboldt  
**britt kramvig**, UiT - The Arctic University of Norway

Chairs:

**Renzo Taddei**, Federal University of Sao Paulo  
**Luísa Reis Castro**, University of Southern California

Session Organizers:

**Antonia Walford**, University College London  
**Tania Pérez-Bustos**, National University of Colombia  
**Atsuro Morita**, Osaka University

## 220. Postphenomenology; Reimagining a World for Tomorrow Through Living Cities

11:00 to 1:00 pm

Building C: C108

Participants:

Breathing Buildings: The Intersection of Human and Nonhuman Beings *Rebecca Blankenship, Gonzaga University*

Language Matters: The Logic of Damming up Living Water *Miranda Lewis, Gonzaga University*

Reimagining Education in the Age of Technology *Allyson Tanzer, Gonzaga University*

Discussant:

**Janelle Sarauw**, Legislature of the Virgin Islands

Chair:

**Allyson Tanzer**, Gonzaga University

Session Organizer:

**Roisin Lally**, Gonzaga University

## 221. The Law and the Conflictive Reconfiguration of Collectives I

11:00 to 1:00 pm

Building C: C110

Participants:

A right to ad-free browsing? Adblockers, the law, and the conflictive reconfiguration of the Internet attention ecology *Nicolas Baya-Laffite, Université de Genève*

Co-producing Legal Responses to PFAS Contamination in Australia *Carley Bartlett, University of New South Wales*

The social sciences and the shaping of a new image of science in law: lessons from the struggle against sprayings with glyphosate in Argentina *Maria Valeria Berros, Universidad del Litoral / CONICET; Nicolas Baya-Laffite, Université de Genève*

Chair:

**BILEL Benbouzid**, Université Paris Est Marne la Vallée

Session Organizer:

**Nicolas Baya-Laffite**, Université de Genève

# FRIDAY

## 222. Multiple futures of energy and mobility transitions I

11:00 to 1:00 pm

Building C: C207

Participants:

Co-Creating Responsible Pathway for Sustainable Future of E-Automobility: A Case Study of Delhi, India *Swati Kumari, Centre for Studies in Science Policy, Jawaharlal Nehru University*

The Role Of Local Government In Making The Transition To Electric Mobility: Comparing Oslo And São Paulo. *Flavia Consoni, UNICAMP; Tatiana Bermudez, UNICAMP; Edgar Barassa, UNICAMP*

Simulation and Dissimulation: The Sustainable Automobility Sociotechnical Imaginary *Richard Randell, Webster University; Robert Braun, Institut für Höhere Studien Vienna*

Chair:

**Gisle Solbu**, Norwegian University of Science and Technology

Session Organizers:

**Gisle Solbu**, Norwegian University of Science and Technology

**Tomas Moe Skjølvold**

## 223. Ciudadanías Mediadas, Creaciones Intersubjetivas y Procesos de Transición Digital.

11:00 to 1:00 pm

Building C: C210

Chair:

**Andrea Schikowitz**, University of Vienna, Department of Science and Technology Studies

Session Organizers:

**Sara Guzman**, Université de Grenoble

**Maria Clara Garavito Gómez**, Universidad Nacional Autónoma de México

## 224. Future imagining and the cultivation of possibility

11:00 to 1:00 pm

Building D: D003

Participants:

"Eko? Isn't that what you people call Lagos?": Africanfuturism and Alternative Urban Futures in Africa *Luke Boyle, Arizona State University*

Reality Augmenters – Augmenting Media And The Reconfiguration Of Representation *George Simms, I-Dat*

Reflections Upon Design Fictions As A Participatory Process To Engage In The Imagination Of Futures *Sarah Rüller, University of Siegen, Germany; Konstantin Aal, University of Siegen; Belén Giménez Cicciolli, University of Siegen*

Revisiting Stem Cell Expectations: Past Futures and Current Politics *Klaus Lindgaard Hoeyer, University Of Copenhagen*

Solarpunk y la reconfiguración de los futuros posibles *Juan David Reina Rozo*

Chairs:

**Rachel Horst**, The University of British Columbia

# FRIDAY

**Esteban Morales**, The University of British Columbia

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 225. The Meanings of Biometrics, and their Consequences I

11:00 to 1:00 pm

Building D: D005

Participants:

Digitizing the Global Poor: the World Bank and the push for digital identity systems in the Global South *Joan Lopez-Solano, Tilburg Institute for Law, Technology and Society*

Regulation and Resistance in Mexico's Biometrics Developments *Mariel Garcia Montes, Massachusetts Institute for Technology (MIT)*

Database of the Potential Dead: Religion, Military Service, and Biometric Identification in Israel *Michelle Spektor, Massachusetts Institute of Technology*

Between Criminal and Terrorist: The travel of biometrics from Rikers jails to its Fusion Center *Ariel Ludwig, Brandeis University*

What's in a Voice? From Vocal Portraits to Speaker Verification Technologies *Juana Catalina Becerra Sandoval, IBM Research*

Chair:

**Ranjit Pal Singh**, Data & Society Research Institute

Session Organizer:

**Michelle Spektor**, Massachusetts Institute of Technology

## 226. Indigenous Knowledges and Technologies I

11:00 to 1:00 pm

Building D: D006

Participants:

Ancestral Technology as Portal to Alternative Technological Futures *Pedro Reynolds-Cuellar, Massachusetts Institute of Technology*

Caminos y conceptos de lo digital desde lo comunitario: experiencias de la Red de Comunicadoras y Comunicadores Boca de Polen A.C. *Laura Elizabeth Manjarrez, Tecnológico de Monterrey; Red de Comunicadoras y Comunicadores Boca de Polen A.C. Alejandra Carrillo Olano, CSO*

Los quelites y su (re)valoración contemporánea: un análisis de injusticia alimenticia y epistémica *Aldo Palafox*

Okamasuei: Una Plataforma Digital de las Mujeres Cabecares de Costa Rica *Kemly Camacho, Coop Sulá Batsú*

Chair:

**Carlos Francisco Baca Feldman**, Centro de Investigación en Tecnologías y Saberes Comunitarios

Session Organizer:

**Claudia Magallanes-Blanco**, UNIVERSIDAD IBEROAMERICANA PUEBLA

## 227. Labor Tech Research Network Launch I: Panel

# FRIDAY

11:00 to 1:00 pm

Building D: D008

Chairs:

**Winifred Poster**, Washington University, St. Louis

**Paola Ricaurte**, Tecnológico de Monterrey

**Veronica Uribe del Aguila**, UC San Diego

**Liliana Gil**, The New School

Session Organizers:

**Winifred Poster**, Washington University, St. Louis

**Stephanie Beth Jordan**, Michigan State University

## 228. Plantations and Epistemic Imperialism I: The Science and Technology of Plantations as Sites of Extractive Violence

11:00 to 1:00 pm

Building D: D102

Participants:

Agro-Military Violence in Colombia: Oil Palm Plantations as Anti-subversive Tactics *Diana Ojeda, Universidad de los Andes, Bogotá, Colombia; Andrés Caicedo, UC Berkeley ESPM*

Enduring Hacienda Plantation Logics: Epistemic Violence of Hacienda Land and the Claims to Subterranean Sovereignty *Pablo AguileraDelCastillo, Department of Anthropology, The University of Pennsylvania*

Enumeration and the Plantation: measuring the flesh in slavery and its afterlives *Jolen Martinez*

Plantation As History: The Epistemologies And Infrastructures Of Domination In Central America *Andres Leon Araya, University of Costa Rica; Maria Jose Guillen, Clark University*

Revelation: On Postcolonial Caribbean Imaginaries of Extraction and Emancipation *Kimberley McKinson, Vanderbilt University*

Chair:

**Kregg Hetherington**, Concordia University

Session Organizers:

**Sophie Marie Helene Chao**, The University of Sydney

**Alyssa Paredes**, University of Michigan - Ann Arbor

**Kregg Hetherington**, Concordia University

## 229. Scientific and technological imaginaries

11:00 to 1:00 pm

Building D: D108

Participants:

Flashback: Mattel's Major Matt Mason and the Saturn 5 Rocket *John McCamy Wilkes, WPI/retired professor*

Techno-Legal Imaginaries: A Case Study of American Privacy Law Scholars *Maria Paula Angel, University of Washington Tech Policy Lab*

The role of imaginaries in reproductive decisions in families affected by Turner Syndrome *Kriss Fearon, Centre for Reproduction Research, De Montfort*

# FRIDAY

*University*

Who Studies Racism In Mexico, And What For? Communities, Discourses, Institutions (2010-2020) *Francisco Vergara-Silva, Instituto de Biología, Universidad Nacional Autónoma de México*

Chair:

**Francisco Vergara-Silva**, Instituto de Biología, Universidad Nacional Autónoma de México

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 230. States, nations and technologies

11:00 to 1:00 pm

Building D: D205

Participants:

Does governance require skill?: Goh Keng Swee's institutionalization of managerial expertise in Singapore *Sharad Pandian, Nanyang Technological University*

The Special Deposition as a strategy to combat sexual crimes: the brazilian legal system example *Mariana Heloiza Santos Borborema Silva*

19. Claiming Technology: Nationalism and Knowledge Production in the 21st Century *Juan Ortiz Freuler, Berkman Klein Center / Annenberg, USC; Paola Ricaurte, Tecnológico de Monterrey*

Chair:

**Juan Ortiz Freuler**, Berkman Klein Center / Annenberg, USC

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 231. Government of / as / by App(s) I: Intra-State Relations

11:00 to 1:00 pm

Building D: D208

Participants:

"Can you WhatsApp it to me?": Mobile Data Dashboards and Evidence Based Policy *Aakash Solanki, The University of Toronto*

Government of or by Apps? Mobile Infrastructures in "Digital" India *Nafis Aziz Hasan, The University of Pennsylvania*

The "Natural" Self: Constructing Chineseness Between State Policy, E-Commerce, And The Countryside *Huiran Yi; Silvia Lindtner, University of Michigan*

Datafying the Illegibles: Dilemmas and Mirages of the State Legibility Project in China *Chuncheng Liu, UC San Diego*

Chair:

**Mei Zhan**, UCI

Session Organizers:

**Nafis Aziz Hasan**, The University of Pennsylvania

**Sandeep Mertia**, New York University

**Aakash Solanki**, The University of Toronto

# FRIDAY

## **232. Making and Doing: The Promises of Multispecies Justice II-A**

*11:00 to 2:00 pm*

*Building F: F008-F009*

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## **233. Making and Doing: The Promises of Multispecies Justice II-B**

*11:00 to 2:00 pm*

*Building G: G007-008*

## **234. Making & Doing Central Exhibition II**

*11:00 to 2:00 pm*

*Gymnasium: Gymnasium*

## **235. Empresas, trabajadores/as, estructuras sociales y subjetividades en el capitalismo informacional I**

*11:00 to 1:00 pm*

*Building H: H113-H116*

Participants:

Plataformização do ensino público e a resistência não midiatisada no estado do Paraná *Maíra Fernandes Costa; Mário Lopes Amorim, UTFPR*

The end of Interpretive Flexibility? Technology Design under Surveillance Capitalism *Brett Aho, University of California, Santa Barbara*

América Latina y el Oligopolio Tecnológico Global: Competencia y

Rentabilización del Capital del Centro a la Periferia *Carina Borrastero, CONICET / Universidad Nacional de Córdoba; Ignacio Juncos*

Google Constructs Cuba: Tropical Digital Capitalism Meets Havana's Creative Revolutionary Class *Maile Speakman, Yale University*

Automated Labor Relations *Catherine Griffiths, U. of Michigan*

Reconfiguring Predictive Policing: Critical Code Studies of Machine Learning Software *Mark C. Marino, University of Southern California; Jeremy Douglass, UC Santa Barbara; Sarah Ciston, University of Southern California; Zachary M Mann*

Chairs:

**Mariano Zukerfeld**, CONICET, Universidad Maimónides

**Natalia Berti**, Universidad del Rosario

Session Organizers:

**Carina Borrastero**, CONICET / Universidad Nacional de Córdoba

**Hernán Morero**, CONICET, Universidad Nacional de Córdoba

## **236. Templates / Plantillas / Modelos I: Politics and ethics of data and algorithms**

*11:30 to 1:00 pm*

*Building C: C204*

Participants:

Academic CVs and their Personae as (Auto)Biographical Templates *Markus Tumelshammer, University of Klagenfurt*

Building Resilience of Displaced Populations: New Templates of Inclusion with

# FRIDAY

Text Messaging and Social Media *Lucy Kwe Manasseh, The Johns Hopkins University*

How can Templates Reconcile Data's Comparability and Local Relevance?  
*Esther Rottenburg, London School of Hygiene and Tropical medecine*

Diagrammatic Visualisation *Rosemary Lee*

Modeling uncertainty on the smart farm *Rolien Hoyng, The Chinese University of Hong Kong*

Chair:

**Jessa Lingel**, University of Pennsylvania, Annenberg School for Communication

Session Organizer:

**Diogo Pereira Henriques**, Aarhus University

## 237. Open Meeting for Students and Early Career Scholars of 4S

1:00 to 2:00 pm

Building A: A004

Chair:

**Angela Okune**, University of California - Irvine

Session Organizer:

**Angela Okune**, University of California - Irvine

## 238. The Next 4S Handbook of Science, Technology, and Society... and Beyond

1:00 to 2:00 pm

Building A: A110

Chair:

**Christopher Kelty**, UCLA

Session Organizer:

**Christopher Kelty**, UCLA

## 239. "Anthropogenic Table of Elements" Book Launch

1:00 to 2:00 pm

Building A: A202

Chair:

**Timothy Neale**, Deakin University

Session Organizer:

**Timothy Neale**, Deakin University

## 240. Heterogeneidad, diversidad y proyecciones

1:00 to 2:00 pm

Building A: A204

Chair:

**Javier Guerrero-C**, Instituto Tecnológico Metropolitano

Session Organizer:

**Javier Guerrero-C**, Instituto Tecnológico Metropolitano

## 241. Presentación de la Biblioteca PLACTED

1:00 to 2:00 pm

Building B: B102

Chair:

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**Lucía Céspedes**, Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CONICET-UNC)

Session Organizer:

**Lucía Céspedes**, Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CONICET-UNC)

## 242. What Work Does the Cyborg Really Do? A conversation with contributors to Modified: Living as a cyborg

2:00 to 4:00 pm

Building A: A004

Presenters:

**Sandra Patricia Gonzalez-Santos**, Universidad Anahuac

**Deborah Heath**, Lewis and Clark College

**Megan Boler**, OISE/University of Toronto

**Steven Mentor**, Evergreen Valley College

Session Organizer:

**Chris Hables Gray**, Crown College, UCSC

## 243. (New) Territories of Ignorance: what do ignorance studies ignore? I

2:00 to 4:00 pm

Building A: A008

Participants:

Automobility as agnotology *Robert Braun, Institut für Höhere Studien Vienna;*

*Richard Randell, Webster University*

Denying dumping: lawyers and the production of ignorance in the Arica Victims v. Boliden Mineral AB case *Patricio Flores, University of Warwick, UK*

Fragmentation of knowledge in environmental diseases. The case of air pollution in Paris *Justyna Moizard-Lanvin, Université Paris Cité / Cermes3*

How To Increase Ignorance Through Documentaries *Myriam Tonelotto, ARTE European Broadcaster; Matthias Gross, Department of Urban and Environmental Sociology, Helmholtz Centre for Environmental Research-UFZ*

Session Organizers:

**Laura Barbier**, CERMES3

**Lisa Claussmann**, Université Paris Cité, CERMES3

**Maël Goumri**, CERMES3 INSERM U988

**Justyna Moizard-Lanvin**, Université Paris Cité / Cermes3

## 244. Decolonizing the Psychedelic Research Revival I

2:00 to 4:00 pm

Building A: A012

Participants:

Indigenous Knowledges and Psychedelic Science *Evgenia Fotiou*

A decolonizing ethic for psychedelic studies *Christine Hauskeller, University of Exeter*

Counter-mapping psychedelic exceptionalism in drug policy reform as a decolonizing method *Claudia Schwarz-Plaschg, None; Heather Rosenfeld, Smith College; Orsi Fehér, PsyCare Austria*

# FRIDAY

Disciplining Through Ayahuasca Zuzanna Sadowska, Polish Academy of Sciences

Chair:

**Christine Hauskeller**, University of Exeter

Session Organizers:

**Christine Hauskeller**, University of Exeter

**Osiris Sinuhé González Romero**, University of Saskatchewan

## 245. The Technopolitics of Water: Fixity, Flow, and Scale

2:00 to 4:00 pm

Building A: A102

Participants:

Aquifers: Ethnography and Responsibility at the Edge of a Techno-Scientific Concept *Andrea Ballesteros, University of Southern California*

The Politics of Volumes: Calculative Devices and Hydraulic Control in the Aftermath of Disaster *Dean Chahim, The University of Texas at El Paso*

Managing the Unknown: The Technopolitics of Making Water Commensurable in the Mexico City Water System *Alejandro De Coss, University of Bath*

Settler Computing and Water Artifice: On Demystifying the Form and Function of Digital Water Management *Theodora Dryer, New York University*

Governing Flows in California's Megadrought *Andrew Lakoff, University of Southern California*

Chair:

**Dean Chahim**, The University of Texas at El Paso

Session Organizers:

**Andrew Lakoff**, University of Southern California

**Dean Chahim**, The University of Texas at El Paso

## 246. Disciplinary boundaries of STS: reflecting on its current state and future trajectories

2:00 to 4:00 pm

Building A: A106

Participants:

Interdisciplinarity and its limits *Torsten H Voigt, RWTH Aachen University*

Los Sentidos en la Construcción del Conocimiento Periférico *Cristina Gabriela Flores, Barrio Gas del Estado*

Media Technologies and Material Configurations of Scientific Communication *Phillip H. Roth, RWTH Aachen University; Alin Olteanu, RWTH Aachen University*

The Absent Body: Recentering the Corporeal in STS by Thinking Through Yuyachkani's Theater *Val Arbonies-Flores, University of Illinois at Urbana-Champaign School of Information Sciences*

Discussant:

**Miguel Muñoz Asenjo**, Universidad Tecnológica Metropolitana

Chair:

**Luciano Guillermo Levin**, Universidad Nacional de Río Negro

# FRIDAY

Session Organizer:

**Renato Ponciano**, Universidad de San Carlos de Guatemala

## 247. Expanding the Cosmos I: Relations with, Recoverings of, and Resistances to Space Sciences and Outer Space

2:00 to 4:00 pm

Building A: A110

Participants:

Claiming the Lunar Base and Other Stories of Data Infrastructures in Space  
*Yung Au, Oxford Internet Institute*

Historicizing the Neoliberalization of the Space Economy: Iridium Satellites, SpaceX, and Speculative Capital *Reka Gal, Faculty of Information, University of Toronto; Arun Jacob, University of Toronto*

Rebuilding Trust in a Collective Future: Space as a Site of Transformative Change *Frank Tavares*

Maintaining American Hegemony in Outer Space *Lisa Ruth Rand, Caltech*

Chair:

**Lisa Ruth Rand**, Caltech

Session Organizer:

**Eleanor Armstrong**, Stockholm University

## 248. Fieldstations in periphery territories. Bubble of science I

2:00 to 4:00 pm

Building A: A112

Participants:

Following The Birds? Remoteness, Field Stations and Governance In Arctic Research *Mayline Strouk, The University of Edinburgh*

Mongolian Monsters: Soviet Paleontology At The Margins of Empire *Reese Fulgenzi, The University Of Chicago*

Política exterior y redes público-privadas en la organización de las relaciones tecnocientíficas de Estados Unidos con América Latina: una aproximación a partir del Programa de Investigación y Cultivo de Hevea (1920-1953) *Adriana Feld*

Discussant:

**David DUMOULIN KERVRAN**, Sorbonne Nouvelle University - IHEAL

Chair:

**David DUMOULIN KERVRAN**, Sorbonne Nouvelle University - IHEAL

Session Organizer:

**Jérôme LAMY**, CNRS

## 249. Learning Infrastructures II

2:00 to 4:00 pm

Building A: A205

Participants:

Between platforms and AI: the role of privacy and data protection for building the digital classroom in the post pandemics *Alexandra Giannopoulou*

## FRIDAY

Web3 as future learning infrastructure? *Jeremy Hunsinger, Wilfrid Laurier University*

Wikipedia's Hidden Infrastructures of Knowledge Production *Zachary J McDowell, University of Illinois at Chicago*

Ciudadanía digital en el presupuesto participativo de la Ciudad de México. *Lourdes Marquina Sánchez, Universidad Autónoma de la Ciudad de México*

Transiciones Digitales y Ciudadanías mediadas. El caso de las plataformas de gobierno digital. *Sara Guzman, Université de Grenoble; Maria Clara Garavito Gómez, Universidad Nacional Autónoma de México*

Assembling more-than-digital knowledge infrastructures in collaborative housing & activism *Andrea Schikowitz, University of Vienna, Department of Science and Technology Studies*

Chairs:

**Jeremy Hunsinger**, Wilfrid Laurier University

**Maria Clara Garavito Gómez**, Universidad Nacional Autónoma de México

Session Organizers:

**Zachary J McDowell**, University of Illinois at Chicago

**Sara Guzman**, Université de Grenoble

**Maria Clara Garavito Gómez**, Universidad Nacional Autónoma de México

### 250. Multilingüismo, Geopolítica y Circulación del Conocimiento I

2:00 to 4:00 pm

Building B: B103

Participants:

Critical Plurilingualism in an Age of Anglophone Hegemony: Theory and Practice *James Corcoran, York University; Karen Englander, University of Toronto*

Cuidado que ahí vienen las publicaciones cuestionables *Jonathan Esteban Gordillo Sánchez, Pontificia Universidad Javeriana y Universidad Nacional De Colombia*

Geopolitics of Multilingualism in Scholarly Communication and Research Evaluation: A European Perspective *Emanuel Kulczycki, Adam Mickiewicz University in Poznań*

How balanced is multilingualism in scholarly journals? A global analysis using the DOAJ database *Gimena del Rio Riande, CONICET; Ivonne Lujano, Arizona State University; Tom Olyhoek, DOAJ*

Understanding the globalization of global research through multi-lingual semantic analysis. *Matías Federico Milia, ITAM - Instituto Tecnológico Autónomo de México; Rigas Arvanitis, Centre Population & Développement,*

Chair:

**Pablo Von Stecher**, UBA - Conicet

Session Organizer:

**Lucía Céspedes**, Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CONICET-UNC)

### 251. Techno-human Narrations

# FRIDAY

2:00 to 4:00 pm

Building B: B105

Participants:

Madurai Mobilities: Examining gendered mobility through mobile media  
*Nirupama Jayaraman*

After the Leap: Renewing the 'Daily Soap' Industry in Post-Lockdown Mumbai  
*Sreenidhi Krishnan*

Filtering the Human Body: The Playful Labor of Producing Images on Social Media  
*Lakshita Malik*

Mediated Pollution - Platforming environmental communities *Padmapriya Vidhya-Govindarajan, New York University*

Chair:

*Lakshita Malik*

Session Organizer:

*Nirupama Jayaraman*

## 252. Science, Technology and the Collective Good: When and for Whom is Innovation Beneficial? II

2:00 to 4:00 pm

Building B: B108

Participants:

"Just Like Highways": Digital Public Goods And The Platformization of Finance in India *Snigdha Kumar, University Of Minnesota, Twin Cities*

Mission-oriented funding - a new role for innovation in society *Cecilie Hilmer, Science and Technology Studies, University College London*

Scaling frictions: Managing environmental data with citizen science cyberinfrastructure *Edward E Millar, Toronto Metropolitan University; Sarika Sharma, University of Texas-Austin*

Chair:

*Sarika Sharma*, University of Texas-Austin

Session Organizers:

*Ilaria Galasso*, University College Dublin

*Susi Geiger*, University College Dublin

## 253. The Algorithmic Translation of Expertise: Machine Learning and Expert Practices I: Areas and Cases

2:00 to 4:00 pm

Building B: B111

Participants:

Artificially Intelligent Science: AI Interlocutors in Scientific Laboratories *Joshua Silver, The University Of Chicago; Karin Knorr Cetina, University of Chicago*

Automating Expert Assessments of Scientific Publications *Maria del Rocío Fonseca Sasian, Humboldt Universität zu Berlin*

Data Science Supplementing Agricultural Expertise? Environmental Precision, Quantification, and Data Products in French Agricultural Sciences *Jeanne*

# FRIDAY

*Oui, Cornell University*

Displacing expertise through AI: designing a machine learning algorithm at the French Supreme Court of justice *Camille Girard-Chanudet, EHESS - Centre d'Etude des Mouvements Sociaux*

How AI Impacts Healthcare Practice and Expertise: an Investigation Merging Ethnography and Philosophy of Technology *Eliana Bergamin, Erasmus Universiteit Rotterdam; Justien Dingelstad, Erasmus Universiteit; Iris Wallenburg, institute for Health Policy and Management*

Discussant:

**Wanheng Hu**, Cornell University

Chair:

**Wanheng Hu**, Cornell University

Session Organizer:

**Wanheng Hu**, Cornell University

## 254. Geographies of Ignorance III: (Non) Sensing Remotely

2:00 to 4:00 pm

Building B: B 201

Participants:

Feminist and Ethnic Studies Critiques of the Search for Life on Mars and the "Unknown Green Monster Problem" *Maya Cruz, Stanford University*

Finding My Way: From the Digital Atrophy of Navigation to the Discovery of Humanistic Infrastructure *Elizabeth Le, University of Texas at Austin*

Ground, but Illicit, Truth: Satellite Surveillance, Scale, and Ignorance as Agrarian Resistance in Indonesia *Jenny Elaine Goldstein, Cornell University*

Chair:

**Abby Kinchy**, Rensselaer Polytechnic Institute

Session Organizer:

**Scott Frickel**, Brown University

## 255. Organisms and/as Technologies I

2:00 to 4:00 pm

Building B: B205

Participants:

Classification, Care, and Response-ability in Human-Leech Medicines *Lisa Allette Brooks, University of California Berkeley*

Mice, Opossums, Humans, Eggs, Placentas, and Sperm: Illuminating Reproductive Worlds and Proliferating Human-Nonhuman Relations in the Research Lab and Fertility Clinic *Manon Lefevre, Yale University*

Response-able Relations In Experimental Diagnostics - Disease Detection Dogs As Screening Devices For COVID19 *Sanna Karoliina Vellava, University of Helsinki*

Discussant:

**Anna Krzywoszynska**

Chair:

# FRIDAY

**Erika Amethyst Szymanski**, Colorado State University

Session Organizer:

**Marie F Turner**, Colorado State University

## 256. The Meanings of Biometrics, and their Consequences II

2:00 to 4:00 pm

Building C: C010

Participants:

Self-tracking Algorithms and Gamified Biometrics: Problematic Knowledge-making and (Dis)embodied Practices *Li Zheng, Georgia Institute of Technology*

Supporting Agency in Self-Tracking: A Case Study of Wearable-Connected Apps for Diabetes Management *Rachel Tunis, The University of Texas at Austin*

Am I Who I Say I Am? Biometric Identification in Healthcare *Morgan Banville*

Automating Care: Online Food Delivery Work During the CoVID-19 Crisis in India  
*Tina Park, Partnership on AI; Anubha Singh, University of Michigan - School of Information*

Facing the Emotional Human: The Development of a New Mode of Observing the Face through FACS *Heewon Kim, Korea Advanced Institute of Science and Technology (KAIST)*

Chair:

**Ranjit Pal Singh**, Data & Society Research Institute

Session Organizer:

**Michelle Spektor**, Massachusetts Institute of Technology

## 257. What kinds of Knowledges and Infrastructures are Mobilized for Nuclear Renaissance?: Interpretations of Dis/Advantages and Social Mobilizations II

2:00 to 4:00 pm

Building C: C012

Participants:

Lessons from the Nevada-Semipalatinsk movement *Kulyash Zhumadilova, Virginia Tech*

Nuclear Safety: A Regulatory Approach for Nuclear Renaissance? *Misria Shaik Ali, Rensselaer Polytechnic Institute*

The Bataan Nuclear Power Plant: Penis, Pig, and Phantom *Benedict Salazar Olgado, University of California, Irvine*

Producing Gandhian defendants for Indian anti-nuclear dissent *Monamie Bhadra Haines, Technical University of Denmark - DTU*

Chair:

**Aya Hirata Kimura**, University of Hawaii

Session Organizer:

**Aya Hirata Kimura**, University of Hawaii

## 258. The Colonial Legacies of Biosciences and Big Data: Nativism, marginalisation, and biocoloniality in the era of surveillance capitalism I

2:00 to 4:00 pm

# FRIDAY

*Building C: C105*

Participants:

Computer Aided detection (CAD) for tuberculosis: a redemption tool for global health? *Pierre-Marie David, Université de Montréal; Julien Onno, University of Montreal; Faiz Ahmad Khan, University Mc Gill*

Genomic research and its imaginaries: A case study of the Southern African Human Genome Program *Adjuia Helen Akinwumi, Simon Fraser University, Communication*

Investable childhood: colonial exposures and epigenetic policy in settler colonial Australia *Jaya Keaney, The University Of Melbourne, Australia*

Postcolonial Nationalism and National Belonging in Pakistan's Genomics Initiatives *Tayyaba Zehra Jiwani, Habib University*

Chair:

**Tayyaba Zehra Jiwani**, Habib University

Session Organizer:

**Ernesto Schwartz Marin**, Exeter University

## 259. Bodies, embodiment & technology

*2:00 to 4:00 pm*

*Building C: C108*

Participants:

How Do Amputation and Limb Prostheses Reconfigure Bodies and Experiences? Insights From an Ethnography of Amputees' Rehabilitation and Daily Life *Lucie Dalibert, University Claude Bernard Lyon 1; Valentine Gourinat, University Claude Bernard Lyon 1; Paul-Fabien Groud, University Claude Bernard Lyon 1*

Irradiated Body Parts and Ecological Relationality after the Fukushima Nuclear Disaster *Ina Kim, University of California - Irvine*

Leaking milk, and falling hair. Embodied experiences and technological remaking's of becoming a mother to a dead child *Stine Willum Adrian, Aalborg University*

Leaky bones and crappy data: extracting ancient DNA fragments from soil sediments *Matthaeus Rest, MPI for Evolutionary Anthropology*

Plastic Masculinity: Analyzing Hegemonic Masculinity in times of Mediatization and Biomedicalization *Michael Nebeling Petersen, University of Copenhagen, Faculty of Humanities; Tobias Raun, University of Roskilde*

Science vs. Nature. Walking in the Uncanny Playground *Sara Casartelli, Sapienza, University of Rome -- Department of Economic and Social Sciences*

Chair:

**Matthaeus Rest**, MPI for Evolutionary Anthropology

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 260. The Law and the Conflictive Reconfiguration of Collectives II

*2:00 to 4:00 pm*

*Building C: C110*

# FRIDAY

## Participants:

The Challenge of Healthcare Innovation: How to Address the Issues of Regulating Unproven Therapy *Kayo Takashima, Kyoto University; Shibly Shahirier, Uehiro Research Division for iPS cell Ethics, Center for iPS Cell Research and Application, Kyoto University; Jusaku Minari, Kyoto University*

The Impact of China's New Data Security Law and Personal Personal Information Protection Law on Internet Research *Yiran Gao, University of Illinois Urbana-Champaign*

Mapping the conflictive space of AI regulation: four approaches to AI control *BILEL Benbouzid, Université Paris Est Marne la Vallée*

## Chair:

**Nicolas Baya-Laffite**, Université de Genève

## Session Organizer:

**Nicolas Baya-Laffite**, Université de Genève

## 261. Templates / Plantillas / Modelos II: Critical approaches to structures and spaces

2:00 to 4:00 pm

Building C: C204

## Participants:

Building Templates, or Creole Metrology *Megan Eardley, Princeton University*  
Hospital Architecture and the Templatizing of Expertise *Julie Zook, Texas Tech University*

Video Analytics as Architectural Diagram: Standards, Abstraction and the Production of Legitimacy *Rebecca Smith, Taubman College of Architecture and Urban Planning, University of Michigan*

## Chair:

**Diogo Pereira Henriques**, Aarhus University

## Session Organizer:

**Aaron Shapiro**, The University of North Carolina at Chapel Hill

## 262. Multiple Futures of Energy and Mobility Transitions II: Visions, Imaginaries and Contestation

2:00 to 4:00 pm

Building C: C207

## Participants:

The Blackout as Event: Australian and US perspectives in energy transitions  
*Declan Liam Kuch, Institute for Culture & Society, Western Sydney University; Dominic Boyer, Rice University*

Heroic State and Epic Science. Analysis of a Socio-Technical Imaginary in the Theming of the Argentine Energy Transition *Leandro Nicolas Altamirano, Centro de Ciencia, Tecnología y Sociedad Universidad Maimonides*

Public Forums, Municipal Futures, and Infrastructural Pathways for Philadelphia's Energy Ecology *Alison Kenner, Drexel University; Morgan Sarao, Drexel University Center for Science, Technology, and Society (STS); James Adams, University of California, Irvine; Andrew Rosenthal, Drexel University;*

# FRIDAY

*Briana Leone, Drexel University*

Chair:

**Rebecca Monteleone**, University of Toledo

Session Organizer:

**Gisle Solbu**, Norwegian University of Science and Technology

## 263. Unpacking Resources from an STS Perspective

2:00 to 4:00 pm

Building C: C210

Participants:

Resources and the Situatedness of Independent Work *Margaret C Jack, Syracuse University School of Information Studies; Ingrid Erickson, School of Information Studies, Syracuse University; Melissa Mazmanian, University of California, Irvine*

Aftermath: the long-term work of civic technology response to disaster *Robert Soden, University of Toronto; Sheyasha Paudel, University of Toronto*

The spatio-temporal politics of resources: Chinese bootcamps of “big tech talent” in the U.S *Yuchen Chen*

Reframing Resources in Virtual School Landscapes *Anne Elizabeth Jonas, Michigan State University*

Enlightenment as a Resource for Exclusion and Disruption: the Role of Vernacular Philosophies in the Technology World *Morgan G. Ames, CSTMS/School of Information, UC Berkeley*

Discussant:

**Melissa Gregg**, Intel

Chair:

**Ingrid Erickson**, School of Information Studies, Syracuse University

Session Organizers:

**Margaret C Jack**, Syracuse University School of Information Studies

**Melissa Mazmanian**, University of California, Irvine

## 264. Exploring STS Through Play/Games I

2:00 to 4:00 pm

Building D: D003

Participants:

Exploitation in video games: Labor, remuneration settlement and consumption *Sifan Chen, Keio University; Nansong Zhou, New York University*

Interactive Fiction as a Tool for Imagining Alternate Futures in Space *Frank Tavares*

Playing With Soils: Co-Design And Evaluation Of A Board Game About Soil Pollution in Chile *Caleb Yunis, Universidad Alberto Hurtado*

Ethnographic Research And Game Design: Engaging Migrants In The Design Of Migration Infrastructures *Lorenzo Olivieri, University of Bologna*

Discussant:

**Caleb Yunis**, Universidad Alberto Hurtado

# FRIDAY

Session Organizer:

**Aditya Anupam**, Georgia Institute Of Technology

## 265. Studies of multispecies: Animals

2:00 to 4:00 pm

Building D: D005

Participants:

Kill and eat to preserve: the construction of the lionfish as a common enemy in the Mexican Caribbean *Pablo Sepulveda-Diaz, University of California Santa Barbara*

Mounting the Antelope: How the Early American Wild Became Information  
*Melissa Adler, Western University*

Mussolini's Cows. Incorporating race, technology, and ideology in cattle breeding practices during Fascism in Italy. *Daniele Valisena, Université de Liège (SPIRAL)*

Disembodiment and re-embodied discontinuousness: anthropocentrism transcended? – perspectives from lab-grown meat technology *Yu-cheng Liu, Soochow University*

Chair:

**Daniele Valisena**, Université de Liège (SPIRAL)

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 266. Indigenous Knowledges and Technologies II

2:00 to 4:00 pm

Building D: D006

Participants:

Procesos de comunicación propia y apropiación tecnológica de jóvenes wixáritaari *Alondra Anadary Barba*

Redes de Comunicação no Alto Rio Negro: Desafios e Propostas para a Autonomía Tecnológica *Jéssica Cristina Lozovei; Raimundo Miguel Benjamim*

Sistema Medicinal Maya: Natural, Ritual y Colectivo. Centro de Organización Comunitaria Para la Defensa Territorial *Angel Sulub, Centro Comunitario U Kúuchil K Ch'iibalo'on*

Weave; space, time and knowledge in the High Mountains of Veracruz, Mexico.  
*Gisela Hernández Muñoz, Colectivo Nikan Tipowih*

Chair:

**Claudia Magallanes-Blanco**, UNIVERSIDAD IBEROAMERICANA PUEBLA

Session Organizer:

**Carlos Francisco Baca Feldman**, Centro de Investigación en Tecnologías y Saberes Comunitarios

## 267. Labor Tech Research Network Launch II: Unconference

2:00 to 4:00 pm

Building D: D008

Chairs:

# FRIDAY

**Winifred Poster**, Washington University, St. Louis  
**Stephanie Beth Jordan**, Michigan State University

Session Organizer:

**Winifred Poster**, Washington University, St. Louis

## 268. Plantations and Epistemic Imperialism II: More-than-Human Knowledges in Monocultured Worlds

2:00 to 4:00 pm

Building D: D102

Participants:

A Plant That 'Cannot Live Alone': The Politics and Possibilities of Rendering the Oil Palm Technical *Alice Rudge, UCL*

Between Patch and Plantation: Extraction, Extinction, and Emergence in the Monocrop Zone *Sophie Marie Helene Chao, The University of Sydney*

In the Wake of the Plantation: Brazilian Scientists' Sugarcane Sustainability *Nicole Labruto, Johns Hopkins University*

Plant-People Commodifications and Post-Plantation Afterlives *Deborah Heath, Lewis and Clark College; Cristiana Bastos, University of Lisbon*

Chair:

**Alyssa Paredes**, University of Michigan - Ann Arbor

Session Organizers:

**Sophie Marie Helene Chao**, The University of Sydney

**Kregg Hetherington**, Concordia University

## 269. Studies of multispecies: Plants

2:00 to 4:00 pm

Building D: D105

Participants:

Biases In Taxonomy: The Case Of Arvenses And Semiwild Plants Flattened In Domestication Literature *Lev Jardón Barbolla, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM; Natalia Martínez Ainsworth, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM; Anayansi Sierralta Gutiérrez, Posgrado en Ciencias Biológicas, UNAM; Ana Laura Pérez Martínez, Posgrado en Ciencias Biológicas, UNAM*

Contested Knowledges, Ontological Conflicts and Olive Trees in the Plantationocene: More-than-human Politics in the *Xylella Fastidiosa* Epidemic in Apulia, Southern Italy *Fabio Gatti, Wageningen University, NL*

The Year of the Mushroom: Fungal Ambiguity in the Study of Science and Society *Janita Van Dyk, University of Toronto*

Chair:

**Janita Van Dyk**, University of Toronto

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 270. Disciplines and psy-knowledge in action

# FRIDAY

2:00 to 4:00 pm

Building D: D108

Participants:

Bricolage for a Troubled World: Chinese medicine and the Response to COVID  
19 *Eric Karchmer*

Psychiatry, Chemical Imbalance, and Personhood *Rachel Guitman, STS Program, York University*

Science Labs and Social Lives: Social Identity and Experimental Practices in Psychology *Donald V Brown, The Graduate Center, City University of New York*

Unmasking the Face and the Return of Phrenology? *Søren Riis, Roskilde University*

Chair:

**Søren Riis**, Roskilde University

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 271. Social and legal aspects of innovation

2:00 to 4:00 pm

Building D: D202

Participants:

Contribuições dos Estudos Sociais de Ciência e Tecnologia para o Ensino Jurídico: Propriedade Intelectual e Inovação *Sabrina Carvalho Verzola, Federal University of Amapá*

La innovación de modelos de negocio en la era del big-data: una perspectiva desde la capacidad de la gestión del conocimiento *salvador Tapia Gutiérrez, uam x*

O Parque Tecnológico nas cidades e comunidades sustentáveis *Luana Las Schaab, Universidade Tecnológica Federal do Paraná*

Sustentabilidade nos processos de reaproveitamento da seda para fabricação de têxteis: o caso da empresa "O Casulo Feliz" *Patrícia Gaspar, Universidade Tecnológica Federal do Paraná - UTFPR; Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná*

Chair:

**Patrícia Gaspar**, Universidade Tecnológica Federal do Paraná - UTFPR

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 272. Technology, health and disability

2:00 to 4:00 pm

Building D: D205

Participants:

Assisted Living in the Life of the Mind: Crip Methods for Building Accessibility Networks for Neurodiversity, Thriving and Disorder in Academic Labour *T.L. Cowan, University of Toronto*

Participation of the Deaf in Telecommunication Technologies: Here and There

# FRIDAY

*Julieta Cuevas Parra*

The Uncertainty of Illness Recovery: How We Transform When Full Recovery Is Not Guaranteed *Michelle Cowan, Texas Tech University*

Chair:

**Michelle Cowan**, Texas Tech University

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 273. STS between Centers & Peripheries I

2:00 to 4:00 pm

Building D: D208

Participants:

Inclusion In The 4S Community: Barriers, Biases, And Self-exclusion. *Francesca Battista, Virginia Tech STS*

The Sustainable Development Goals under the perspective of center-periphery relations: central countries dominating science agendas *Thais Aparecida Dibbern, University of Campinas (Unicamp); Milena Serafim, University of Campinas (Unicamp)*

Internationalization of STS: mainstream editors and Latin Americans authors in the crossroad *Pablo Kreimer, CONICET; Noela Invernizzi, Universidade Federal do Paraná; Amílcar Davyt, Facultad de Ciencias / Universidad de la República; Leandro Rodriguez Medina, Universidad Autonoma Metropolitana-Azcapotzalco*

Social Movements and Universities Facing Technological Dependency: a historical analysis over The Latin-American School of Agroecology (ELAA). *Iuri Michelan Barcat, UTFPR; Willian Lepinski, UTFPR; Mário Lopes Amorim, UTFPR*

Chair:

**Megan Boler**, OISE/University of Toronto

Session Organizer:

**Pablo Kreimer**, CONICET

## 274. Making science in public

2:00 to 4:00 pm

Building F: F012

Participants:

Science Media and Non-religious Identities: Affective engagement and its implications *Will Mason-Wilkes, University of Birmingham*

Visual Cultures of CRISPR: Temporal and Generic Intermediality *Sandra Nelson, University of Sussex, UK; Kate O'Riordan, University of Sussex*

What Does Public Engagement Mean to You? Mapping Diverse Meanings of Three U.S. Public Engagement Projects *Luke Della Grotte, University of Maryland College Park; Menal Shams, University of Maryland College Park; David Tomblin, University of Maryland, College Park*

Will digital tools re-configure the publics participating in environmental science?

*Catharina Landström, Chalmers University of Technology*

# FRIDAY

Espiral da Cultura Científica: Expansão com a Visão Ibero-Americanana de Apropriação Social de Ciência e Tecnologia *CIBELE MARIA GARCIA DE AGUIAR PEREIRA, Unicamp - Universidade Estadual De Campinas; Sergio Luiz Monteiro Salles-Filho, Universidade Estadual de Campinas - Unicamp*

Science London: Critical reflections from an experimental feminist-STS training space *Eleanor Armstrong, Stockholm University; Rokia Ballo, University College London; Sophie Ann Perry, Science Gallery Dublin*

Chair:

**Catharina Landström**, Chalmers University of Technology

Session Organizer:

**Noriko Hara**, Indiana University

## 275. More-than-human Whiteness I

2:00 to 4:00 pm

Building F: F114

Participants:

Heritage with cows. Conserving (white) Nordic human and nonhuman animals  
*Charlotte H. Kroløkke, University of Southern Denmark*

Race and the Saurian in Paleontological Worlds *Yuka Suzuki, Bard College*

Races of Trees and the Sciences of Forest Plantations in the US South *Kevin Burke, Lehigh University*

White Animals: Racializing Sheep and Beavers in the Argentinian Tierra del Fuego *Mara Dicenta, William & Mary*

Chair:

**Tiago Saraiva**, Drexel University

Session Organizers:

**Mara Dicenta**, William & Mary

**Tiago Saraiva**, Drexel University

## 276. Knowing the underground: Spatial and temporal depth beyond extractivism I

2:00 to 4:00 pm

Building F: F116

Participants:

Knowing the underground: machineries of digital oil *Eric Monteiro, Norwegian University of Science and Technology (NTNU)*

Knowledge Transitions For A Sustainable Urban Underground *Alexander Craig-Thompson, Uppsala University; Emmanuel Alofe, Uppsala University; Magdalena Kuchler, Uppsala University*

Rock Story: Making Public Spaces at War with the Shallow Underground *Roman Solé-Pomies, Center for the Sociology of Innovation - Mines ParisTech*

Rock-time: How geologists reconfigure Newtonian time in the context of the Anthropocene. *Helge Jordheim, University of Oslo*

Geologic Surveying as Surface-Subsurface Mediation: Critical Minerals and Settler-Colonial Technologies in Canada *Laura Pannekoek, Concordia University*

# FRIDAY

Governing the Value of the Underground: Multidimensional Geopolitics of Processing Centers in Artisanal Gold Mining *Mateo Rojas, Colorado School of Mines; Juan Lucena, Colorado School Of Mines*

Chairs:

**Matthaeus Rest**, MPI for Evolutionary Anthropology

**Alessandro Rippa**, Rachel Carson Center, University of Munich

Session Organizers:

**Matthaeus Rest**, MPI for Evolutionary Anthropology

**Alessandro Rippa**, Rachel Carson Center, University of Munich

## 277. Holding Complex Encounters: Relating in Difference I

2:00 to 4:00 pm

Building H: H011

Participants:

Sonic Encounters and Settler Colonial Perception in Urban Spaces *Angus Tarnawsky, Concordia University (Montreal, CANADA)*

The Temporal Sensorium: Or How to Conduct a Life History Interview with an Oak Tree *Kristin Ann Peterson, UC Irvine*

Failures in Knowing: Feeling Out a Radicley Empirical Plant Science *Kristin K Onzik, UC Davis Anthropology*

Discussant:

**Joseph Dumit**, UC Davis

Chair:

**Isabel De Rose**, CNRS

Session Organizer:

**Isabel De Rose**, CNRS

## 278. Empresas, trabajadores/as, estructuras sociales y subjetividades en el capitalismo informacional II

2:00 to 4:00 pm

Building H: H113-H116

Participants:

El Imaginario Socio-técnico Del Trabajo: Dirigentes Sindicales Ante La Digitalización Del Puerto De Valparaíso *Daniel Brzovic Gaete*

Extractivismo De Capacidades En El Sector De Software Y Servicios Informáticos Argentino *Verónica Robert, CONICET – EIDAES/UNSAM; Nicolás Moncaut, CONICET – EIDAES/UNSAM; Gabriel Baum, LIFIA-UNLP*

Incorporación de nuevas tecnologías: los desafíos para las formas arquetípicas de la organización del trabajo *Sonia Beatriz Roitfer, Universidad Nacional de General Sarmiento; Mariana Forencia Ortiz, Universidad Nacional de General Sarmiento*

The Danish Sociotechnical Imaginary Of The Platform Economy And The Indispensability Of Migrant Labor *Konstantinos Floros, IT University of Copenhagen*

Is A Sustainable Future for Data-Informed Technologies Possible? A Lesson from Latin America *Julian Posada, Yale University*

# FRIDAY

Chairs:

**Carina Borrastero**, CONICET / Universidad Nacional de Córdoba

**Natalia Berti**, Universidad del Rosario

Session Organizers:

**Mariano Zukerfeld**, CONICET, Universidad Maimónides

**Hernán Morero**, CONICET, Universidad Nacional de Córdoba

## 279. The True Costs of Misinformation: The Politics and Ethics of Counting the Casualties of "Fake News"

4:30 to 6:30 pm

Building A: A004

Participants:

Networked Risks and Targeted Threats to Civil Society Organizations in the United States *Joan Donovan, Harvard Kennedy School; Gabby Lim, Harvard University, University of Toronto; Jen Nilsen, Harvard University; Jonathan Corpus Ong, Harvard University, University of Massachusetts - Amherst*

Gendered disinformation: Methodological Challenges Conducting Research on Women of Color Political Candidates *DeVan Hankerson Madrigal, Center for Democracy & Technology; Dhanaraj Thakur, Center for Democracy & Technology*

Emergent Technologies, Tissue Networks, and the Hope-Hype Cycle *Jen Nilsen, Harvard University*

Pro-Democracy Frontliners as Peripheral Precarious Workers: How Foreign Aid and Local Politics Fail Global South Digital Activists *Jonathan Corpus Ong, Harvard University, University of Massachusetts - Amherst*

Discussant:

**Joan Donovan**, Harvard Kennedy School

Chair:

**DeVan Hankerson Madrigal**, Center for Democracy & Technology

Session Organizers:

**Jen Nilsen**, Harvard University

**Gabby Lim**, Harvard University, University of Toronto

**Sarah Kay Wiley**, University of Minnesota

## 280. Toward reunion: Conversations, criticisms, reconfigurations of ICTD

4:30 to 6:30 pm

Building A: A008

Participants:

Counterstorytelling for survivance: a technology co-design, co-development methodology for desettling and regenarratives for a decolonized future. *Rose Bigheart O'Leary, University of California, Irvine*

The design-reality gap twenty years later: recuperating a theory to reconfigure the ethico-political entanglements of ICTD *Jade Vu Henry, University College London (UCL)*

Artificial Intelligence for Development: A Case Study of AI4D in Kenya and Ghana *Yousif Hassan, York University*

# FRIDAY

Designing social Co-located Augmented Reality applications with youth through participatory design. *Richard Martinez, Informatics, UC Irvine*

Scientists Accidental: The Sustainable Development Paradox Exposed by Digital Brain Drain *Richard B Duque, State University of New York*

Chair:

**Naveena Karusala**

Session Organizers:

**Lucy Pei**, University of California, Irvine

**Yvette Iribar Ramirez**, University of Washington

**Philip Garrison**, University of Washington

## 281. Operational Media, Extraction and Environmental Control

4:30 to 6:30 pm

Building A: A102

Participants:

From Military Base to Solar Park - The Role of Conversion Sites for Renewable Energy Futures *Michaela Büsse, Humboldt University Berlin*

Scaling Sovereignty: the 'Energy Island' as Past and Future Political Territory  
*May Ee Wong, Aarhus University*

Datified Earths *Solveig Qu Suess, FHNW Academy of Art and Design; Asia Bazdyrieva, independent scholar*

Lithium Mining and Bathing Grounds: Operational Media in the Ore Mountains  
*Anastasia Kubrak, FHNW Academy of Art and Design*

Ground Operations *Paolo Patelli, Aarhus University*

Discussant:

**Johannes Bruder**, FHNW Academy of Art and Design

Chair:

**Johannes Bruder**, FHNW Academy of Art and Design

Session Organizer:

**Michaela Büsse**, Humboldt University Berlin

## 282. State, Science and Health in Contemporary Taiwan

4:30 to 6:30 pm

Building A: A106

Participants:

From Daubert Standard to "Reasonable Degree of Probability" in the Taiwan RCA Lawsuit: STSers' Struggle over Scientific Causation in Court from the 1990s to 2022 *Hsin-Hsing Chen, Shih-Hsin University Graduate Institute for Social Transformation Studies*

Medico-Political Landscape of Heath Technology Vaccine and Cross-Strait Politics *Wen-Hua Kuo, National Yang Ming Chiao Tung University*

Trials and Scientific Evidence in Taiwan's Plasticizer Food Scandal *Tsung-Yen Tsou, Virginia Tech*

Discussant:

**Michael M.J. Fischer**, MIT HASTS

# FRIDAY

Chair:

**Kim Fortun**, University of California Irvine

Session Organizer:

**Hsin-Hsing Chen**, Shih-Hsin University Graduate Institute for Social Transformation Studies

## 283. Expanding the Cosmos II: Relations with, Recoverings of, and Resistances to Space Sciences and Outer Space

4:30 to 6:30 pm

Building A: A110

Participants:

Empire, space science, and museums: Engaging and recovering these entanglements *Eleanor Armstrong, Stockholm University*

Material Histories of the Autonomous Laboratory and the Fantasy of Automating Discovery *Maya Cruz, Stanford University*

Unsettled Space: Epistemology As Praxis *Natalie Trevino, Open University (UK)*

Geospatial Policing: A Critical Patent Analysis *Catherine McGowan, Rutgers University - New Jersey, USA*

Chair:

**Natalie Trevino**, Open University (UK)

Session Organizer:

**Reka Gal**, Faculty of Information, University of Toronto

## 284. Fieldstations in periphery territories. Bubble of science II

4:30 to 6:30 pm

Building A: A112

Participants:

On the margins of technological innovation deployment: The sterile mosquitoes infrastructures to control (re-) emerging arboviroses in Reunion Island (France) and Chiapas (Mexico) *Kamil GHOUATI, Université Paris 8 Vincennes - Saint-Denis*

Peripheries in industrialized countries: The Norwegian Arctic case and its implications for science and technology *Alin Ake-kob, Nord University*

Work and Workers in Deserted Islands Scientific Bases. Cohabitation and Division of Labor in Kerguelen *Florence Ihaddadene, University Picardie Jules Verne; Maelezig Bigi, CNAM, Lise*

Discussant:

**JAN VERLIN**, ENS

Chair:

**David DUMOULIN KERVRAN**, Sorbonne Nouvelle University - IHEAL

Session Organizers:

**JAN VERLIN**, ENS

**Jérôme LAMY**, CNRS

**David DUMOULIN KERVRAN**, Sorbonne Nouvelle University - IHEAL

## 285. Intelligence-led policing: investigating the Dystopia

# FRIDAY

4:30 to 6:30 pm

Building A: A204

Participants:

Producing Black Boxes: Technology, Policing, and the Excluded Public *Lian Song, University of California, San Diego*

The double panopticon of POL-INTEL: digital law enforcement or analog policing as usual? *Vasilis Galis; Björn Karlsson, IT University Copenhagen*  
Big Data Policing in Denmark *Vasilis Vlassis, IT University of Copenhagen*

Chair:

**Vasilis Vlassis**, IT University of Copenhagen

Session Organizer:

**Evangelia Papada**, St. Andrews University

## 286. In the Name of the Digital: The New Frontiers of Extractivism in Latin America

4:30 to 6:30 pm

Building A: A205

Participants:

Extractivismo de datos, violencia y colonialidad *Paola Ricaurte, Tecnológico de Monterrey*

La “cuestión sobre los datos personales”: extractivismos digitales, desafíos y tensiones en tiempos de pandemia y debate constitucional en Chile *Patricia Pena, University of Chile, Institute of Image and Communication*

Discussant:

**Sebastián Lehuedé**, University of Cambridge

Chair:

**Patricia Pena**, University of Chile, Institute of Image and Communication

Session Organizer:

**Sebastián Lehuedé**, University of Cambridge

## 287. Multilingüismo, Geopolítica y Circulación del Conocimiento II

4:30 to 6:30 pm

Building B: B103

Participants:

Estrategias de Publicación Científica en la Periferia: Tensiones entre Autores y Revistas *Pablo Von Stecher, UBA - Conicet*

Injusto, Errado, Unfair? Scholars' Perceptions of Linguistic Injustice in the Latin American Scientific Field *Lucía Céspedes, Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CONICET-UNC)*

Quebrando linguistic and cultural barriers through pedagogias inter-colaborativas *Mary Jane Parmentier, Arizona State University; Lindsay Adams Smith, Arizona State University; Martin Andrés Perez Comisso; Octavio Mucino-Hernandez, SFIS - Arizona State University; Danielle Kabella, ASU School of the Future of Innovation in Society; Jeanne Simon, Universidad de Concepcion; Tomás Javier Carrozza, Universidad Nacional de Mar del Plata- Facultad de Ciencias Agrarias; Maria Torres, Arizona State University*

# FRIDAY

Chair:

**Lucía Céspedes**, Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CONICET-UNC)

Session Organizer:

**Pablo Von Stecher**, UBA - Conicet

## 288. Infrastructuring Race

4:30 to 6:30 pm

Building B: B105

Participants:

Epidermal Thinking and the Politics of Sunscreen *Jenny Brian, Arizona State University*

From Fordist Labor Control to Policing Surveillance: Surveillance as Racial Infrastructure in Modern Detroit *Alex Jiahong Lu, University of Michigan*

Markets for Whiteness: the Case of Ambi Fade Cream *Bhavna Shamasunder, Occidental College; Nicole Aimee Iturriaga, University of California Irvine; Leela Cullity, Occidental College; April Hovav, University of California at San Diego*

The White Lives of a Viral Envelope *Noemi Tousignant, University College London*

White Noise: On the Torturous Technologies of Whiteness *Jas Rault, University of Toronto*

Chairs:

**Jas Rault**, University of Toronto

**Bhavna Shamasunder**, Occidental College

Session Organizers:

**Noemi Tousignant**, University College London

**Jenny Brian**, Arizona State University

## 289. The Algorithmic Translation of Expertise: Machine Learning and Expert Practices II: Issues and Perspectives

4:30 to 6:30 pm

Building B: B111

Participants:

Hidden Humans in the Loop: Investigating representations of data work in machine learning practice *Benedetta Catanzariti, Science, Technology and Innovation Studies, The University of Edinburgh; Sarah Bennett, University of Edinburgh*

Small Labels in Big Data: Medical Image Annotation and the Inscription of Expertise in Machine Learning *Wanheng Hu, Cornell University*

Unveiling the Black Box of AlphaGo: Interpretability and Transparency of Machine learning *JIHENG HE, Cornell University STS*

Creative Abstraction: The powers of the false in algorithmic reason *Elizabeth de Freitas, Adelphi University*

Discussant:

**Benjamin Lipp**, Cornell University

Chair:

**Benjamin Lipp**, Cornell University

# FRIDAY

Session Organizer:

**Wanheng Hu**, Cornell University

## 290. Organisms and/as Technologies II

4:30 to 6:30 pm

Building B: B205

Participants:

Making “wild beers” with local yeasts. Activities and co-adaptations. *Santiago Kaderian, CONICET*

Troubling Responsibility: Innovation and Bottom-up Construction of Synthetic Life *Jason Budge, University of California Santa Barbara; Barbara Herr Harthorn, UC Santa Barbara; Laura Halcomb, University of California Santa Barbara*

Tracing relations. Ethical encounters with *Physarum polycephalum* *Maria Debinska, Institute of Archaeology and Ethnology, Polish Academy of Sciences*

Discussant:

**Anna Krzywoszynska**

Chair:

**Marie F Turner**, Colorado State University

Session Organizers:

**Maya Hey**, Colorado State University

**Erika Amethyst Szymanski**, Colorado State University

## 291. The Meanings of Biometrics, and their Consequences III

4:30 to 6:30 pm

Building C: C010

Participants:

The Coloniality of Biometric Power in Uganda: A Policy analysis of the Ndaga Muntu naigwe kalema, *UCL Institute for Innovation and Public Purpose*

Biometric Constructions Of Emirati Histories, Futures, And Identity *Mary Michael, UCSB*

Digitizing difference: Aadhar and the new digital social contract in India *Pariroo Rattan*

Tribal Enrollment Cards (TECs) In The US: A Biometric Infrastructure *Mario "Ma'ii" Villa, Syracuse University, School of Information Studies; Carsten Østerlund, School of Information Studies, Syracuse University*

Destined to be a criminal: Biometrics, race, and predictions of criminality *Jona Zyfi, University of Toronto*

Chair:

**Michelle Spektor**, Massachusetts Institute of Technology

Session Organizer:

**Ranjit Pal Singh**, Data & Society Research Institute

## 292. Science, Technology and the Collective Good: When and for Whom is Innovation Beneficial? III

4:30 to 6:30 pm

# FRIDAY

*Building C: C012*

Participants:

Citas Como Tecnología: Un Perjuicio a los Comunes *Pedro Reynolds-Cuellar, Massachusetts Institute of Technology; Marisol Wong-Villacres, Escuela Superior Politécnica del Litoral*

Direct Potable Reuse – Chance or challenge for water justice? *Karen Moesker, PhD candidate*

What Does It Take to Make a Global Collective Good? *Illaria Galasso, University College Dublin; Susi Geiger, University College Dublin*

Chair:

**Olya Loza**

Session Organizers:

**Illaria Galasso**, University College Dublin

**Susi Geiger**, University College Dublin

**293. The Colonial Legacies of Biosciences and Big Data: Nativism, marginalisation, and biocoloniality in the era of surveillance capitalism II**

4:30 to 6:30 pm

*Building C: C105*

Participants:

Resurgent white nativist and ecofascist demographic anxieties: Appeals to demographic sciences and “realities” made in conjuring “The Great Replacement.” *Rajani Bhatia, University at Albany, SUNY*

The Data Fix: Quantifying Structural Racism During COVID-19 and Beyond *Cal Garrett, University of Illinois at Chicago; Claire Decoteau, University of Illinois at Chicago*

The net worth of Mexican “indigenous DNA”: genomics, (bio) economy and the sovereign making of ancestry *Ernesto Schwartz Marin, Exeter University*

Chair:

**Ernesto Schwartz Marin**, Exeter University

Session Organizer:

**Arely Cruz Santiago**, Exeter University

**294. Templates / Plantillas / Modelos III: Theorizing spatial and urban forms**

4:30 to 6:30 pm

*Building C: C204*

Participants:

Searching for Neon Templates in Asia and Europe *Diogo Pereira Henriques, Aarhus University*

Addressing Absence – Tagging People on the Google Maps Template *Rebecca Noone, University College London*

Transplanting “City in a Box”: Neocolonial Export of Smart City Template from Songdo, South Korea To Thủ Đức City, Vietnam *Hyo Jung Kim*

Templates, Platforms, and the Urban Infrastructural Imagination *Aaron Shapiro, The University of North Carolina at Chapel Hill*

# FRIDAY

Tilting The Balance: From Censorship To Freedom Of Speech *Mwai Daka, University of Gloucester*

Chair:

**Aaron Shapiro**, The University of North Carolina at Chapel Hill

Session Organizer:

**Jessa Lingel**, University of Pennsylvania, Annenberg School for Communication

## 295. Participatory Design in Sustainability Projects

4:30 to 6:30 pm

Building C: C207

Participants:

Permaculture Design and its Interactions with Scientific Imaginaries *Jose Perillan, Vassar College; Joseph Lanning, School for International Training, Graduate Institute*

RuralLabs as scenarios for reunion and re-design. *Juan David Reina Rozo*

Reconfigurations of Community-Engaged Research: Participatory & Digital Methods in a Refugee Camp *Negin Dahya, University of Toronto; Cansu Ekmekcioglu, University of Toronto*

Making Things for Better Economies: Induced Performativity and Actor-Network Repair-Design *Koray Caliskan, The New School*

Chair:

**Maaaz Gardezi**, Virginia Tech

Session Organizer:

**Edward Prutzer**, Virginia Tech

## 296. Exploring STS Through Play/Games II

4:30 to 6:30 pm

Building D: D003

Participants:

Making/Meat/Matter: A Tabletop Role-Playing Game *Melina Campos Ortiz, Concordia University; Ali Kenefick, Concordia University; Hanine El Mir, Concordia University*

Public Engagement in Social Media Policy Through Game Play: A Citizen Panel Case Study *Anna Lenhart, University Of Maryland College Park; Sarah Gilbert, Cornell; Katie Shilton, University of Maryland, College Park*

The Place of Play in Nanotechnology Education and Governance *Nicholas Surber, Chalmers University of Technology; Karl Palmås, Chalmers University of Technology*

Promises and Challenges of Games as Mediators of Social Change *Aditya Anupam, Georgia Institute Of Technology*

Chair:

**Aditya Anupam**, Georgia Institute Of Technology

Session Organizer:

**Aditya Anupam**, Georgia Institute Of Technology

## 297. Knowledge transfer

## FRIDAY

4:30 to 6:30 pm

Building D: D008

Participants:

Políticas De I+I En El Uruguay Del SXXI: "Impulsos y Frenos" En Una "Sociedad Amortiguadora" *Amílcar Davyt, Facultad de Ciencias / Universidad de la República; Carlos Bianchi, Profesor de Economía, Facultad de Ciencias Económicas, Universidad de la República*

Políticas públicas educacionais voltadas à inovação na cidade educadora-  
*Curitiba Zuliane Keli Bastos, UTFPR- Universidade Tecnológica Federal do Paraná; Silvestre Labiak JR., UTFPR / PPGTE; Shana Gonçalves Oliveira, UTFPR / PPGTE*

Políticas públicas para la transición sustentable del sector agroalimentario en Argentina. El caso del Programa de Buenas Prácticas Agropecuarias de la Provincia de Santa Fe. *Lucía Sanchez Deicas; Santiago Manuel Garrido, CONICET/Universidad Nacional de Quilmes*

"Aceleradora de Negocios Biotecnológicos UNAM-HIDALGO": la apuesta para producir vacunas contra el Covid-19 en México *Raul Abraham Lopez Martinez*

Motivaciones, Estrategias y Capacidades Tecnológicas para la adopción de la Industria 4.0 en México. *Maribel García Barrientos, UAM Xochimilco*

Generación de capacidades tecnológicas y construcción del sistema eléctrico argentino. Análisis del desarrollo tecnológico de las empresas nacionales del sector eléctrico (1947-1991) *Emilia Ruggeri, Conicet/Universidad Nacional de Quilmes; Santiago Manuel Garrido, CONICET/Universidad Nacional de Quilmes*

Chair:

**Santiago Manuel Garrido**, CONICET/Universidad Nacional de Quilmes

Session Organizer:

**Maribel García Barrientos**, UAM Xochimilco

### 298. Plantations and Epistemic Imperialism III: The Plantation Form as Ideology

4:30 to 6:30 pm

Building D: D102

Participants:

Must the Plantation be Large and Contiguous? *Juliet Nadeau Lu, The University of British Columbia*

Plantation Liberalism: Private Property as Imperial Episteme in the Philippine Colonial Present *Alyssa Paredes, University of Michigan - Ann Arbor*

The Plantation City: Singapore, Control, and the Purpose of Development *Stuart Strange, Yale-NUS*

What Are Complaints of Villagers about Oil Palm Expansion in Indonesia?  
*Afrizal Afrizal, Universitas Andalas*

When the Plantation University Talks Back *Kregg Hetherington, Concordia University*

Chair:

**Sophie Marie Helene Chao**, The University of Sydney

# FRIDAY

Session Organizers:

**Kregg Hetherington**, Concordia University

**Alyssa Paredes**, University of Michigan - Ann Arbor

## 299. Disasters, risks, and catastrophes

4:30 to 6:30 pm

Building D: D105

Participants:

Ontological Politics Of Forest Fire Management In India *kapil yadav, Kings College London/ Leverhulme Centre for Wildfires, Environment and Society*

Realidades Apartes: ¿Qué Significan Incertidumbre, Ambivalencia y Polifonía para la Sociedad Moderna? *Andreas Metzner-Szigeth, Free University of Bolzano*

The Figures and the Disaster: Controversy over the Stability of Sewol Ferry and Disaster Frames *Jungha Hwang, Seoul National University, Republic of Korea*

Rachel Blau DuPlessis's Late Work: Old Age and the Environmental Apocalypse *João Paulo Guimarães*

Discourses of Risk and the Shaping of Technology Ethics Work *Richmond Y Wong, Georgia Institute of Technology*

Chair:

**Jungha Hwang**, Seoul National University, Republic of Korea

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 300. (In)visibilizing Racism in Cryptoracial Societies: Categories, Bodily Markers, and Transcription Devices, from Technoscience to Social and Health Policy

4:30 to 6:30 pm

Building D: D108

Participants:

Who Counts in Official Statistics? An Ethical-Epistemic Analysis of Racial/Ethnic Categorisations in Germany *Saana Jukola, Ruhr University Bochum*

On Indigenous and Mestizo Microbes: Cryptoraciality in Human Microbiome Research *Jan Baedke, Ruhr University Bochum*

Taking the Measure of Racism: Skin Tone Technologies and Their Effects, from Socioeconomic Surveys to Societal Discourses *Sarah Abel, British Academy Postdoctoral Fellow, Centre of Latin American Studies, University of Cambridge*

Becoming Prietx: The 'Bolsa de Talento Racializado' as a Race-making Technology *Abigail Nieves Delgado, Utrecht University, Utrecht, The Netherlands*

The Diet of the Poor: Food Interventions and Racism in the Second Half of the 20th Century *Joel Vargas-Domínguez, DIE, Cinvestav*

Chair:

**Abigail Nieves Delgado**, Utrecht University, Utrecht, The Netherlands

Session Organizer:

**Abigail Nieves Delgado**, Utrecht University, Utrecht, The Netherlands

# FRIDAY

## 301. Social Movements and STS

4:30 to 6:30 pm

Building D: D202

Participants:

Co-production of Climate Policy: Youth Climate Movement within the Argentinean Extended Peer Community *Roque Pedace, Universidad de Buenos Aires; Maria Elina Estebanez, Universidad de Buenos Aires; Jorgelina Sannazzaro, Centro de Estudios sobre Ciencia, Desarrollo y Educación Superior (Centro asociado al CONICET)*

#ElDerechoADefenderDerechos. Los Roles Del Estado y La Sociedad Respecto De La Garantía De Derechos De Quienes Viven La Guerra En Colombia En El Marco Del Litigio Estratégico *Sindy Castro Herrera, Dejusticia*

Justicia bajo sus propias Manos *Laura Milena Segovia*

Transición agroecológica en la agricultura mexicana desde un abordaje del constructivismo social de la tecnología *José Francisco Avila Castañeda, Universidad Autónoma Chapingo; Yolanda Castañeda Zavala, Universidad Autónoma Metropolitana*

From Surveillance to Recognition: 2020 U.S. Census Counting in the Language of Visibility *Hannah Obertino-Norwood, University of Chicago Crown Family School of Social Work, Policy, and Practice*

Chair:

**José Francisco Avila Castañeda**, Universidad Autónoma Chapingo

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 302. STS between Centers & Peripheries II

4:30 to 6:30 pm

Building D: D208

Participants:

Consolidação de Grupos Hegemônicos e Deslocamento da Gestão Financeira e Sociopolítica no Programa Capes-PrInt *Victor Luiz Alves Mourao, Federal University of Viçosa (UFV-Brazil); DANIELA ALVES DE ALVES, Universidade Federal de Viçosa*

De-centering STS: The view from Aotearoa New Zealand *Courtney Addison, Victoria Uni of Wellington; Nayantara Sheoran Appleton, Victoria University of Wellington*

How Is Fiction Responding To Science Of The Periphery? A Closer Look At The Indian Detective Narrative *Pratiti , University of California Berkeley*

Infrastructures Of Postcolonial Modernity: The Cultural Politics Of Climate Modeling In India *Andra Sonia Petruiti, Cornell University*

Playing With 'Giants': Fieldwork In Mongolia As Production Of 'Stabilized Actant' *Irina Popravko, Laboratory for Social and Anthropological Research*

Chair:

**Noela Invernizzi**, Universidade Federal do Paraná

Session Organizer:

# FRIDAY

**Pablo Kreimer**, CONICET

## 303. More-than-human Whiteness II

4:30 to 6:30 pm

Building F: F114

Participants:

Repatriated Lions and Rehabilitated Orangutans: White Supremacy and Animal Advocacy in South Africa and Southeast Asia *Juno Salazar Parrenas, Cornell University, Department of S&TS*

The Shitty Affairs of British Colonialism in Malaya: Agricultural experimentations as race-based livestock interbreeding *Aida Arosoaie, UW-Madison*

White Oranges: Cloning and the Ruins of Capitalism in the Global South *Tiago Saraiva, Drexel University*

Whitening the beehive: Modern Apiculture and the Breeding of *Apis mellifera* during the 20th Century in the Yucatán Peninsula, México *Angelica Marquez-Osuna, Harvard University*

Chair:

**Mara Dicenta**, William & Mary

Session Organizers:

**Tiago Saraiva**, Drexel University

**Mara Dicenta**, William & Mary

## 304. Knowing the underground: Spatial and temporal depth beyond extractivism II

4:30 to 6:30 pm

Building F: F116

Participants:

Sensing Faultlines: Earthquake Alerts Systems, Slope Stability Radars and the Crisis Temporalities of Moving Rocks *Maria Paz Almenara, New York University*

Shaking Knowledge, Shaky Knowledges: Articulations Of Land Subsidence And Extractivism In Groningen And Semarang *Marie Valérie Belland, University of Amsterdam - AISSR; Hannah Porada, University of Amsterdam*

"The limits to tell a story": Emerging frontiers and unexpected undergrounds following earth system science practices. *Martín Fonck, Institute For Advanced Sustainability Studies, Potsdam*

Working on the Farm or in the Hole: Vertical Geopolitics of Rural Colombian Livelihoods *Casey Gibson; Jessica M Smith, Colorado School Of Mines*

Toiling the Land (Below): Subterranean Farming and the Repurposing of Extractive Infrastructure *Zsuzsanna Dominika Ihar, University of Cambridge*

Expertises and mapping reconfiguring the (under)ground: The Morelos Pipeline *Jessica Malinalli Coyotecatl Contreras, University of California, Santa Barbara*

Chairs:

**Alessandro Rippa**, Rachel Carson Center, University of Munich

**Matthaeus Rest**, MPI for Evolutionary Anthropology

Session Organizers:

# FRIDAY

**Alessandro Rippa**, Rachel Carson Center, University of Munich  
**Matthaeus Rest**, MPI for Evolutionary Anthropology

## 305. Holding Complex Encounters: Relating in Difference II

4:30 to 6:30 pm

Building H: H011

Participants:

Future Ayahuasca Care Spaces: An Experimental Speculative Exercise *Emilia Sanabria, CNRS - CERMES3; Piera Talin, CNRS - CERMES3; Isabel De Rose, CNRS; Pietro Camila de Pieri Benedito, CNRS*

Justiça epistêmica e enfrentamento aos negacionismos: duas agendas paralelas? Lideranças de comunidades marginalizadas pesquisando seus próprios territórios (NE/Brasil) *Ana Gretel Echazú Böschemeier; Breno S. Carvalho, UFRN*

Suscitar um encontro: a arte do acontecimento *Edgar Rodrigues Barbosa Neto, Federal University of Minas Gerais (UFMG)*

Chair:

**Emilia Sanabria**, CNRS - CERMES3

Session Organizer:

**Isabel De Rose**, CNRS

## 306. Banquet

7:30 to 10:30 pm

Gymnasium: Gymnasium

Session Organizer:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

# SATURDAY

## SATURDAY, DECEMBER 10

### **307. Entangling digital inequalities and upheavals**

*8:30 to 10:30 am*

*Building A: A004*

Participants:

The Privacy and Security Divide. Exploring Some Class Aspects of Digital Inequalities *Anastassija Kostan, Max Planck Institute for Security and Privacy*

Whose Culture is Transmissible?: Untangling the Technopolitics of Territory within Collaborative Online International Learning *Timothy D Reedy, University Of Maryland College Park; Matthew Aruch, University Of Maryland College Park*

For the People or "Progress"? Interrogating Interest in Algorithmic Literacy *Kelley Cotter*

Labor resistance and ICTs *Christian Sperneac-Wolfer, Institut für Sozialforschung*

Platforms in the City: Hybrid Infrastructures Between Inclusion and Inequality *Parijat Chakrabarti, Princeton University*

Chair:

**Matthew Aruch**, University Of Maryland College Park

Session Organizer:

**Anastassija Kostan**, Max Planck Institute for Security and Privacy

### **308. Engaging From The Periphery: Reconfiguring Approaches And Practices Within Socio-Technical Research**

*8:30 to 10:30 am*

*Building A: A008*

Presenters:

**Kentaro Toyama**, University of Michigan

**Negin Dahya**, University of Toronto

**Kishonna Gray**, University of Kentucky

Chair:

**Belén Giménez Ciciolli**, University of Siegen

Session Organizers:

**Sarah Rüller**, University of Siegen, Germany

**Konstantin Aal**, University of Siegen

### **309. Epistemic injustice, social practices of oppression and privilege in the invisibility of the production of knowledge in women I**

*8:30 to 10:30 am*

*Building A: A012*

Participants:

Behavioral settings and ecological reasonings *Melina Gastelum, Universidad Nacional Autonoma De Mexico*

Como as perspectivas feministas podem ajudar a formar melhores cientistas no Brasil? *Mariana Brasil Ramos, Universidade Federal de Santa Catarina;*

# SATURDAY

*Patricia Giraldo, Universidade Federal de Santa Catarina*

"Cuestionando el Descréedito: Sobre las Asociaciones Implícitas en Procesos de Salud Sexual y Reproductiva *Rebeca Granero Ferrer, Universitat de Valencia*

Epistemic Injustice, Clinical Encounters, and Biomedicine : Examining the case of Women's Pain *Jaya Mathur*

Chair:

**Xenia Anaid Rueda**, UNAM

Session Organizer:

**Xenia Anaid Rueda**, UNAM

## **310. Interacciones Universidad-Entorno I**

*8:30 to 10:30 am*

*Building A: A102*

Participants:

Algunas Propuestas Teórico-Metodológicas para Pensar las Relaciones Universidad-Entorno *Mariana Eva Di Bello, CONICET - UNQ- UNLP; Pablo Gabriel Sánchez Macchioli, CONICET IESCT UNQ; Fernanda Andrea Soca, CONICET Universidad Nacional de Quilmes; Lucía Ana Romero, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes*

El cannabis medicinal y terapéutico en la universidad argentina actual: el caso del CIM UNLP *Lucía Ana Romero, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes; Oscar Eduardo Aguilar, CONICET - Instituto de Estudios sobre la Ciencia y Tecnología, Universidad Nacional de Quilmes*

Interacción Universidad-Entorno. El caso del Centro NanoMat de la Universidad de la República, Uruguay *Gabriel Barrero, Universidad de la República (Uruguay); Amílcar Davyt, Facultad de Ciencias / Universidad de la República; Santiago Manuel Garrido, CONICET/Universidad Nacional de Quilmes*

La universidad como promotora del desarrollo de sistemas embebidos abiertos en contextos semi periféricos: el caso del proyecto Computadora Industrial Abierta Argentina. *Luciana Monica Guido, CEUR CONICET; Mariana Versino*

Vinculación y Transferencia de Conocimientos Universitarios: Tendencias en Enfoques Teórico-metodológicos y Temas de Investigación *Malena Méndez Isla; Mariana Versino*

Chair:

**Amílcar Davyt**, Facultad de Ciencias / Universidad de la República

Session Organizer:

**Mariana Eva Di Bello**, CONICET - UNQ- UNLP

## **311. Reconfiguring "Ground:" Elemental Choreographies in Earthly Surfaces and Depths I**

*8:30 to 10:30 am*

*Building A: A104*

Participants:

Jade and the construction of the Mesoamerican past (and present). An

# SATURDAY

archaeology of a geologist's fieldnotes *Miruna Achim, Universidad Autonoma Metropolitana Cuajimalpa*

Life Itself: Darwin, Patagonia, and the Coming Catastrophe *Carlota McAllister, York University*

Society is Matter out of Place: Messiness and Purification on a Mountain of Gold *Elizabeth Ferry, Brandeis University*

Rough Topographies: Grounding the History of Oil Extraction in Mexico's Gulf Coast *Monica Salas Landa, Lafayette College*

Chair:

**Gabriela Zamorano**, El Colegio de Michoacan

Session Organizers:

**Sandra Rozental**, Universidad Autonoma Metropolitana

**Miruna Achim**, Universidad Autonoma Metropolitana Cuajimalpa

## **312. Monsters, Cyborgs, Humans: Trans STS and the Reassembly of Science and Technology I**

8:30 to 10:30 am

Building A: A106

Participants:

Mad(e) monsters: Transgender madness and post-humanist subversions of monstrosity *W. Ariel Gould, Dalla Lana School of Public Health, University of Toronto*

"Transgender Questions, Transgender Answers": Comparing In-Community Knowledges By/For Transgender People with Institutional Research About Transgender People *Claire McDonald, The Information School, University of Washington*

Monstrous Affinities and Theorizing Structural Oppression *Beck Corby*

Discussant:

**Tristan Gohring**, Indiana University - Bloomington

Chair:

**Beck Corby**

Session Organizer:

**Tristan Gohring**, Indiana University - Bloomington

## **313. Power After AI I: Organizing spaces in the Age of Intelligent Machines**

8:30 to 10:30 am

Building A: A110

Participants:

Assembling AI Cities in Taipei and Yokohama *Sung-Yueh Perng, National Yang Ming Chiao Tung University; Tsu-Hsiang Chang, National Yang Ming Chiao Tung University, Taiwan*

Black Box Privacy: The Anti-Response-Ability of Data Deletion As A Privacy Solution *M.R. Sauter, University of Maryland, College Park*

The Turn to 'Disruptive Innovation': A Case Study of the UNHCR *Alphoncina Lyamuya, Annenberg School for Communication & Journalism, University of Southern California*

# SATURDAY

Network Ideology and Infrastructural Subjectivity in 5G *Niels ten Oever, University of Amsterdam*

'Cleaning' Data: The reproductive labor of curation *Will Orr, Annenberg School for Communication & Journalism, University of Southern California*

Situating Responsibility: tensions in worker power and business imperatives in industry AI ethics *Michael Madaio, Microsoft Research*

Chair:

**Sophie Toupin**, Concordia University (Montreal, CANADA)

Session Organizer:

**Fenwick McKelvey**, Concordia University (Montreal, CANADA)

## **314. Reconfigurations in Education Research: EDU-STS as an Emerging Field I.**

**Reconfiguraciones en la investigación educativa: EDU-STS como campo emergente I**

8:30 to 10:30 am

Building A: A112

Participants:

Fix intentions; Fix the world. Unintended Consequences as Power in Teaching Tech Ethics *Gabriel Medina-Kim, Rensselaer Polytechnic Institute*

"Scientifically Based Research": Objectivity as a mode of social organization *Shenghe Ye, The University Of Chicago*

Contributions of Polytechnic Education to the STS Field: First Approximations

*Lucas Barbosa Pelissari, Instituto Federal de Educação, Ciência e Tecnologia do Paraná*

Seeing 'Air': Epistemic Infrastructure and Pedagogies of Inversion *Jais Brohinsky, University of Wisconsin-Madison*

The h-Index, Surveillance and Materialisation of Information in Higher Education *Lesley Gourlay, UCL INSTITUTE OF EDUCATION*

Chairs:

**Elin Sundstrom Sjodin**, Malardalen University, Sweden

**Radhika Gorur**, Deakin University

Session Organizer:

**Lesley Gourlay**, UCL INSTITUTE OF EDUCATION

## **315. Reconfiguring engineering studies... [to what ends?]**

8:30 to 10:30 am

Building A: A202

Participants:

¿Cómo estudiamos la brecha de género en ingeniería? *Andrea Vera-Gajardo, Universidad de Valparaíso*

Engineering the Future of Work?: Engineers, Robots, Workers *Yunus Dogan Telliel, Worcester Polytechnic Institute*

Hybrid engineering: An auto-ethnographic story of hybrid curriculum development, learning, and teaching *Eunjeong Ma, Pohang University of Science and Technology*

## SATURDAY

The Abnormal Club: How Electronics Engineers Animated Two Taiwans *Kuo-Hui Chang, National Taiwan University; Gary Downey, Virginia Tech; Po-Jen Shih*

The reconfiguration of the engineering curriculum through Buen Vivir and Engaged Engineering *Sandra Milena Bonilla, UTP; Juan David Reina Rozo; Alexei Ochoa-Duarte, Universidad Nacional de Colombia*

Reverse Engineering Reverse Engineering: an Ethics of Media Arts Maintenance and Conservation *Ezra Teboul, CIRMMT, McGill University*

Chairs:

**Vivian Anette Lagesen**, NTNU

**Jessica M Smith**, Colorado School Of Mines

Session Organizers:

**Vivian Anette Lagesen**, NTNU

**Jessica M Smith**, Colorado School Of Mines

### **316. Relations Between STS and Education for Sustainable Development (ESD) I**

8:30 to 10:30 am

Building A: A204

Participants:

Alimentação Decolonial e o Debate sobre Processos Educativos: uma Experiência de Pesquisa com Docentes em Abordagem Interdisciplinar *Elisangela Christiane de Pinheiro Leite Munaretto, UTFPR Universidade Federal Tecnológica Federal do Paraná*

As Hortas Comunitárias nos espaços escolares no Programa Comunidade Escola no Município de Curitiba *Lígia Marcelino Krelling, Universidad Tecnológica Federal del Paraná (UTFPR); ELOY FASSI CASAGRANDE JR, UTFPR*

Educación Para Una Transición Justa Hacia la Sustentabilidad Desde La Perspectiva De Las Juventudes *Jorgelina Sannazzaro, Centro de Estudios sobre Ciencia, Desarrollo y Educación Superior (Centro asociado al CONICET); Pablo Aránguiz, Universitat Politècnica de València*

Exploring Distinct Sustainable Development Strategies: How Do They Recombine Technology and Culture? *Andreas Metzner-Szigeth, Free University of Bolzano*

Chair:

**Andreas Metzner-Szigeth**, Free University of Bolzano

Session Organizer:

**Andreas Metzner-Szigeth**, Free University of Bolzano

### **317. Repair Imaginaries: envisioning and enacting better relations in imperfect worlds I**

8:30 to 10:30 am

Building A: A205

Participants:

Care methodologies to evaluate and advance just perennial transitions in agriculture *Amy Teller, University of Minnesota; Tara Conway, University of Minnesota; Aubrey Streit Krug, The Land Institute*

# SATURDAY

Fixing for Change: Stories of Information and Aspiration at Local Repair Initiatives *Michelle Kaczmarek, The University of British Columbia*  
*Kaienti:io Marina Zafiris, Cornell University*

Chair:

**Alissa Centivany**, University of Western Ontario

Session Organizers:

**Michelle Kaczmarek**, The University of British Columbia  
**Alissa Centivany**, University of Western Ontario

## 318. Seeking Arrangements: Transactional Care in Machine-Mediated Worlds I

8:30 to 10:30 am

*Building B: B103*

Participants:

Assembling Scapegoats: The Sexbot as Technocare Surrogate *Alyson K. Spurgas, Trinity College*

Do Sex Robots Dream...of Revolution? *Robyn Lee, University of Alberta*

Making Nüzhubo: Commodified Intimacy and Gendered Labour in Chinese Live/Life Streaming *Jingyi Gu, The Institute of Communications Research, University of Illinois Urbana-Champaign*

Making Work Human: People Analytics, Affect, and the Future of Work *Odalys Garcia Gorra, University of Texas at Austin; Iván Chaar López, The University of Texas at Austin; Victoria Sánchez, Border Tech Lab, University of Texas at Austin*

Chair:

**Beth Semel**, Princeton University

Session Organizer:

**Mitali Thakor**, Wesleyan University

## 319. Social Care I

8:30 to 10:30 am

*Building B: B105*

Participants:

Shifting Practices of Care with Data and Digital Systems: A Case Study from Immigration and Settlement Services in Canada *Saguna Shankar, The University of British Columbia*

The Infrastructure of Last Resort: Logistics and Translation in Homeless Services *Pelle Tracey, University of Michigan; Patricia Garcia, School of Information, University of Michigan*

Accountability and neglect in UK social care innovation *Cian O'Donovan, University College London*

Chair:

**Cian O'Donovan**, University College London

Session Organizer:

**Cian O'Donovan**, University College London

## 320. Theorizing the Human and their Surround after the Microbiome

# SATURDAY

8:30 to 10:30 am

Building B: B111

Participants:

Alive Together: Symbiosis as Multispecies Cooperation Across Biomes and Microbiomes According to Lynn Margulis *Sofia Varino, University of Potsdam*

Microbiome Malleability and Ecological Thinking *Jane Dryden, Mount Allison University; Drew Inkpen, Mount Allison University*

What Is Microbiomish? Connecting Principles For Microbiome Community Structure To Practices For Multispecies Relations *Erika Amethyst Szymanski, Colorado State University; Marie F Turner, Colorado State University*

The microbiome multiple: DTC Microbiome tests in social media worldings of health and biomedicine. *Massima Armani, York University; Sandra Widmer, York University, Canada*

The Necrobiome, A Reunion of Surroundings *Lee Claiborne Nelson*

Discussant:

**Samara Brock**, Yale University

Chair:

**Erika Amethyst Szymanski**, Colorado State University

Session Organizer:

**Erika Amethyst Szymanski**, Colorado State University

## 321. Critical Studies of Innovation I

8:30 to 10:30 am

Building C: C010

Participants:

Bringing Semiconductors Back to America? Innovation in Rustbelt Regions  
*Marlise Schneider, MCTS - Munich Center for Technology in Society (TUM)*

Innovation without growth: Science, technology and Innovation in a post-growth era *mario pansera, Universidade de Vigo*

Reimagining the “world’s barn”. Innovation in the bioeconomy as a model for development in Argentina *Gabriela Bortz, IESCT-UNQ (Institute of Science and Technology Studies - Universidad Nacional de Quilmes) / CONICET*

The new whole state system: Reinventing the Chinese state to promote innovation *Tu Lan, University of New Hampshire; Lin Zhang, 34 Tideview Dr*

Chair:

**Noela Invernizzi**, Universidade Federal do Paraná

Session Organizer:

**Carolina Bagattolli**, UFPR - Federal University of Paraná

## 322. Mesa redonda: Patchwork cartográfico socioambiental, prótesis epistémicas para co-laborar

8:30 to 10:30 am

Building C: C105

Presenters:

**Victoria D' hers Stefano**, Instituto de Investigaciones Gino Germani, Universidad

# SATURDAY

de Buenos Aires

**Eunice Herrera Aguilar**, ENES Morelia, UNAM

**Diana Manrique Ascencio**, ENES Morelia, UNAM

Chair:

**Chantal Garduño Israde**

Session Organizers:

**Marcela Morales Magaña**, Escuela Nacional de Estudios Superiores Morelia, UNAM

**Columba González-Duarte**, Mount Saint Vincent University

## 323. Climate Infrastructures I: Thinking with Carbon, Markets, and Governance

8:30 to 10:30 am

Building C: C108

Participants:

Anxiety and the arts of maintaining premium carbon infrastructures *Timothy Neale, Deakin University*

Decarbonizing the language of the grid *Daniel Breslau, Virginia Tech*

Climate Futures and Infrastructures in Amazonia *Sylvia Rocio Cifuentes, Mount Holyoke College*

Remote sensing for the insurance industry: selling various climate risk rationalities *Aguiton Angeli Sara, EHESS CAK Centre Alexandre Koyré*

On the many shades of green: Exploring green hydrogen narratives in Chilean environmental policy *Sebastian Ureta, Universidad Alberto Hurtado; Tomas Ariztia, Universidad Diego Portales*

Chair:

**Alison Kenner**, Drexel University

Session Organizers:

**Aalok Khandekar**, Indian Institute of Technology Hyderabad

**Gökçe Günel**, Rice University

**Alison Kenner**, Drexel University

**Sulfikar Amir**, Nanyang Technological University

**Maka Suarez**, University of Oslo / Kaleidos - Center for Interdisciplinary Ethnography

## 324. Scholarly Communication and Its Infrastructures

8:30 to 10:30 am

Building C: C110

Participants:

Semantic Information Organization Improves Human-Data Interaction *wen lou, East China Normal University; Jiangen He, The University of Tennessee*

Thick Data for Qualitative Studies of the Web: Preservation and Epigraphy Tools for the DOM *Elliott Hauser, The University of Texas at Austin*

(Infra)structural Perversion: Meta/data for Archival Hospitality *MICHAEL ANTHONY FORTUN, University of California, Irvine*

El desarrollo de la investigación biológica en Puebla (1989-2019). *Ismael Ledesma-Mateos, UNAM - México; NATALIA DE GORTARI-LUDLOW, 2Instituto*

# SATURDAY

*de ciencias sociales y Humanidades "Alfonso Vélez Pliego" de la BUAP; Jazmín Ivonne Gutiérrez-Maya, Colegio de Bibliotecología- UNAM*

Chair:

**Asura Enkhbayar**, Simon Fraser University

Session Organizer:

**Timothy Weil Elfenbein**, Forthcoming LLC

## 325. Local pharmaceutical production accounts: beyond the hegemonic model of innovation in Global Health

8:30 to 10:30 am

Building C: C207

Participants:

The politics of vaccine manufacturing during the COVID-19 pandemic in Brazil  
*Koichi Kameda de Carvalho, Centre Population & Développement, IRD, and Institute for Research and Innovation in Society, IFRIS*

Anfoleish: presenting a new narrative for a therapeutic failure *Mady Malheiros Barbeitas, CERMES 3/ Unité Inserm 988 - Ecole des Hautes Etudes en Sciences Sociales - Paris*)

Making Medicines in Mozambique: South-South development projects, technological learning, and international competition in a donor-dependent country *Alila Brossard Antonielli, École des Hautes Études en Sciences Sociales*

Discussant:

**Anne Pollock**, King's College London

Chair:

**Mady Malheiros Barbeitas**, CERMES 3/ Unité Inserm 988 - Ecole des Hautes Etudes en Sciences Sociales - Paris)

Session Organizer:

**Koichi Kameda de Carvalho**, Centre Population & Développement, IRD, and Institute for Research and Innovation in Society, IFRIS

## 326. Recuperating the Social Contract for Science and Education

8:30 to 10:30 am

Building C: C210

Participants:

Critical pedagogies in the introductory biology classroom - Cultivating self-discovery, social consciousness and dialogic thinking *Bryan Dewsbury, University of Rhode Island*

From waste to resource - Project based learning and wastewater epidemiology in the Covid19 pandemic; *Davida Smyth, Texas A&M University*

Ethical thinking and matters of care in preservice science teacher education  
*Sara Tolbert, Te Whare Wananga o Waitaha University of Canterbury; Rishi Krishnamoorthy, Rutgers University; Cheryl Brown, Te Whare Wānanga o Waitaha University of Canterbury*

Healing relationships with the natural world through critical place inquiry *Alexa Schindel, University at Buffalo*

# SATURDAY

Discussant:

**Eliza Reilly**, National Center for Science and Civic Engagement

Chair:

**Alexa Schindel**, University at Buffalo

Session Organizer:

**Sara Tolbert**, Te Whare Wananga o Waitaha University of Canterbury

## 327. Storage: Infrastructures, Politics, Imaginaries I

8:30 to 10:30 am

Building D: D005

Participants:

Generating Storability: What it Takes to Produce the Possibility of Storing a Bio-object *Ruzana Liburkina, Goethe-Universität Frankfurt*

Pandora's Seed Box: Salvaging and Safekeeping Genetic Resource Collections  
*Zsuzsanna Dominika Ihar, University of Cambridge*

Biobancos y las disputas por las muestras *Maria Amelia Rodriguez, Universidad Nacional Autónoma de México*

Post-Prohibition Farming Practices: The Meanings and Modalities of Storage on the Cannabis Farm *Alex Rewegan, MIT*

Discussant:

**Hallam Stevens**, James Cook University

Chair:

**Jonathan Galka**

Session Organizer:

**Caroline Celeste White-Nockleby**, Massachusetts Institute for Technology (MIT)

## 328. International Scientific Collaborations: New Knowledge Infrastructures I

8:30 to 10:30 am

Building D: D006

Participants:

The HAWC International Collaboration: Knowledge Infrastructure to the Highest-Energy Cosmic Rays *Christian Jonathan Poblete-Trujillo, Universidad Autónoma Metropolitana-Azcapotzalco, México*

The Large Millimeter Telescope in Mexico and its participation in the Event Horizon Telescope Collaboration *Arturo Gómez-Ruiz, Instituto Nacional de Astrofísica, Óptica y Electrónica*

Fusing Repertoires: Are Tensions Between Academic And Technogenic Organisational Traditions Responsible For ITER's Crises? *Richelle Boone, Leiden University*

The Work of 'Successful' Collaborations: Exploring the Hidden Navigational Work Accompanying EU-Funded Collaborative Research *Rachel Fishberg, Roskilde University*

Chair:

**Simcha Jong**, Leiden University

Session Organizer:

# SATURDAY

**Richelle Boone**, Leiden University

## 329. Critical understanding of extractivism I

8:30 to 10:30 am

Building D: D102

Participants:

Alternatives to Extractivism: Ways of Knowing, Being and Doing in Relation to the Subsurface in Mozambique *Carla Braga, University Eduardo Mondlane; Esther Anne Julia Miedema, Amsterdam Institute for Social Science Research, University of Amsterdam; Evelien de Hoop, Athena Institute, Vrije Universiteit Amsterdam*

Amber circulations: violent extraction and the science of extinction *Alessandro Rippa, Rachel Carson Center, University of Munich*

An Island of Indigenous Energy Sovereignty and a Sea of Settler Colonial Darkness *Aaron Gregory, University of California at Berkeley*

Emerald Extractivism: Borders, Energy, and Digital Systems in Ireland *Patrick Brodie, University College Dublin*

Chair:

**Patrick Brodie**, University College Dublin

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 330. Disciplines, expertise and knowledge in action I

8:30 to 10:30 am

Building D: D105

Participants:

Folk Economics and Claims of Expertise in the Advertising Industry's Campaigns for Free Enterprise, 1941-1952 *Caroline Jack, University of California at San Diego*

Navigating Uncertainties: Employment of Maps in Search and Rescue Response in Northern Norway *Virginija Popovaite, Nord University*

Sensing the Foundations - Reflexive perspective elicitation as the first step in facilitating interdisciplinary knowledge co-production *Jussi T Eronen, University of Helsinki; Kelsey La Mere, Tampere University; Sakari Kuikka, University of Helsinki*

Statisticians' Discourse on the "Replication Crisis": Opportunities and Challenges for STS and Statistics *Carol Ting, University of Macau*

These images will not save us *Trine Krigsvoll Haagensen, Department of Computer Science, OsloMet*

Chair:

**Trine Krigsvoll Haagensen**, Department of Computer Science, OsloMet

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 331. ICT, data and health I

8:30 to 10:30 am

# SATURDAY

*Building D: D108*

Participants:

Analprints, poopomics, and uriflowmeters: care as a public good in smart homes for precision health *John Noel Viana, The Australian National University; Sujatha Raman, The Australian National University*

Analysing the Ethical Ground of Unhealthy Anarchism of Health APPs: A Case study of Aarogya Setu App in India *Rahul Rauny, Centre for Social Medicine and Community Health, Jawaharlal Nehru University; Swati Kumari, Centre for Studies in Science Policy, Jawaharlal Nehru University*

Creating Value Through Raising Expectations: Regimes of Promise in the European Health Data Space *Ulrike Felt, University of Vienna, Department of Science and Technology Studies*

Coach, ally or friend? Surrogate care work of therapy chatbots as transactional exchanges *Renée Ridgway, Katholische Universität (KU)*

Chair:

***Ulrike Felt***, University of Vienna, Department of Science and Technology Studies

Session Organizer:

***Conference Chairs***, 4S/ESOCITE

## 332. STS Structures & Agencies: Scholarship in Curricular Practice I

11:00 to 1:00 pm

*Building A: A004*

Participants:

Neoliberalism at Work Here: STEM Student Alignments with and Pivots away from Mainstream U.S. Socio-technical Imaginaries *Jennifer Radoff, University of Maryland College Park; Chandra Turpen, University of Maryland College Park; Fatima Abdurrahman, University of Maryland College Park; David Tomblin, University of Maryland, College Park; Sona Chudamani, University of Maryland College Park; Danjing Chen, University of Maryland College Park*

Putting STS to Work Between the Self and Community Development *Juan Lucena, Colorado School Of Mines; Mateo Rojas, Colorado School of Mines; Sofia Schlezak, Colorado School of Mines; Jaime Styer, Colorado School of Mines*

Drawing Comics as a Way of Knowing about STS *Megan Halpern, Michigan State University; Justin Wigard, Michigan State University*

Notes from the Field: On the Challenges of Teaching Constructivist Ways of Seeing *Toluwalogo Odumosu, University of Virginia*

Discussant:

***Emily York***, James Madison University

Chair:

***Megan Halpern***, Michigan State University

Session Organizers:

***Elizabeth A. Reddy***, Colorado School Of Mines

***Kari Zacharias***

## 333. Play in Computational Modeling I: Speculation, Mediation, and Design

# SATURDAY

11:00 to 1:00 pm

Building A: A008

Participants:

Must the Factory Grow? Scalability and Environmental Technopolitics in Factorio *Zach Yost, University of Chicago*

Playing with Proteins: On Transmediality and Gamification of Citizen Science *Ranjodh Singh Dhaliwal, University of Notre Dame*

Mutualistic Coupling of Speculative AI to Human Biocultural Domains *William J Lockett, New York University*

Playing with data *Goetz Hoeppel, University of Waterloo*

Chair:

**Katherine Buse**, The University Of Chicago

Session Organizers:

**Katherine Buse**, The University Of Chicago

**Samuel Pizelo**, University of California, Davis

## 334. Epistemic injustice, social practices of oppression and privilege in the invisibility of the production of knowledge in women II

11:00 to 1:00 pm

Building A: A012

Participants:

Negotiating women's pain as a way of resisting epistemic injustice, an analysis of competing institutionalized models of knowledge production in maternity care organization in France and in Canada *Maud Arnal, Centre de Recherche Médecine, Sciences, Santé, Santé Mentale et Société (cermes3), Paris*

Obstáculos y oportunidades en las carreras científicas de mujeres en el Instituto Nacional de Tecnología Agropecuaria (INTA) en Argentina *Karen Azcurra, CONICET / Centro de Ciencia, Tecnología y Sociedad Universidad Maimonides*

Pensar desde el cuidado y la cura para tramar la paz en una sociedad hostil ante las injusticias: trascender las violencias sistémicas y epistémicas *Dora Elvira García-González, UNAM FFyL*

Tensiones y oportunidades de las estrategias discursivas redistributivas utilizadas para divulgar el rol de las mujeres en la historia de la ciencia moderna *Gabriela Quezada Dotor, EHESS CAK Centre Alexandre Koyré*

The Scientific Attitude and Decision Making *Mónica Gomez Salazar, Universidad Nacional Autónoma de México.*

Chair:

**Gabriela Quezada Dotor**, EHESS CAK Centre Alexandre Koyré

Session Organizer:

**Xenia Anaid Rueda**, UNAM

## 335. Interacciones Universidad-Entorno II

11:00 to 1:00 pm

Building A: A102

Participants:

## SATURDAY

El papel de las Instituciones de Educación Superior en la formación de emprendedores: una propuesta de instrumento para su evaluación *Cristina Pérez Trejo, Universidad Autónoma Metropolitana; RENÉ RIVERA-HUERTA, UNIVERSIDAD AUTÓNOMA METROPOLITANA*

La vinculación de los docentes-investigadores de la Escuela Politécnica Nacional con la sociedad. Un análisis a partir de sus testimonios *Fernando Herrera, Universidad Técnica de Ambato*

Universidade Pública, Ações Afirmativas e Mobilidade Social: A percepção dos egressos *Márcio Moutinho Abdalla, Universidade Federal Fluminense; Pítias Teodoro, Universidade Federal Fluminense; Raphael da Costa Lima, Universidade Federal Fluminense; Luís Felipe Oliveira Alves da Silva, Universidade Federal Fluminense*

Chair:

**Mariana Eva Di Bello**, CONICET - UNQ- UNLP

Session Organizer:

**Amílcar Davyt**, Facultad de Ciencias / Universidad de la República

### **336. Reconfiguring “Ground:” Elemental Choreographies in Earthly Surfaces and Depths II**

*11:00 to 1:00 pm*

*Building A: A104*

Participants:

Views of the earth's interior: visuality of the Colima volcano in the nineteenth century *Omar Olivares, IIE-Universidad Nacional Autónoma de México*

Restoring Ground in a Volcano's Aftermaths *Sandra Rozental, Universidad Autónoma Metropolitana; Gabriela Zamorano, El Colegio de Michoacan*

Between foundation and ground: how rural radio entwines sky with earth in Peru's Upper Huallaga Valley *Richard Kernaghan, University of Florida*

Ungrounded ‘Terroirs’: Water and Earth in the Muddling of ‘Frenchness’ in Central Veracruz *Francois Richard, The University of Chicago*

Non-ethnography of San Fernando *Vivette García Deister, UNAM*

Discussant:

**Gaston Gordillo**, University of British Columbia

Chair:

**Carlota McAllister**, York University

Session Organizers:

**Sandra Rozental**, Universidad Autónoma Metropolitana

**Miruna Achim**, Universidad Autónoma Metropolitana Cuajimalpa

### **337. Monsters, Cyborgs, Humans: Trans STS and the Reassembly of Science and Technology II**

*11:00 to 1:00 pm*

*Building A: A106*

Participants:

Living into Impossibility: Imagining Technologies for Liberatory Futures with Trans Communities of Color *Kai Chak Nham, UCLA Dept of Information*

# SATURDAY

## *Studies*

Trans Pronoun Practices and Digital Pronoun-Sharing Tools: An Infrastructural Perspective *Tristan Gohring, Indiana University - Bloomington*

Hacking Biopolitics: A Transgender Approach to Bodily Autonomy and Data Ownership *Sandra Nelson, University of Sussex, UK*

Hormone Trouble: Pharmacological Futures and Queer Ecologies of Care *Diana Cage, UC Davis*

### Discussant:

**W.E. King**, University of Washington

### Chair:

**Diana Cage**, UC Davis

### Session Organizer:

**Tristan Gohring**, Indiana University - Bloomington

## **338. Power After AI II: Algorithmic Regulation in the Age of Intelligent Machines**

11:00 to 1:00 pm

Building A: A110

### Participants:

Algorithmic Impact Assessments and Algorithmic Self-Regulation *Ana Brandusescu; Renee Sieber, McGill University*

Automated License Plate Recognition: A Legitimate Form of Surveillance? *Gabriel Pereira, London School Of Economics & Political Science*

Laws for Inference: Conceptual Limits to Automated Decision-Making *Charles Luke Alan Stark*

Power within AI: Cybersecurity through Intelligent Machines *Lilly Muller, Department of Science & Technology Studies/ Cornell University*

The Future Will be Volatile: Risk Management and Decision Making in the 1970's and '80's *Orit Halpern, Concordia University*

Reconfiguring Machines *David Berry, University of Sussex*

### Chair:

**Orit Halpern**, Concordia University

### Session Organizer:

**Fenwick McKelvey**, Concordia University (Montreal, CANADA)

## **339. Reconfigurations in Education Research: EDU-STS as an Emerging Field II.**

**Reconfiguraciones en la investigación educativa: EDU-STS como campo emergente II**

11:00 to 1:00 pm

Building A: A112

### Participants:

Reflexión de la práctica pedagógica mediada por la Tecnología desde la Teoría del Actor-Red de Bruno Latour *Laura Daza Páez*

Coloniality of education in the era of Big Data: A theoretical discussion *Radhika Gorur, Deakin University; Nelli Piattoeva, Professor; Joyeeta Dey*

Choreographing protest in Chile. Student movements imagining new forms of

# SATURDAY

"living together" through education, art and social media *Cristina Alarcón López, University of Vienna*

To be read: A study about children, books and robots *Elin Sundström Sjödin, Mälardalen University, Sweden; Lina Rahm*

COVID-19 and Edtech in India's Non-elite Schools: Semiotic Analysis of Edtech Discourse in COVID-19 Era *Prateeksha Tiwari, University of Vienna*

Chair:

**Lesley Gourlay**, UCL INSTITUTE OF EDUCATION

Session Organizer:

**Lesley Gourlay**, UCL INSTITUTE OF EDUCATION

## 340. Relations Between STS and Education for Sustainable Development (ESD) II

11:00 to 1:00 pm

Building A: A204

Participants:

Integração de Políticas Públicas Visando Atenuar a Obsolescência Programada de Equipamentos Eletroeletrônicos *REGIANE BRITO, Inmetro; ELOY FASSI CASAGRANDE JR, UTFPR; Maclovia Correa da Silva, UTFPR*

Intercâmbio e participação de estudantes dos anos finais do ensino fundamental na criação de conteúdos de CTS *Silvestre Labiak JR., UTFPR / PPGTE; Marcia Regina Zago; SALETTE SILVEIRA AZEVEDO, Universidade Tecnológica Federal do Paraná - UTFPR*

Literatura, Artes e Educação Ambiental voltada para a Animalidade *Naira A Naira Almeida, UTFPR*

O modo de estar no mundo das comunidades tradicionais: uma revisão de literatura *Josiane de Oliveira Wehrmeister, Universidade Tecnológica Federal do Paraná; ELOY FASSI CASAGRANDE JR, UTFPR*

Chair:

**ELOY FASSI CASAGRANDE JR**, UTFPR

Session Organizer:

**ELOY FASSI CASAGRANDE JR**, UTFPR

## 341. Repair Imaginaries: envisioning and enacting better relations in imperfect worlds II

11:00 to 1:00 pm

Building A: A205

Participants:

PLN Elite Team: Power Line Maintainers as Celebrated Workers *Anto Mohsin, Northwestern University in Qatar*

Repair and the Hopelessly Broken: for an Ethics of the Semiconductor Supply Chain *Ezra Teboul, CIRMMT, McGill University*

Enabling Repair Networks: Following Entangled Relationships of Expertise, Markets and Materials in India *Julia Corwin, LSE - London School of Economics and Political Science*

'We are part of nature': caring for wastewater in an infrastructural experiment in the Flevopolder. *Fenna Smits, University of Amsterdam; Mandy de Wilde,*

# SATURDAY

*University of Amsterdam, The Netherlands*

Chair:

**Alissa Centivany**, University of Western Ontario

Session Organizers:

**Michelle Kaczmarek**, The University of British Columbia

**Alissa Centivany**, University of Western Ontario

## 342. Seeking Arrangements: Transactional Care in Machine-Mediated Worlds II

11:00 to 1:00 pm

Building B: B103

Participants:

Artificial Intimacies: Eldercare Robots and Animate Companionship *Mitali Thakor, Wesleyan University*

Caring Surveillance and Surveillant Care in Amazon's "Alexa Together" *Elizabeth Fetterolf, Microsoft Research New England*

Encoding Affects: Machine Learning, Mental Health, and the Promise of Care  
*Benedetta Catanzariti, Science, Technology and Innovation Studies, The University of Edinburgh*

Social Behavior and Identity in Extended Reality *Kata Szita, Trinity College Dublin*

Chair:

**Beth Semel**, Princeton University

Session Organizer:

**Mitali Thakor**, Wesleyan University

## 343. Social Care II

11:00 to 1:00 pm

Building B: B105

Participants:

Effects of COVID 19 pandemic on women and social care aspects *Emine Onculer Yayalar, Bilkent University; Melike Sahinol, Orient-Institut Istanbul*

Emergent forms of social care: The mutual shaping of governance, community and technology in a palliative care social movement in Kerala, India *Nishanth Kunnumkattil Shaji, Department of Science and Technology Studies, Rensselaer Polytechnic Institute*

Data Care: Making Up for the Informational Neglect of Marginalized Communities *Guillen Torres, University of Amsterdam*

Chair:

**Guillen Torres**, University of Amsterdam

Session Organizer:

**Cian O'Donovan**, University College London

## 344. Critical Studies of Innovation II

11:00 to 1:00 pm

Building C: C010

Participants:

Innovation in center-periphery relations: an analysis of Eclac's thinking *Carolina*

# SATURDAY

*Bagattolli, UFPR - Federal University of Paraná; Tiago Brandão, NOVA FCSH  
“Net zero” emissions for plastics and petrochemicals: Innovative framework or  
“false solution?” Erich Hellmer, Academia Sinica, Taiwan; Paul Jobin  
Symmetry, Contestation And Non-Users – A Critical Perspective Challenging  
The Pro-Social Innovation Bias Rick Hölsgens, TU Dortmund University  
Tantalus reaches for the fruit: some thoughts on the fable of innovation Rafael  
de Brito Dias, University of Campinas; Mauro Cardoso Simões, University of  
Campinas  
Innovation in illegal/clandestine settings. The FARC case study Óscar Moreno-  
Martínez, Pontificia Universidad Javeriana*

Chair:

**Cornelius Schubert**, TU Dortmund University

Session Organizer:

**Noela Invernizzi**, Universidade Federal do Paraná

## 345. Understanding biosocial technical system

11:00 to 1:00 pm

Building C: C108

Participants:

A Japanese perspective on the development of regulations governing emerging genome-relevant technologies *Jusaku Minari, Kyoto University; Kayo Takashima, Kyoto University; Shibly Shahirier, Uehiro Research Division for iPS cell Ethics, Center for iPS Cell Research and Application, Kyoto University*

Biosociotechnical Approach of Psychotropic Substance Users *Nancy Beatriz Calisto, Academic, University of the Republic (Uruguay); Lauren Predebon, Universidad de la República (Uruguay); María Pilar Bacci, Universidad de la República*

Sistemas Técnicos Biossociais: O Caso Das Farmácias Vivas E As Instituições De CTI No Brasil *Nataly Cubides Zuñiga, State University of Campinas - UNICAMP; Eimy Carolina Cubides Zuñiga, Estudante de doutorado UNICAMP; Maria Beatriz Machado Bonacelli, Professora Associada, DPCT, Instituto de Geociências*

Technology-mediated Daily Practices --- Cases from Blood Glucose Monitoring and Insulin Delivery Technologies *Yu-cheng Liu, Soochow University*

Encoding and decoding empathy - social and technical technologies as tools for change *Lisa Klautzer, TEZO Analytics LLC; Seo Yeon Hong, Tezo Analytics LLC; Swaptik Chowdhury, Pardee RAND Graduate School*

Chair:

**André Sica de Campos**, UNICAMP

Session Organizer:

**Janaina Oliveira Pamplona da Costa**, Unicamp State

## 346. Knowledge production and Cultural Media: Reconfiguring STS

11:00 to 1:00 pm

Building C: C207

Participants:

# SATURDAY

An introduction on collaborative dynamics and knowledge co-production in Serious Games *Marina Fontolan, University of Campinas (Unicamp), Department of Science and Technology Policy; Luciano Guillermo Levin, Universidad Nacional de Río Negro*

Failing Up: STS, Advocacy Documentaries, and Cultural Politics of Technology Criticism *Jacob S. Hagelberg, University of California - Davis*

Staging Identity: Technologies of Queerness in Theatrical Spaces *Alison Harding, University Of Maryland College Park*

The Allure of "White Slavery" and The Cinematic Technology of Whiteness *Victoria Pihl Sorensen*

Chair:

***Victoria Pihl Sorensen***

Session Organizers:

***Luciano Guillermo Levin***, Universidad Nacional de Río Negro

***Marina Fontolan***, University of Campinas (Unicamp), Department of Science and Technology Policy

## 347. Storage: Infrastructures, Politics, Imaginaries II

11:00 to 1:00 pm

Building D: D005

Participants:

Standardizing Inputs and Outputs: Material-Structural Metaphor in Microbiomics Biobanking *Kathryne Metcalf, University of California San Diego*

The Accretion of Cultural Heritage and Nuclear Waste in Archipelagic Taiwan *Laurence Bashford, Columbia University*

Turning The Mine Upside Down: The Underground Storage Of Toxic Waste In France *Lisa Claussmann, Université Paris Cité, CERMES3*

Discussant:

***Abby Kinchy***, Rensselaer Polytechnic Institute

Session Organizer:

***Caroline Celeste White-Nockleby***, Massachusetts Institute for Technology (MIT)

## 348. International Scientific Collaborations: New Knowledge Infrastructures II

11:00 to 1:00 pm

Building D: D006

Participants:

Cooperação sul-sul como horizonte para a internacionalização: contribuições para a educação científica e tecnológica. *Patricia Giraldi, Universidade Federal de Santa Catarina; Mariana Brasil Ramos, Universidade Federal de Santa Catarina; Irlan Von Linsingen; Suzani Cassiani, Universidade Federal de Santa Catarina*

Elites da Meteorologia e das Mudanças Climáticas – afinidades eletivas *Thales Novaes Andrade, Federal University of São Carlos (UFSCAR, Brazil); Paulo Sobral Escada, National Institute of Space Research - INPE*

La cooperación científica internacional ¿resuelve o crea nuevos problemas sociales? El rol de Wildlife Conservation Society en la construcción del

# SATURDAY

pingüino de Magallanes como problema público y científico *Sosiuk Ezequiel Space Science Research Infrastructures In Situ: A new proposal for analyzing local impact Raquel Velho, Rensselaer Polytechnic Institute; Michael Gastrow, Human Sciences Research Council*

Chair:

**Simcha Jong**, Leiden University

Session Organizer:

**Richelle Boone**, Leiden University

## 349. Critical understanding of extractivism II

11:00 to 1:00 pm

Building D: D102

Participants:

Green Sacrifice Zones: The Costs of Green Extractivism and Critical Minerals  
*Ciarán Ó Briain O'Brien, UCD Centre for Sustainable Development Studies; Aparajita Banerjee, University College Dublin*

Routes of extractivism: accumulation processes and resistance practices in the case of 'Skouries' gold and copper mining site in northern Chalkidiki, Greece  
*Vasiliki Makrygianni; Konstantinos Petrakos*

Weaving the Spiderweb: Mujeres Amazónicas and the Design of Anti-Extractive Politics in Ecuador *Andrea Sempertegui, Whitman College*

Chair:

**Andrea Sempertegui**, Whitman College

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 350. Disciplines, expertise and knowledge in action II

11:00 to 1:00 pm

Building D: D105

Participants:

Hacia una historia laboral de la arqueología mexicana: De la epistemología a la economía política *Sam Holley-Kline, Florida State University*

How do undergraduate computer science students understand the societal and environmental implications of their work? *Sarah Van Wart, Northwestern University; Natalie Araujo Melo, Northwestern University; Sepehr Vakil, Northwestern University*

Manipulating the Metaphors: Anthropomorphism and Cybernetics in the Early Works of Gordon Pask *Sokion Choi, Seoul National University*

Mexico, 1980: Collaborative Networks And Epistemic Cultures For The Development Of Bacterial Molecular Genetics *Marco Ornelas-Cruces, Universidad Nacional Autónoma de México*

Translating action: narratives as hybrid forms of human-bacterial agency  
*Carolina Borges Rau Steuernagel, University of Oslo; Ida Lillehagen, University of Oslo*

Chair:

**Marco Ornelas-Cruces**, Universidad Nacional Autónoma de México

# SATURDAY

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 351. Arts, Cultures, Cultural Industries and Heritages: objects for STS I

11:00 to 1:00 pm

Building D: D205

Participants:

Equipping the lights *Dominique Vinck, University of Lausanne*

From Science to Art and Back to Science (and Technology Studies); Shifting Data and Pretty Pictures *Maxime Harvey, Université du Québec à Montréal (UQAM)*

Troubles in the Editing Cabine - Producing a DVD for a Patrimonial Event *Mylène Tanferri, Université de Lausanne*

The Divisionist Palette and Scientific Socialism *Samuel DiBella, University Of Maryland College Park; Alexandra Chipkin, Indianapolis Museum of Art*

Stabilization of human and non-human actants: exploring sound control rooms activity during rehearsals of a major live performance *Elodie Fischer, University of Fribourg*

Chair:

**Elodie Fischer**, University of Fribourg

Session Organizers:

**Mylène Tanferri**, Université de Lausanne

**Dominique Vinck**, University of Lausanne

**Tatiana Smirnova**, STS Lab, University of Lausanne

## 352. Poaching: The Promise of Multispecies Justice

11:00 to 1:00 pm

Building F: F008-F009

Presenters:

**Alex Blanchette**, Tufts University

**Maya Kovaskaya**, Chiang Mai University

**César Enrique GIRALDO HERRERA**, Leibniz Centre for Tropical Marine Research

**Jia Hui Lee**, Haverford College

**Kellen Copeland**, Oregon State

**Bastian Thomsen**, Oregon State

**Uli Beisel**, University of Bayreuth

**Liliana Riva Palacio**, Proyecto Concentrante

Chairs:

**Zsuzsanna Dominika Ihar**, University of Cambridge

**Alyssa Paredes**, University of Michigan - Ann Arbor

**Joshua Evans**, Center for Biosustainability, Technical University of Denmark

Session Organizers:

**Eben Kirksey**, Deakin University

**Sophie Marie Helene Chao**, The University of Sydney

## 353. 4S Business Meeting

11:00 to 1:00 pm

# SATURDAY

*Building H: H113-H116*

Session Organizer:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

## **354. Asamblea General ESOCITE 2022**

*11:00 to 1:00 pm*

*Building H: Manuel Acévez Auditorium*

Chair:

**Eduardo Robles Belmont**, UNAM - México

Session Organizer:

**Ronald Cancino**, Universidad de la Frontera

## **355. STS Structures & Agencies: Scholarship in Curricular Practice II**

*2:00 to 4:00 pm*

*Building A: A004*

Participants:

STS Postures: Reuniting the Mind and Body of STEM Students *Nicole Mogul*, --  
*Please Select--; David Tomblin, University of Maryland, College Park*

Centering Students in Pedagogical Research *Shannon N. Conley, James Madison University; Sydney Forman, James Madison University; Meghan Gelerman, James Madison University; Jessica McMasters, James Madison University; Charlie Thomas, James Madison University; Reggie Wilcox, James Madison University; Emily York, James Madison University*

Review and Reflections on Actor-Network Theory and Engineering Education  
*Renato Bezerra Rodrigues, University of Manitoba; Kari Zacharias, Jillian Seniuk Cicek, University of Manitoba*

Structuring Collaborative Writing Assignments to Develop Critical Agency in STEM: Reflections on Critical STS Pedagogy in a First-Year Writing Course  
*Marisa R Brandt, Michigan State University; June Oh, Michigan State University*  
"Integrated" engineering as a tool for innovative educational reform and STS praxis *Marie Stettler Kleine, Colorado School Of Mines; Elizabeth A. Reddy, Colorado School Of Mines; Dean Nieuwsma, Colorado School of Mines*

Discussant:

**Sarah Rebolloso McCullough**, Feminist Research Institute, UC Davis

Chair:

**Kari Zacharias**

Session Organizer:

**Elizabeth A. Reddy**, Colorado School Of Mines

## **356. Play in Computational Modeling II: Performance, Process, and Model Space**

*2:00 to 4:00 pm*

*Building A: A008*

Participants:

How Space Thinks: Modeling and the Play of Positions *Samuel Pizel, University of California, Davis; Katherine Buse, The University Of Chicago*

Simulated Worlds: Games, AI, and Microworlds Research *Evan Donahue*

## SATURDAY

Playing Therapist: Originating Natural Language Processing Models as Play  
*Jamie Steele, Rensselaer Polytechnic Institute*

Modeling as Theater: Inhabiting inference in cognitive science *Sarah Klein, University of Waterloo*

Chair:

**Samuel Pizelo**, University of California, Davis

Session Organizers:

**Katherine Buse**, The University Of Chicago

**Samuel Pizelo**, University of California, Davis

### **357. Epistemic injustice, social practices of oppression and privilege in the invisibility of the production of knowledge in women III**

2:00 to 4:00 pm

Building A: A012

Participants:

Towards equity and epistemic justice in the recognition of women in the production of knowledge *Xenia Anaid Rueda, UNAM*

Un análisis feminista del data sprint para el digital research. Continuidades y discontinuidades de la violencia epistemológica *María Concepción Castillo-González, Tecnológico de Monterrey; Dorisimilda Flores-Marquez, Universidad La Salle Bajío; GABRIELA ELISA SUED, UNAM*

"You Are Not Qualified – Leave It to Us": Obstetric Violence as Testimonial Injustice *Sara Cohen Shabot, University of Haifa, Israel*

Towards an Ecology of Critical Epistemologies *Camila Ramírez-Araujo; Eric Tolson-Solis, UMA*

Vera Yamuni: su aportación al estudio del pensamiento en lengua española  
*Miriam Díaz, FES Acatlán UNAM*

Chair:

**Sara Cohen Shabot**, University of Haifa, Israel

Session Organizer:

**GABRIELA ELISA SUED**, UNAM

### **358. Emergency Management: An STS Underdog or a Hidden -Theoretical- Gem?**

2:00 to 4:00 pm

Building A: A102

Presenters:

**Michael Rabi**, The Hebrew University of Jerusalem

**Natalia Nino-Machado**, Universidad de los Andes, Bogotá, Colombia

Chair:

**Rodolfo Andres Hernandez**, Texas Tech University

Session Organizer:

**Rodolfo Andres Hernandez**, Texas Tech University

### **359. Relations Between STS and Education for Sustainable Development (ESD) III**

2:00 to 4:00 pm

Building A: A104

## SATURDAY

### Participants:

Projetos de hortas comunitárias em escolas: uma proposta interdisciplinar de educação para sustentabilidade *Elisa Tkatschuk; ELOY FASSI CASAGRANDE JR, UTFPR*

Projeto VAMOS\_Erasmus+ Europa e América Latina: Intercâmbio Internacional Virtual, Educação e Sustentabilidade *ELOY FASSI CASAGRANDE JR, UTFPR; Fernanda Paes de Barros Gomide, UTFPR; Libia Patricia Peralta Agudelo, UTFPR*

Revisão Bibliográfica: Tecnologia, Resíduos Têxteis e Educação para a Sustentabilidade *Elisangela Christiane de Pinheiro Leite Munaretto, UTFPR Universidade Federal Tecnológica Federal do Paraná; FRANCIANE Cristina da SILVA, Universidad Tecnológica Federal del Paraná (UTFPR); Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná*

Segurança Alimentar no Brasil e Pandemia da Covid-19 *Danielle Virginio Lisboa Ramires, Univervidade Tecnológica Federal do Paraná; karine delmonego, Universidad Tecnológica Federal del Paraná (UTFPR); Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná*

Sistemas sociotécnicos de erva-mate no estado do Paraná (Brasil) e educação para o desenvolvimento sustentável *Ricardo Gomes Luiz, Universidade Tecnológica Federal do Paraná - UTFPR; Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná*

### Chair:

**Maclovia Corrêa da Silva**, Universidade Tecnológica Federal do Paraná

### Session Organizer:

**Libia Patricia Peralta Agudelo**, UTFPR

### **360. Provincializing Mathematics / Provincializando las/a Matemática/s I**

*2:00 to 4:00 pm*

*Building A: A106*

### Participants:

Provincializing Numeration: Caramuel and Indigenous Mathematical Knowledge  
*Maria Amuchastegui, York University, Canada*

Proportion, Analogy and Mixture: Unearthing Mathematical Measurement practices  
*Nathalie Sinclair, Simon Fraser University; Elizabeth de Freitas, Adelphi University*

Endogenous Mathematics and its Implications for Innovation among the Yoruba of West Africa  
*Kasso Okoudjou, Tufts University; Ogundiran Soumonni, University of the Witwatersrand, South Africa*

### Chair:

**Kasso Okoudjou**, Tufts University

### Session Organizer:

**Michael J Barany**, University of Edinburgh

### **361. Dialogues on Interdisciplinarity and Climate Change: experiences from Brazil**

*2:00 to 4:00 pm*

*Building A: A110*

# SATURDAY

Presenters:

**Marko Alves Monteiro**, State University of Campinas - UNICAMP

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

Chair:

**Renzo Taddei**, Federal University of Sao Paulo

Session Organizer:

**Renzo Taddei**, Federal University of Sao Paulo

## 362. Reconfigurations in Education Research: EDU-STS as an Emerging Field III.

**Reconfiguraciones en la investigación educativa: EDU-STS como campo emergente III**

2:00 to 4:00 pm

Building A: A112

Participants:

Hacia la Reconfiguración del Imaginario en Torno a la Incertidumbre en el Aprendizaje Automático Supervisado *Marisol Flores-Garrido, Universidad Nacional Autónoma de México; Luis Miguel García-Velázquez, ENES Morelia, UNAM*

Automated Conceptualisations of Academic Productivity: Digital Surveillance-Assistance in higher education *Iuke heemsbergen, Deakin University; Radhika Gorur, Deakin University; Shiri Krebs, Deakin University*

Innovation Imaginaries: Infrastructures of Reform in an Urban Public High School *Phil Nichols, Baylor University*

Prototyping the Future, Prototyping Citizens – the Danish Trial of ‘Technology Comprehension’ in Public School *Simy Kaur Gahoonia, IT University of Copenhagen; Christopher Gad, IT-University of Copenhagen*

The Fiction of Numbers: How reading is made a public and didactic problem *Elin Sundström Sjödin, Mälardalen University, Sweden; Daniel Pettersson, Högskolan i Gävle; Magnus Persson, Malmö University*

Chair:

**Cristina Alarcón López**, University of Vienna

Session Organizer:

**Lesley Gourlay**, UCL INSTITUTE OF EDUCATION

## 363. Scales and Styles of Technical Systems I: Insights from Histories of Infrastructure

2:00 to 4:00 pm

Building A: A204

Participants:

Thinking Colonial Infrastructure through Thomas Hughes: Insights from Sanitary Engineering in Colonial India *Viswanathan Venkataraman, King's College London*

Uncertain Infrastructure: Considering Style and Aesthetics of Weather Modification in the People's Republic of China *Jelena Große-Bley, IRI THESys, Humboldt-Universität zu Berlin–Max-Planck-Institut für Wissenschaftsgeschichte*

# SATURDAY

The Scale of Technology and the State: Small-Scale Water Supply in Colombia  
1940-2010 *Edisson Aguilar, King's College London*

Chair:

**Edisson Aguilar**, King's College London

Session Organizer:

**Francisca Valenzuela**, King's College London

## 364. Sonido street technologies and culture: Workshop

2:00 to 4:00 pm

Building C: Aula Magna C201

Session Organizer:

**Yael Gerson**, Goldsmiths, University of London

## 365. Social innovation: Forms, evidence, cases and perspectives

2:00 to 4:00 pm

Building B: B103

Participants:

Examples of social innovation in history *José Francisco Romero-Muñoz, Benemérita Universidad Autónoma de Puebla - Dirección de Innovación y Transferencia de Conocimiento; Wietse de Vries, Benemérita Universidad Autónoma de Puebla*

Decolonizing Entrepreneurship & Social Innovation: intercultural friendships promoting entrepreneurial wise practices, Indigenous resurgence, and social change in Canada. *Marisol Campos-Navarrete, Sheridan College; Besma Soltan, Sheridan College*

Una exploración del panorama mexicano de la innovación frugal *Ms M. Valeria Ramirez, Université Gustave Eiffel - LISIS - CONACYT; Raphaël Stephens, UMR LISIS - Université Gustave Eiffel*

Chair:

**José Francisco Romero-Muñoz**, Benemérita Universidad Autónoma de Puebla - Dirección de Innovación y Transferencia de Conocimiento

Session Organizer:

**José Francisco Romero-Muñoz**, Benemérita Universidad Autónoma de Puebla - Dirección de Innovación y Transferencia de Conocimiento

## 366. Social robots and care: promises and pitfalls I

2:00 to 4:00 pm

Building B: B105

Participants:

Reconfiguring Autonomy? Robotics And Care In A German Research Initiative  
*Maximilian Braun, Technische Universität München; Svenja Breuer, Department of Science, Technology and Society (STS), Technical University of Munich*

'Care' as a Sociotechnical Ecosystem: Stakeholder Imaginaries of Robots in Health-Social Care *Stevienna de Saille, University of Sheffield; David Cameron, University of Sheffield*

Epistemically-Enabled Care: Insights from Nursing Theory on the Limitations of Care Robotics *Katie Trainum, The University of Texas at Austin; Elliott Hauser,*

# SATURDAY

*The University of Texas at Austin; Bo Xie, Univesity of Texas at Austin  
Artificial Affection, Real Love: Questions in Human-robot intimacy Beatrys Rodrigues, Cornell University*

*And Say the Robotic Cat Responded? On the Use of Robotic Animals in Dementia Care David Redmalm, Mälardalen University; Clara Iversen, Centre for Social Work, Department of Sociology, Uppsala University, Sweden; Marcus Persson, Department of Behavioural Sciences and Learning (IBL), Division of Education and Sociology, Linköping University, Sweden*

Chair:

**Boris Hauray**, Inserm

Session Organizers:

**Boris Hauray**, Inserm

**Sébastien Dalgalarrodo**, EHESS/CNRS

**NAONORI KODATE**, University College Dublin

**Martin Chevallier**, EHESS - Centre d'Etude des Mouvements Sociaux

## 367. STS Engagements with Critical Mineral Studies I

2:00 to 4:00 pm

Building B: B108

Participants:

Automated Extraction, Computational Ecologies, and Augmented Reality in the Digital Mine *Lily House-Peters, California State University, Long Beach*

Following The Research: Extractivist Histories of Marine Science in Deep Seabed Mining *Edmund Molder, University of Wisconsin–Madison*

Human Resources, Revisited: Community Perspectives on Clean-Tech Transitions from a Rare Earth Elements Exploration Site in Wyoming *Tom Ozden-Schilling, Johns Hopkins University*

When technology goes public: The technopolitical meanderings of lithium extraction in Bolivia *Jonas Köppel, The Graduate Institute Geneva*

Pointing fingers in the half-light: Quantifying mercury use in artisanal gold mining and the politics of environmental blame and virtue *Sebastian Rubiano-Galvis, University of San Francisco*

Chair:

**Jonas Köppel**, The Graduate Institute Geneva

Session Organizer:

**Kirk Jalbert**, Arizona State University

## 368. Towards a Terrestrial Internet: Rethinking Digital Networks From the Ground Up

2:00 to 4:00 pm

Building B: B111

Participants:

Hanging on a Wire: Utility Pole Maintenance in Southeast Louisiana *Jen Liu, Cornell University*

Terrestrial politics and body-territory: two concepts to make sense of digital colonialism in Latin America *Marcela Suárez, Freie Universität Berlin; Márcia*

# SATURDAY

*Tait, Laboratório de Tecnologias e Transformações Sociais/DPCT*

Digitality, Wilderness, and the Politics of Land: Building the Internet in Glacier National Park *Sam P. Kellogg, New York University*

What's behind "green" computing? Re-imagining and co-creating digital infrastructures *Janna Frenzel, Concordia University, Montreal, Canada*

Discussant:

**Sebastián Lehuedé**, University of Cambridge

Chair:

**Marcela Suárez**, Freie Universität Berlin

Session Organizer:

**Sebastián Lehuedé**, University of Cambridge

## 369. Critical Studies of Innovation III

2:00 to 4:00 pm

Building C: C010

Participants:

Del Laboratorio al Mercado: Secreto e Incertidumbre en Busca de la Innovación  
*Carlos Franco, Universidad Nacional De Colombia*

Innovation in global development: endogenous vs exogenous theories

*Christopher Joseph Barton, School for Future of Innovation in Society, Arizona State University*

Dark Innovation, Scientific Instruments, and Neoliberal Blind Spots *Ryan T MacNeil, Acadia University*

Chasing Something Beautiful: Conceptions of Innovation in Canadian Provincial and Federal Politics *M.R. Sauter, University of Maryland, College Park*

Session Organizer:

**Tiago Brandão**, NOVA FCSH

## 370. With Substance: Rethinking Drugs, Technofixes, and the (Geo)Politics of Harm

I

2:00 to 4:00 pm

Building C: C108

Participants:

Done with Black Opium and on to White Opium': morphine, cocaine and the lives of addicts in colonial Vietnam *Claire Ellen Edington, University of California - San Diego*

Spaces of Care and Sociality for Women Who Use Drugs: Futurities and lessons from Vancouver and Paris *Céline Debaulieu, TRIBU; Lauren Dixon, LATTS; Melora Koepke, SFU*

(Non) Dead POET's Society: Chemical Improvisations in Post-Overdose Meter *Naomi Schoenfeld, UCSF*

What Does the Forest Say? A Cyborg Inversion Story. *Craig Rothstein, Department of Science and Technology Studies, Rensselaer Polytechnic Institute*

What is a Drug? Experiences of Users of Legal and Illegal Psychotropic Drugs

# SATURDAY

*Nancy Beatriz Calisto, Academic, University of the Republic (Uruguay); Virginia Rodríguez Otero, UDELAR; Andrea Clara Bielli, Universidad de la República*

Chair:

**Aster Parrott**, Cortland Area Communities That Care

Session Organizer:

**Lisa Lehner**, Cornell University

## **371. Medicine Man. Reconfigurations of Masculinity in times of increased Medicalization**

2:00 to 4:00 pm

Building C: C110

Participants:

Medicine Man: Media assemblages of Medicalized Masculinities *Karen Hvidtfeldt, University of Southern Denmark, Department for the Study of Culture; Michael Nebeling Petersen, University of Copenhagen, Faculty of Humanities*

Doctorhood and masculinity: Normative, performative, and phenomenological similarities *Marcia Villanueva Lozano, UNAM*

Start-ups, shy guys, and drooping cacti: recycling and reconstructing masculinity in direct-to-consumer telepharmacies *Ben Curran Wills*

The Looping Effect of Paraphilia and its Materiality: On Chemical Castration of Sex Criminals in Korea *Jae Ryoung Koo, Seoul National University*

The Paternal Body in Sperm Epigenetics: Fertility, Heredity and Masculinity in Flux *Jessica Tatchell, King's College London*

Chair:

**Michael Nebeling Petersen**, University of Copenhagen, Faculty of Humanities

Session Organizer:

**Karen Hvidtfeldt**, University of Southern Denmark, Department for the Study of Culture

## **372. Speculation in our eyes: fictions for thinking about STS I**

2:00 to 4:00 pm

Building C: C204

Participants:

Una Mirada desde "La Caverna" de Saramago: contribuciones a la educación científica y tecnológica. *Patricia Giraldo, Universidade Federal de Santa Catarina; Mariana Brasil Ramos, Universidade Federal de Santa Catarina*

A Journey Into Antarctic Space: Reading The Speculative Writings Of Polar Researchers *Spencer Adams, University of California at Berkeley*

Medical imaginaries and the future horizons of consciousness physiology in the work of Stanisław Lem *CARLOS SIERRA, University of Antioquia & Institute of Science, Biotechnology and Innovation in Health (IDCBIS)*

The State of Glitch *Freyja van den boom*

Chair:

**Agustín Mercado**, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM

# SATURDAY

Session Organizers:

**Juan Felipe Guevara-Aristizabal**, Universidad Autónoma Metropolitana-Cuajimalpa, México

**Agustín Mercado**, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM

## 373. Storage: Infrastructures, Politics, Imaginaries III

2:00 to 4:00 pm

Building D: D005

Participants:

"Exporting renewable energy to the world": Green Hydrogen and the Generation of Renewable Assets in the Atacama Desert, Chile *Caroline Celeste White-Nockleby, Massachusetts Institute for Technology (MIT)*

Everyday storage of water and electricity in Nairobi: Reimagining infrastructures through storage artefacts and practices *Moritz Kasper, TU Dortmund University*

On the Container Technology of Electricity: Sparks, Shocks, and the Glass Interface *Yijun Sun, University of Massachusetts Amherst*

Storing the Abyssal Pacific Seabed: Exploration Areas And Anticipatory Orientations In The Clarion Clipperton Zone *Jonathan Galka*

Where Data Lives: Data Storage as Place-Making Politics in Iceland *Alix Johnson, Macalester College*

Discussant:

**Stefan Helmreich**, Massachusetts Institute of Technology (MIT)

Session Organizer:

**Caroline Celeste White-Nockleby**, Massachusetts Institute for Technology (MIT)

## 374. Repair and Maintenance of Media Technologies: A Hybrid Approach

2:00 to 4:00 pm

Building D: D008

Discussant:

**Alexander John Daniel Mirowski**, Catalent

Chair:

**Marina Fontolan**, University of Campinas (Unicamp), Department of Science and Technology Policy

Session Organizer:

**Logan Brown**, Indiana University

## 375. Indigenous Knowledge and STS

2:00 to 4:00 pm

Building D: D102

Participants:

Decolonize biopolitics? The conundrum of adapting epigenetic theory to indigenous people's alcohol use in Taiwan *Yi-Cheng Wu, Hsinchu Mackay Memorial Hospital*

Intercultural health care, resource extraction, and the socio-ecological

# SATURDAY

indeterminants of health in Wajmapu/Southern Chile *Randall C Burson, Department of Anthropology, The University of Pennsylvania*

Conocimiento indígena e información digital de secuencias digitales (IDS) en México, ¿El desarrollo de IDS puede generar apropiación del conocimiento indígena? *Arcelia González, Universidad Autónoma Metropolitana Azcapotzalco*

Chair:

**Randall C Burson**, Department of Anthropology, The University of Pennsylvania  
Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 376. Disciplines, expertise and knowledge in action III

2:00 to 4:00 pm

Building D: D105

Participants:

Competencias disciplinares como construcción de nichos *Agustín Mauro*

Construction and enactment of interdisciplinarity in liberal arts and science education: A grounded theory case study *Xin Ming, University of Twente (the Netherlands); Miles MacLeod, University of Twente; Jan van der Veen, Eindhoven University of Technology*

Electronic Engineers in Mexico: From Printed Circuit Board Designers to Welders and Creative Materials *Alba Rosas Flores*

Role of Indian scientists *Raghvendra Singh Yadav*

Chair:

**Raghvendra Singh Yadav**

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 377. Government of / as / by App(s) II: State-Capital Relations

2:00 to 4:00 pm

Building D: D202

Participants:

Imagined Computing: Public Digital Infrastructures and Techno-Entrepreneurship in India *Sandeep Mertia, New York University*

India Stack and Micro-loan app scams: Financial Inclusion with Alternative Data Footprints *Rahul Mukherjee, University of Pennsylvania*

(Software) Development as Modernity *Michel Wahome, UCL*

The Politics of "Platforms/pingta": How to Govern Social Media as Speech Institutions *Angela Xiao Wu, New York University*

Chair:

**Tong Lam**, University of Toronto

Session Organizers:

**Sandeep Mertia**, New York University

**Nafis Aziz Hasan**, The University of Pennsylvania

**Aakash Solanki**, The University of Toronto

# SATURDAY

## 378. Arts, Cultures, Cultural Industries and Heritages: objects for STS II

2:00 to 4:00 pm

Building D: D205

Participants:

Archival Futures: Directions for Archival Interfaces in Virtual Reality *Elina Lex, Concordia University (Montreal, CANADA)*

"Building Peace in the Minds of Men": UNESCO, The World Digital Library, and the Politics of World Heritage *Caroline Mason, Rensselaer Polytechnic Institute - STS*

Performing Recording Technology: The Production and Construction of Sound Artefacts *Qiushi Xu, Southern University of Science and Technology (SUSTech)*

The Noise/Music at the Edge of Western Extractivism *Ezra Teboul, CIRMMT, McGill University*

Chair:

**Dominique Vinck**, University of Lausanne

Session Organizers:

**Mylène Tanferri**, Université de Lausanne

**Tatiana Smirnova**, STS Lab, University of Lausanne

**Fischer Elodie**, UNIL

**Dominique Vinck**, University of Lausanne

## 379. La caza furtiva: La promesa de la justicia multiespecies

2:00 to 4:00 pm

Building F: F008-F009

Presenters:

**Joshua Evans**, Center for Biosustainability, Technical University of Denmark

**Liliana Riva Palacio**, Proyecto Concentrante

Chairs:

**Julietta Aranda**, e-flux

**Steven Gonzalez**, MIT

Session Organizers:

**Sophie Marie Helene Chao**, The University of Sydney

**Eben Kirksey**, Deakin University

## 380. Justice in Flux: The Moral Challenges of Water and Energy Infrastructures

4:30 to 6:30 pm

Building A: A008

Participants:

Exploring moral issues on Direct Potable Reuse. A water justice perspective.  
*Karen Moesker, PhD candidate*

Revisiting energy justice: from wicked problems to normative uncertainties  
*Nynke van Uffelen, TU Delft; Udo Pesch, Delft University of Technology*

Technical Term or Environmental Injustice Tool? Power asymmetries and the Concept of "Ecological Flow"  
*Renato Ponciano, Universidad de San Carlos de Guatemala*

Chair:

# SATURDAY

**Renato Ponciano**, Universidad de San Carlos de Guatemala

Session Organizer:

**Karen Moesker**, PhD candidate

## 381. Fermentation in the age of the Anthropocene

4:30 to 6:30 pm

Building A: A012

Participants:

Conspicience: Knowing Together by Tasting Together, Within and Across Species *Joshua Evans, Center for Biosustainability, Technical University of Denmark*

Fermentation boom and bioeconomy *Aya Hirata Kimura, University of Hawaii*  
When Native American Fermentation met European Biocapitalism *Justin Linds, PhD Candidate*

The Food Without the Organism: The Problem(s) With Using Microbes To Bypass Macrobes In Precision Fermentation *Maya Hey, Colorado State University*

Chair:

**Aya Hirata Kimura**, University of Hawaii

Session Organizer:

**Aya Hirata Kimura**, University of Hawaii

## 382. Managing Editor Roundtable for Open Access Journals

4:30 to 6:30 pm

Building A: A104

Chair:

**Barkha Satish Kagliwal**, Cornell University, Department of S&TS

Session Organizers:

**Amanda Windle**, Managing Director, 4S | Managing Editor, ESTS

**Angela Okune**, University of California - Irvine

**Misria Shaik Ali**, Rensselaer Polytechnic Institute

Participants:

ESTS Amanda Windle, Managing Editor, United Kingdom

TAPUYA Luisa Fernanda Grijalva Maza, Managing Editor, Mexico

REDES Lucía Ana Romero, Editor, Argentina

CATALYST Lauren Savit, Michelle Pfeifer, Aditya Anupam, Managing Editors  
CA, Kate Herman, Managing Editor United States

## 383. Provincializing Mathematics / Provincializando las/a Matemática/s II

4:30 to 6:30 pm

Building A: A106

Participants:

Os dominantes do campo da matemática: problematizando a formação de professores em universidades públicas do Brasil *Denise Vilela, Universidade Federal de São Carlos - UFSCar*

"The Rules Are Fixed, and One Must Survive": Mathematicians' Accounts of Their Field in Chile *Fernando Valenzuela, Universidad Andres Bello; Mariel*

# SATURDAY

Saez; Maria Isabel Cortez, Pontificia Universidad Católica de Chile

Mosaic of the Senate of the World Mathematical Societies: A Preliminary Study  
Based on Qualitative Data Analysis Zheng Li, National Academy of Innovation  
Strategy, CAST; Lei Huang, The Chinese Mathematical Society; Xiaohuan Wang,  
Academy of Mathematical and Systems Science, Chinese Academy of  
Sciences; Jing Zhao, Academy of Mathematical and Systems Science, Chinese  
Academy of Sciences; Di Liu, College of Metropolitan Transportation, Beijing  
University of Technology

Heterolingual Translation in the Theories and Institutions of Modern  
Mathematics Michael J Barany, University of Edinburgh

Chair:

**Zheng Li**, National Academy of Innovation Strategy, CAST

Session Organizer:

**Michael J Barany**, University of Edinburgh

## 384. Living Book Encounters: Experiments in Rewriting

4:30 to 6:30 pm

Building A: A110

Participants:

Talleres Electrónicos Rebekka Kiesewetter, Centre for Postdigital Cultures,  
Coventry University, UK

Combinatorial Books: Gathering Flowers Janneke Adema, Coventry University

Re-writing the Unthinkable: Gathering Flowers in the Nuclear Age Gabriela  
Mendez Cota, Universidad Iberoamericana Ciudad de Mexico

Writing with (ro)bots Mayra Roffe Gutman; Juan Pablo Anaya, 17, instituto de  
estudios críticos

Chair:

**Janneke Adema**, Coventry University

Session Organizer:

**Janneke Adema**, Coventry University

## 385. Making a difference in the analysis of global inequalities: classification, materiality, practice

4:30 to 6:30 pm

Building A: A112

Participants:

Breeding white Karakul sheep: analysing inequalities of breeding science of a  
no-longer-cash crop Eleanor Schaumann, University of Bayreuth

„I eat a cauliflower“ – how relationalities of food challenge categories of  
citizenship and migration Sabine Netz, University of Bayreuth

Climate Change, Risk, and “Inclusion” at the Global Margins Amiel Bize, Cornell  
University

Discussants:

**Sarah Blacker**, York University

**Thiago Pinto Barbosa**, Universität Bayreuth / Vrije Universiteit Amsterdam

# SATURDAY

Chair:

**Katharina Schramm**

Session Organizer:

**Thiago Pinto Barbosa**, Universität Bayreuth / Vrije Universiteit Amsterdam

## 386. Scales and Styles of Technical Systems II: Insights from Histories of Infrastructure

4:30 to 6:30 pm

Building A: A204

Participants:

Coastal Telegraph: Seaside Stations and Submerged Cables *Sebastian Rose, Department of History, Greenwich University*

From Millstones to Roller Mills: A History of the Development of Wheat Processing Infrastructure in France, 1860-1914 *Maxime Guesnon, Centre Alexandre Koyré, École de Haute Etudes en Sciences Sociales*

Reconceptualizing Postcolonial Infrastructural Development through the Mobilisation of the Masses: The case of India *Sandip Kana, Department of History, King's College London*

Infrastructure Reconfigured: Engineering Expertise and the National Telegraphic System in Nineteenth-Century Chile *Francisca Valenzuela, King's College London*

Debt and Credit: Revisiting Housing and Urban Infrastructures History in Colombia *Jeimy Alejandra Arias Castaño, Department of Geography, Montreal University*

Chair:

**Jeimy Alejandra Arias Castaño**, Department of Geography, Montreal University

Session Organizer:

**Viswanathan Venkataraman**, King's College London

## 387. Social robots and care: promises and pitfalls II

4:30 to 6:30 pm

Building B: B105

Participants:

Care Robotics and Social Clean Room (SCR): On the Nature and Limitations of Participatory Technology Development *Hironori Matsuzaki, University of Oldenburg*

Robot Drama. Investigating frictions between promise and demonstration in care robotics *Benjamin Lipp, Cornell University*

Staging Paro: The Socio-Material and Political Conditions of a Care Robot's Testing in Geriatrics *Martin Chevallier, EHESS - Centre d'Etude des Mouvements Sociaux*

All Play and No Work? Analyzing Sociotechnical Sociality in Robotics Labs  
*Emilie Grybos, Annenberg School for Communication, University of Pennsylvania; Jessa Lingel, University of Pennsylvania, Annenberg School for Communication; Daniel E. Koditschek, School of Engineering and Applied Science, University of Pennsylvania*

# SATURDAY

The Entwinement Of Policy, Design And Care Scripts – Providing Alternative Choice-Dependency Situations With Care Robotics *Niels Christian Nickelsen, Aarhus University*

Discussant:

**James Wright**, The Alan Turing Institute

Chair:

**NAONORI KODATE**, University College Dublin

Session Organizers:

**Boris Hauray**, Inserm

**NAONORI KODATE**, University College Dublin

**Sébastien Dalgalarondo**, EHESS/CNRS

**Martin Chevalier**, EHESS - Centre d'Etude des Mouvements Sociaux

## 388. STS Engagements with Critical Mineral Studies II

4:30 to 6:30 pm

Building B: B108

Participants:

Invoking the Periodic Table: Lithium's entanglements and arguments from scalar constraints *Joshua DiCaglio, Texas A&M*

Lithium Futures in Chile, Argentina, and the United States *Javiera Barandiaran, University of California, Santa Barbara*

Materiality Across the Periodic Table: A History of US Materials Policy *Julia Byeon, Princeton University*

The Inverted Minescape of Critical Minerality *Alexander Jenseth, Rensselaer Polytechnic Institute - STS*

The Limits and Possibilities of "Extractive Recovery": Reuniting Community, Recuperating Ecology and Reconfiguring Energy *James J. A. Blair, California State Polytechnic University, Pomona*

Chair:

**James J. A. Blair**, California State Polytechnic University, Pomona

Session Organizer:

**Kirk Jalbert**, Arizona State University

## 389. With Substance: Rethinking Drugs, Technofixes, and the (Geo)Politics of Harm II

4:30 to 6:30 pm

Building C: C108

Participants:

Organized Knowledge Production by People who Use Drugs: Ethical Collaborative Research During the Overdose Epidemic *Sarah Brothers, Pennsylvania State University*

Chemical Kin: The Political Lives of Drugs, Placentas, and Neurons *Danielle Kabella, ASU School of the Future of Innovation in Society*

Whiteout: How Racial Capitalism Changed the Color of Opioids in America *Helena Hansen, University of California Los Angeles (UCLA)*

Session Organizers:

# SATURDAY

**Aster Parrott**, Cortland Area Communities That Care  
**Lisa Lehner**, Cornell University

## 390. Speculation in our eyes: fictions for thinking about STS II

4:30 to 6:30 pm

Building C: C204

Participants:

Navegando hacia el Marino/Oceanopunk *Juan David Reina Rozo*

What We Can Learn From Computing, Ethics, and Society Students' Imagined Techno-Futures *Natalie Araujo Melo, Northwestern University; Sarah Van Wart, Northwestern University; Sepehr Vakil, Northwestern University*

TaínoFuturism: Speculation as Decolonial Justice and the Promise of Fiction as Method *Steven Gonzalez, MIT*

Futures fiction: Collaborations with the unknown *Horst Rachel, The University of British Columbia*

Chair:

**Juan Felipe Guevara-Aristizabal**, Universidad Autónoma Metropolitana-Cuajimalpa, México

Session Organizers:

**Juan Felipe Guevara-Aristizabal**, Universidad Autónoma Metropolitana-Cuajimalpa, México

**Agustín Mercado**, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM

## 391. Author Meets Critics with David Nemer

4:30 to 6:30 pm

Building C: C210

Participant:

Technology of the Oppressed *David Nemer, University of Virginia*

Discussants:

**Lucy Suchman**, Lancaster University, UK

**Ivan da Costa Marques**, Universidade Federal do Rio de Janeiro

**Steven Jackson**, Cornell University

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

Chair:

**Melissa Adler**, Western University

Session Organizer:

**Melissa Adler**, Western University

## 392. Responsible Research and Innovation and Animal-based Food Systems: From the Lab to the Meat Production Unit

4:30 to 6:30 pm

Building D: D008

Participants:

Recognise, Replace, Refine: 3Rs for sustainable meat-use as guides for Responsible Research and Innovation *Sophia Efstathiou, Norwegian University*

# SATURDAY

of Science & Technology (NTNU)

Scientific Intermediation in the Emergence and Implementation of Animal Welfare Standards: The Case of the European Ban on Sow Stalls *Sebastian Billows, INRAE, IRISSO; Marc-Olivier Déplaude, French National Institute for Agricultural research*

Placing values in the design of meat production in Greece: Tracking material entanglements, path dependencies and responsibility *Stathis Arapostathis, National and Kapodistrian University of Athens*

Chair:

**Stathis Arapostathis**, National and Kapodistrian University of Athens

Session Organizer:

**Stathis Arapostathis**, National and Kapodistrian University of Athens

## 393. Gender and Labour

4:30 to 6:30 pm

Building D: D102

Participants:

Female Game Companions in China: The Agency of Female Affect Labor in the Platforms and Patriarchal Hierarchy *Nansong Zhou, New York University*

Injusticias de género en ciencia. Estado de la cuestión y propuesta conceptual  
*Sacha Victoria Lione, Instituto de Humanidades y Ciencias Sociales del Litoral (IHUCSO UNL-CONICET)*

Mujeres Y Trabajo Informático. Repensado Barreras De Género Y Oportunidades En La Industria Del Software Argentina *Martina Lassalle, Centro de Ciencia, Tecnología y Sociedad Universidad Maimonides*

Chair:

**Sacha Victoria Lione**, Instituto de Humanidades y Ciencias Sociales del Litoral (IHUCSO UNL-CONICET)

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 394. ICT and education

4:30 to 6:30 pm

Building D: D108

Participants:

Addressing the issues and challenges of digital technology in the classroom: the case of two interdisciplinary seminars at the HEP Vaud *Julien Bugmann, Haute école pédagogique de Vaud; Heidi Gautschi, Haute école pédagogique de Vaud*

Incorrectly CORECTLY: Computational Thinking with LatinX Youth in Rural California *Rouhollah Aghasaleh, California State Polytechnic University, Humboldt; Haydee Burrola, California State Polytechnic University, Humboldt*

Tecnologias sociais lúdicas na educação para os ODS *Maria das Graças Rojas Soto, UTFPR Universidade Federal Tecnológica Federal do Paraná; Maclovia Corrêa da Silva, Universidade Tecnológica Federal do Paraná*

Tecnologías en la práctica docente y la extensión universitaria *Maria Sara De*

# SATURDAY

*Lima Dias, Universidad Tecnológica Federal del Paraná (UTFPR); Paula Caldas Brognoli*

Chair:

**Maria Sara de Lima Dias**, UTPR

Session Organizer:

**Conference Chairs**, 4S/ESOCITE

## 395. Government of / as / by App(s) III: State-Citizen Relations

4:30 to 6:30 pm

Building D: D202

Participants:

Between Meters and Apps: Formatting the "Hail" and the Transaction as Public Technology *William F Stafford Jr, University of Toronto Mississauga*

The Failed Biometric State: Afghanistan's Use of Biometric Technology in Elections *Ali Karimi, University of Pennsylvania*

The Platformization of the Public Distribution System in Delhi, India *Guillaume Dandurand, INRS*

'Tool' For Service Delivery Or Service Delivery Because Of The 'Tool'? *Sarvesh Tewari*

Chair:

**Ranjit Pal Singh**, Data & Society Research Institute

Session Organizers:

**Sandeep Mertia**, New York University

**Nafis Aziz Hasan**, The University of Pennsylvania

**Aakash Solanki**, The University of Toronto

## 396. Sonido street technologies and culture: a SST demonstration and dance

4:30 to 6:30 pm

Foro de lasArtes/Arts Forum: Foro de las Artes

Chair:

**Yael Gerson**, Goldsmiths, University of London

Session Organizer:

**Adita Chaudhury**, Goldsmiths, University of London/York University, Canada

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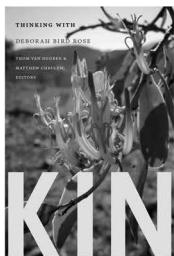
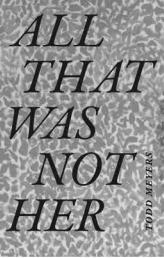
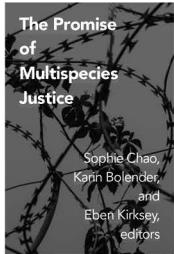
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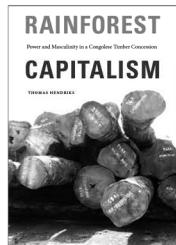
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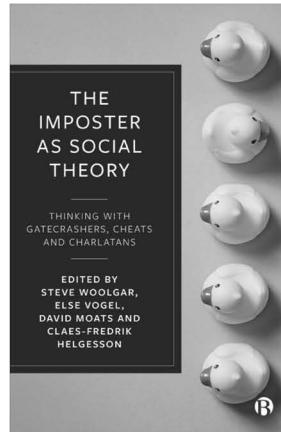
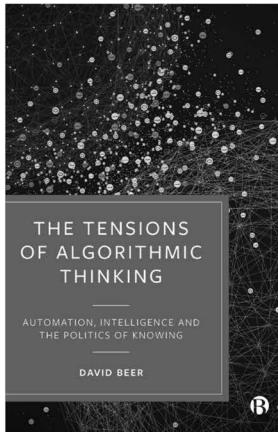
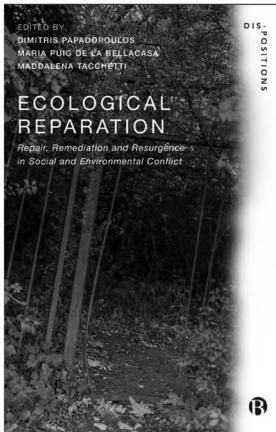
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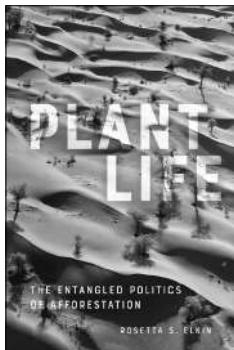


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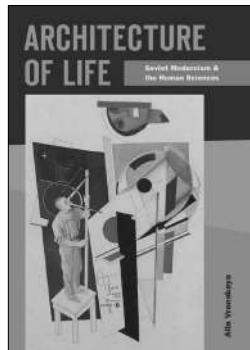
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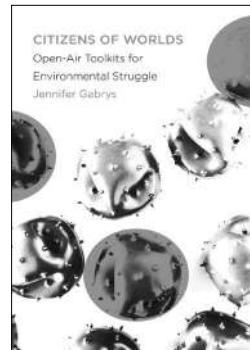
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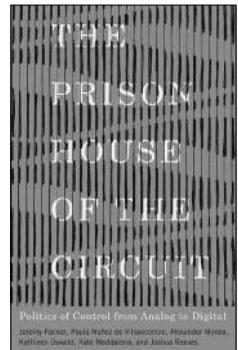
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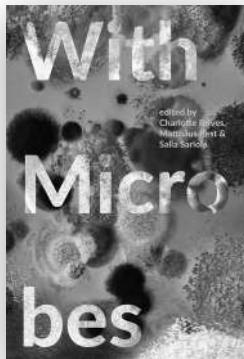


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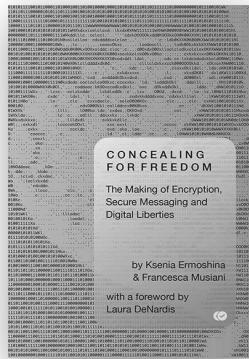
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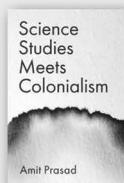


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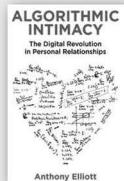
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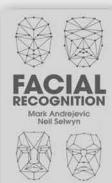


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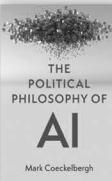
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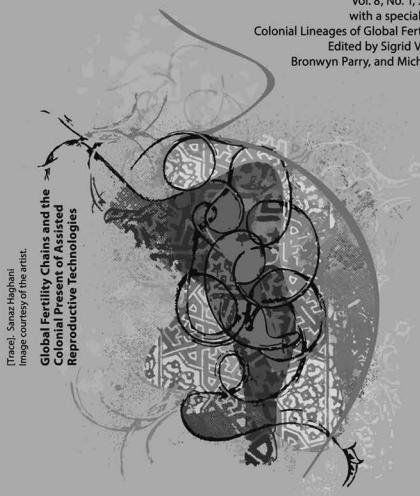
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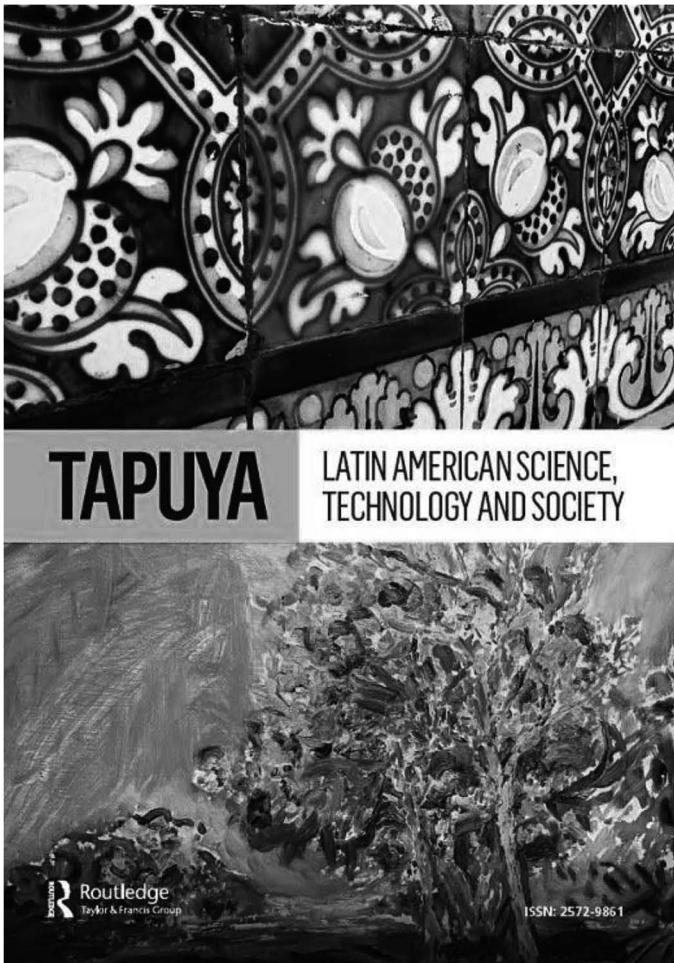
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***Tapuya: América Latina Ciéncia, Tecnología e Sociedade*** é um acesso aberto internacional revista que busca viabilizar uma rede de conversas informadas por STS na América Latina, entre a América Latina e as culturas euro-americanas e nas periferias globais.

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# **SCIENCE, TECHNOLOGY, & HUMAN VALUES**



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**SAVE THE DATE:**  
*4S 2023 Honolulu November 8–11*

*Sea to Sky: Care and Connection in Contaminated Times*

How do we connect with others? How do we sense and navigate possibilities for convivial relations living in contaminated ecologies? The theme of the 2023 Meeting of the Society for Social Studies of Science is an invitation to explore such questions from sea to sky. We carry sea and sky in our bodies as air and water. We rely on them and the lands that separate them for our livelihoods. Sea and sky are metaphors and materialities with which we can think about how to live with and revitalize harmed bodies, maligned ecologies, and strained societies. We encourage innovative contributions attentive to the problems of dwelling in polluted waters, colonized landscapes, and militarized spaces; of air-born transmission and breathing in asphyxiating economies; or of speaking through undersea cables, underground data centres, and online systems. We welcome new STS insights into technoscientific practice and knowledge, the nature of expertise, and whose knowledge claims count and how. We invite you to gather in Honolulu to think and learn about how we care and connect in contaminated times.

**Program Co-Chairs**

Aya Hirata Kimura  
Grant Jun Otsuki

**#4SHonolulu23**  
CALL FOR OPEN PANELS IN JANUARY 2023

# ACCESSIBILITY

## Accessibility

The conference rooms are equipped with projectors or LCD screens and built-in speakers. There will be a computer in each room connected to the audio and projection equipment. It is recommended that all PowerPoint presentations be made from the same computer to ensure smooth transitions. Try to arrive early, with your file on a USB, to upload it to the computer.

For special exhibitions, laptops and the necessary connection cables and adapters should be provided by the participants. In Mexico, "American" type plugs or sockets are used, with flat, parallel terminals and cylindrical grounding on the appliances with the highest consumption. The nominal mains voltage is 110 V 60 HZ.

## PREPARING YOUR PRESENTATION

**The conference follows the MLA advice for preparing presentations:**  
<https://profession.mla.org/toward-a-more-accessible-conference-presentation/> Last accessed: November 7, 2022.

Bring two large-print (16–18-point font, double-spaced) copies of your talk. Before you begin your talk, ask the attendees in the room if there is anybody who would prefer to follow your talk by reading along with you by way of a print copy. If you are worried about your work circulating without your permission, you might write "not for circulation" or "please return to author at end of panel" at the top of your paper. Keep in mind that there are many reasons why somebody would prefer to follow your paper in a print format. By opening yourself up to this practice, you will draw in a larger audience and circulate your ideas more widely.

- Bring copies of *PowerPoint* slides if you intend to do a slide presentation and offer them to attendees.
- Make your *PowerPoint* presentation accessible:
- Use sans serif font styles, minimum 36-point font.

## ACCESSIBILITY

- Do not go beyond six lines of text per slide. If you have a long quotation, divide it among two slides if necessary.
- Avoid using outlandish colors or design schemes. Stick to basic, high-contrast models, either black font on white background, or white font on black background.
- Describe to your audience in detail any images or graphics you choose to include in your slide show. Make sure you account for this in the timing of your talk.
- Include transcriptions for audio and visual files.
- Give a title to every slide.
- Avoid distracting slide transitions and graphics.
- Consider making your *PowerPoint* presentation available digitally. If you do, please use appropriate headers. Avoid all caps. All of the above guidelines apply.
- Consider extending your talk through digital access to your audience. This is especially important if you are unable to bring physical copies. You might go about this in a few ways:
- If you use *Twitter*, you could tweet out a link to your paper hosted on *Google Drive*, *OneDrive*, *Humanities Commons CORE*, or some other shareable platform. Alert your audience to its availability as you begin your talk. Of course, you can delete the tweet and link once your panel is finished.
- Digital-access copies of papers should follow accessibility guidelines: ensure appropriate, high-contrast colors (e.g., black on white); use sans serif fonts; and avoid all caps.<sup>3</sup>
- Given how rapidly technology is changing, we anticipate shifts in the realm of digital access in the coming years. Be attuned to these continued conversations.

## DURING THE PRESENTATION

Speak as clearly as possible and at a moderate pace without covering your mouth. Avoid reading your talk quickly. Rehearse your talk beforehand to get a sense of your time constraints. If there is a microphone, speak into the microphone. Do not ask if your voice projection alone is enough to reach

## ACCESSIBILITY

everyone (i.e., don't ask "Can everyone hear me without the microphone?"); instead, assume that the microphone is needed.

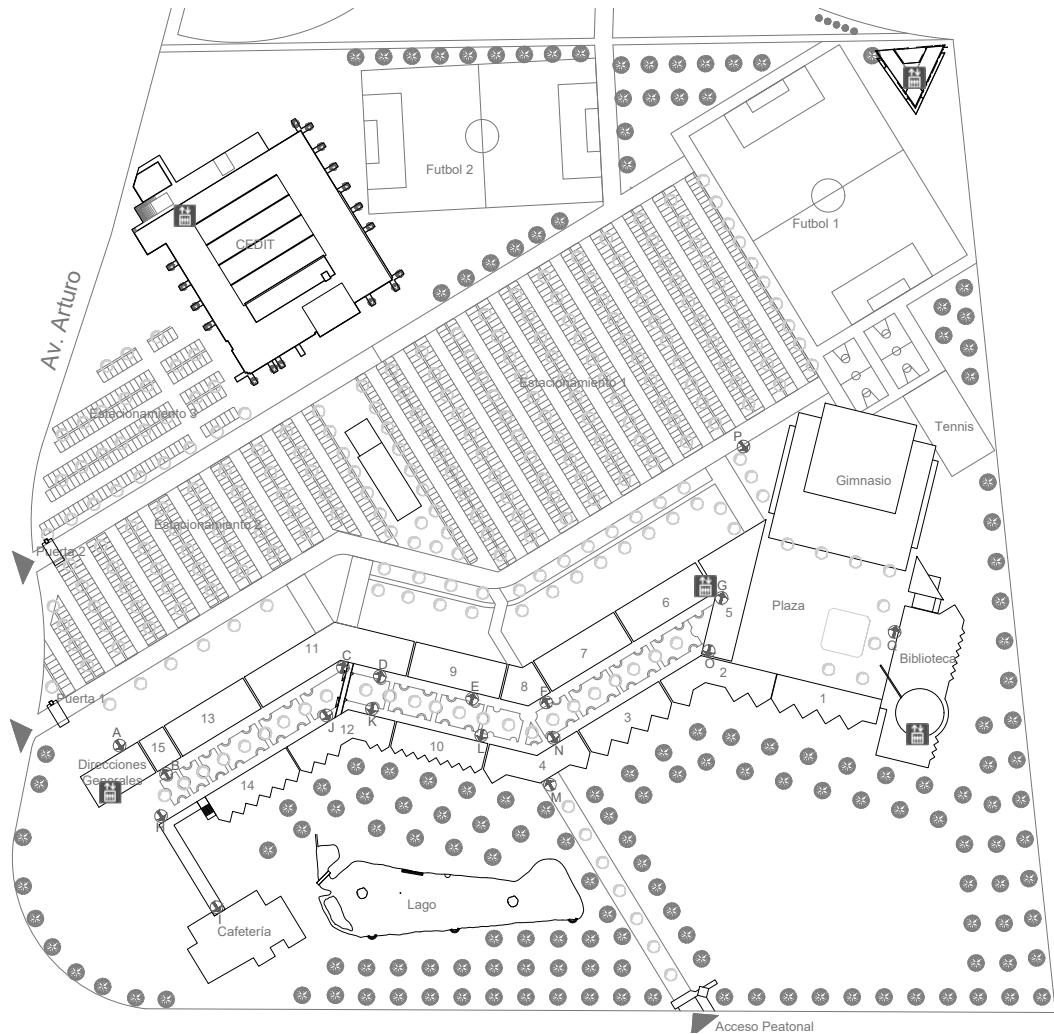
### *Panel Chairs*

If you are a **panel chair**, you might consider the following:

- Strike a balance between managing time and accounting for speech variability. Try not to get too hung up on the amount of time it takes a panelist to present a paper. Of course, there are time restrictions you need to account for; use your judgment, but remember that everyone speaks at varying paces (some stammer, for instance).
- Ask your panelists ahead of time if they have accessibility needs. In the past, for example, panel chairs have repeated questions from the audience to Jason (who is severely hearing impaired). Such thoughtfulness can assuage the anxiety that disabled presenters feel.
- Consider collecting access copies from panelists before the session begins. This might streamline distribution of access copies during the session. You could also distribute access copies from the panelists at the beginning of each talk. On that note, you should communicate with your panelists ahead of time to ensure that they bring access copies.
- Finally, remember that accessibility helps everyone, not just people with disabilities. Be flexible, generous, and willing to accommodate an array of accessibility needs. Be open to conversations and suggestions. By keeping in mind these suggestions, you will present your research in a clear, efficient manner, and your work will have a larger footprint.

# ACCESSIBILITY

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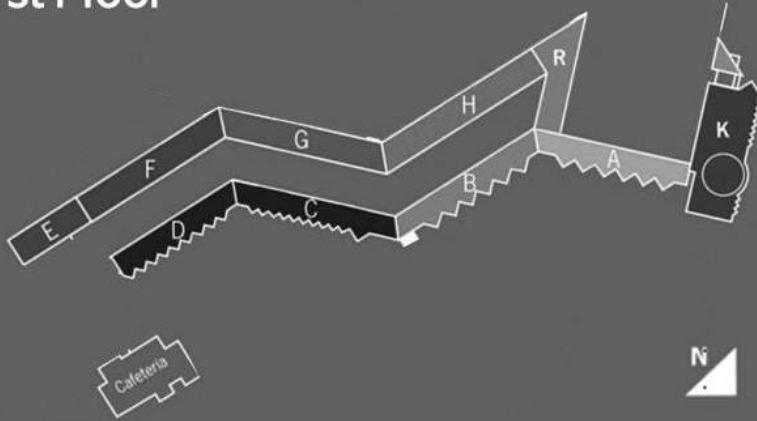
## ACCESSIBILITY

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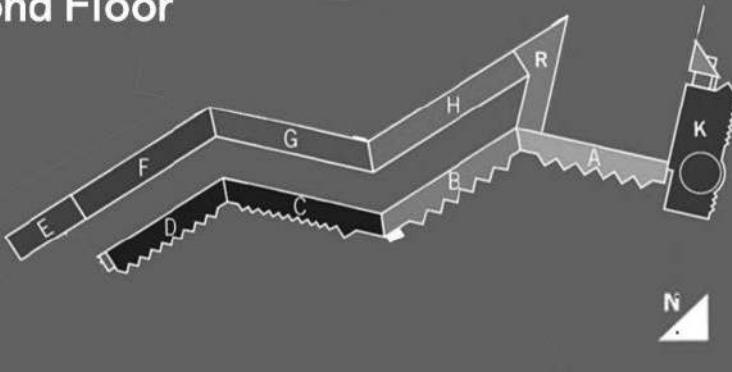
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## CAMPUS MAP

### First Floor

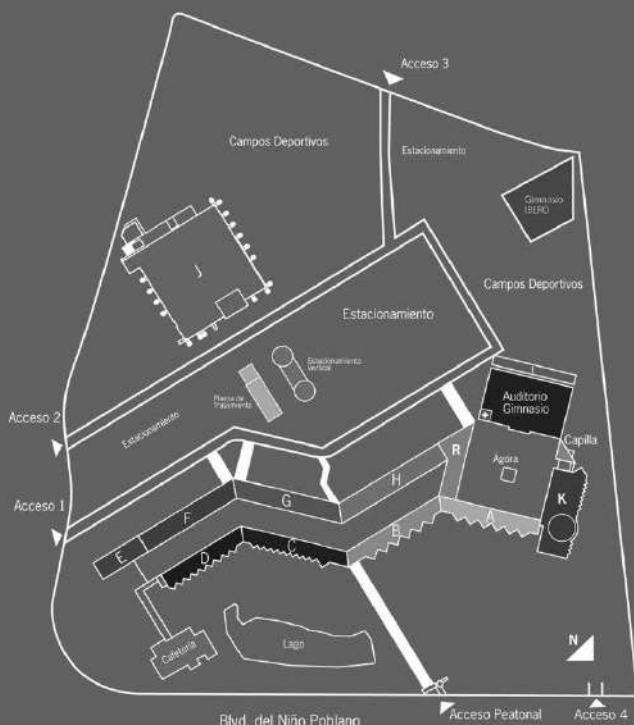


### Second Floor



# ACCESSIBILITY

## Mapa General del Campus



<b>A</b>	Edificio •Italian Coffee •Salones	<b>G</b>	Edificio •Compras •Laboratorios / Talleres	<b>O</b>	Edificio •Estacionamiento Vertical
<b>B</b>	Edificio •Caja •Credito y Cobranza •Financiamiento Educativo •Dirección de Mercadotecnia •Salones	<b>H</b>	Edificio •Oficina de Atención Técnologica •Cajeros •Auditorio Manuel Acévez, S.J.	<b>R</b>	Rectoría •Procuraduría Universitaria •Centro de Participación y Difusión Universitaria •Dirección de Comunicación Institucional
<b>C</b>	Edificio •Agente de Seguros •Salones	<b>I</b>	Edificio •Salones Artísticos / Fitness •Vestidores •Servicio Médico •Todo IBERO	<b>J</b>	IDIT Instituto de Diseño e Innovación Tecnológica •Servicio Médico
<b>D</b>	Edificio •Capetec •Salones	<b>K</b>	Edificio •Biblioteca Universitaria •Servicios Escolares •Promoción/Admisiones •Biblioteca •Laboratoria (LITE) •Sala de Certificaciones	<b>L</b>	Capilla
<b>E</b>	Edificio •Egresados •Promoción y Admisión de Posgrados •Oficinas	<b>M</b>	Cafetería •Sala de Asociación de Investigadores	<b>N</b>	Gimnasio IBERO
<b>F</b>	Edificio •Laboratorios / Talleres •Salones				

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