TRANSnational STS

SOCIETY FOR SOCIAL STUDIES OF SCIENCE
ANNUAL CONFERENCE

SYDNEY INTERNATIONAL CONVENTION CENTRE
AUGUST 29 – SEPTEMBER 1 2018

@4sSydney

#4s2018

4s2018sydney.org

4sonline.org

Online program with abstracts at
convention2.allacademic.com/one/ssss/4s18/

Cover art by
Morgan Richards, The Design Embassy

TRANSnational STS

The theme of the 2018 annual meeting of the Society for Social Studies of Science – TRANSnational STS – encourages presentations, panels, and other events that deepen and extend the transnational character of the Society itself, while engaging issues invoked by both the TRANS prefix (across, beyond, to change thoroughly), and by the problematic and evolving status of 'nations' in processes of global ordering. Leveraging the global scope of Science and Technology Studies (STS), our aim is to intensify connection between conference participants (scholars, practitioners, and students) based in different regions, stimulating conversation about ways 4S and other scholarly societies can provide critical infrastructure for next-generation, transnationally collaborative, intellectual and political engagements. We also aim to encourage consideration of a broad array of concepts that are undergoing – or should undergo – transformation if we are to address key scholarly and practical problems of our times. Current concepts, knowledges, practices, and institutions of "the nation" are exemplary, pointing to a need for radical reformulation of habitual ways of thinking about and organizing governance, bodies and lifeworlds. Expansive reconsideration of other concepts, foundational and emergent (justice, biopolitics, innovation, Empire, and the Anthropocene, for example), are also encouraged. Activities that draw conference participants into issues of special importance in Australia and the broader Asia-Pacific region – indigenous politics, border controls, mining, climate change, and renewable energy, for example — will be threaded throughout and offered in advance of the conference. The overall goal is to foreground diverse STS genealogies and approaches, leveraging the rich pluralism of STS, attuned to the rich pluralism of the contemporary world.

Wednesday, August 29

9:00 – 11:30	**Sub-Plenary: STS Journal Roundtables** *ICC Sydney: Cockle Bay Room*
9:30 – 12:30	**Sydney Toxic Tour** *Various locations (pre-booking required)*
11:30 – 13:00	**4S Graduate Student Journal Working Group** *ICC Sydney: Cockle Bay Room*
13:30 – 17:00	**Making and Doing Programme** *MAAS/Powerhouse Museum: The Lab*
14:30 - 16:30	**Making and Doing Connective Crits** MAAS/Powerhouse Museum: The Lab
15:30 – 17:00	**Sub-plenary: STS Across Regions: Honoring Diverse Scholarly Traditions** *ICC Sydney: Cockle Bay Room*
17:15 – 18:45	**Welcome to Country and Presidential Plenary** Speaker: Kim Fortun *ICC Sydney: Cockle Bay Room*
19:00 – 20:30	**Welcome Reception with DJ Alex Lippman** *ICC Sydney: Cockle Bay Room*

Thursday, August 30

All Day	**Publisher and Book Exhibits** *ICC Sydney Exhibition: Level 3*
	STS Across Borders *ICC Sydney Exhibition: Level 5*
9:00 – 10:30	**Concurrent Sessions** (26)
	STS Across Borders: Meet the Exhibitors *ICC Sydney Exhibition: Level 5*
10:30 – 11:00	**Coffee Break**
11:00 – 12:30	**Concurrent Sessions** (26)
12:30 – 14:00	**Lunch Break**
	Asia-Pacific STS Network Business Meeting *ICC Sydney: C2.4*

	Indigenous STS Meet-Up *ICC Sydney: C2.5*
	EASTS Editorial Meeting *ICC Sydney: C5.6*
	Tapuya Editorial Meeting *ICC Sydney: C2.6*
	STS Across Borders: Meet the Exhibitors *ICC Sydney Exhibition: Level 5*
14:00 – 15:30	**Concurrent Sessions** (26)
14:00 – 17:00	**Art+Science Short-Film Showcase** *Powerhouse Museum, Kings Cinema*
15:30 – 16:00	**Coffee Break**
16:00 – 17:30	**Concurrent Sessions** (26)
18:00 – 19:30	**Dyason Lecture** Speaker: Helen Verran *State Library of New South Wales*
20:00 onwards	**Queer/STS Meet-up** *The Beauchamp Hotel, Darlinghurst*

Friday, August 31

All Day	**Publisher and Book Exhibits** *ICC Sydney Exhibition: Level 3*
	STS Across Borders *ICC Sydney Exhibition: Level 5*
7:30 – 9:00	**National Committee of the History and Philosophy of Science Business Meeting** *ICC Sydney: C5.6*
9:00 – 10:30	**Concurrent Sessions** (26)
	STS Across Borders: Meet the Exhibitors *ICC Sydney Exhibition: Level 5*
	Carson Book Prize *Life Support: Biocapital and the New History of Outsourced Labor* by Kalindi Vora: Author Meets Critic *ICC Sydney: E3.2*
10:30 – 11:00	**Coffee Break**

AT A GLANCE

11:00 – 12:30	**Concurrent Sessions** (26)
	2018 Bernal Prize: A conversation with Trevor Pinch (virtual presentation) *ICC Sydney: Parkside 1*
12:30 – 14:00	**Lunch Break**
	Pseudoscience in Popular Culture: A Musical Conversation *ICC Sydney: C2.1 (12:45 start)*
	Art+Science Dialogues *ICC Sydney: C2.5 (1pm start)*
	Australian-French STS Researcher Networking *ICC Sydney: C2.4 (1pm start)*
	6S Business Meeting *ICC Sydney: C2.2*
	STS Across Borders: Meet the Exhibitors *ICC Sydney Exhibition: Level 5*
	Global Darwin Down Under Working Lunch *ICC Sydney: C2.6*
14:00 – 15:30	**Special Plenary: Indigenous STS Plenary.** Speakers: Marama Muru Lanning, Lynette Russell, Kim Tallbear, Kyle Whyte *ICC Sydney: Parkside 1*
14:00 – 17:00	**Art+Science Short-Film Showcase** *MAAS/Powerhouse Museum: Kings Cinema*
15:30 – 16:00	**Coffee Break**
16:00 – 17:30	**Special Plenary: 4S Honors and Futures** *ICC Sydney: Parkside 1*
18:30 onwards	**4S Sydney 2018 Banquet** *MAAS/Powerhouse Museum* Includes smoking ceremony with Uncle Jimmy Smith, 'critical gelatin studies workshop' by Lindsay Kelley, and canapes with drinks

Saturday, September 2

All Day	**Publisher and Book Exhibits** *ICC Sydney Exhibition: Level 3*
	STS Across Borders *ICC Sydney Exhibition: Level 5*
9:00 – 10:30	**Concurrent Sessions** (26)
	Fleck Book Prize for *Breathing Race into the Machine* by Lundy Braun: Author meets critic *ICC Sydney: C2.3*
10:30 – 11:00	**Coffee Break**
11:00 – 12:30	**Concurrent Sessions** (26)
	STS Across Scale: 4S Meets Regional STS Organisations *ICC Sydney: C2.3*
12:30 – 14:00	**Lunch Break**
	4S Business Meeting *ICC Sydney: C2.4*
	Transformed Academic Careers *ICC Sydney: C2.6*
	Ethnografilm Program *ICC Sydney: 2.5*
14:00 – 15:30	**Concurrent Sessions** (23)
	STS Across Borders: Recap and Next Steps *ICC Sydney: E3.10*
14:00 – 17:00	**Art+Science Short-Film Showcase** *MAAS/Powerhouse Museum: Kings Cinema*
15:30 – 16:00	**Coffee Break**
16:00 – 17:30	**Concurrent Sessions** (10)
	Special Event: STS in Practice: Activism, Algorithms and Accountability with Joan Donovan and Genevieve Bell *ICC Sydney: C2.3*
18:00 – 20:00	**6S Networking Social** *Gallon, Pyrmont*

President's Welcome to 4S 2018

What does it look like to stage and enact TRANSnational STS? Thanks to exceptionally creative and skilled conference program committees, we have the opportunity to see this in action. Conference convenors Emma Kowal and Matt Kearnes, working with many other people and committees, have done a truly extraordinary job realizing our conference theme. I appreciate their work very much and am so grateful. Please join me in thanking them in person as 4S 2018 unfolds.

The many committees and types of work that went into organizing the conference exemplify the organizational demands of cooperative transnationalism. It is important that we try to acknowledge all, realizing in good STS fashion that we won't be fully successful, and that important work will remain invisible and unappreciated. But let us start, remaining attentive to the ever-important need to recognize and reflect on our own labors and practices, accountable to each other, knowing that scholarly community is not ascribed but achieved — especially in this fraught historical moment.

As STS communities, programs and scholars around the world struggle to secure funding, legibility and credibility — often amidst crude anti-intellectualism and xenophobia — my appreciation for the people who bring us together in Sydney is especially deep. They have shown us, through their deeply intellectual labors, what a TRANSnational scholarly community looks like and promises.

Emma Kowal and Matt Kearnes worked with a program committee that included people from twelve countries (and almost as many time zones), who came together in virtual meetings at least monthly over the last year. See all their names at the front of this program, noting the especially meticulous labor of conference secretaries Sophie Adams and Thao Phan.

Emma Kowal, Matt Kearnes, along with Kari Lancaster, also led a separate "National Organizing Committee" and "Logistics Committee" that helped embed the conference in its context. Through these committees, kylie valentine organized the conference's Aboriginal ceremonies and translations of the conference theme into Aboriginal languages; Nicola Marks organized onsite childcare; Thao Phan organized an affordable accommodation package; Niamh Stephenson organized the book exhibit; Kari Lancaster organized the banquet; Michala Spencer (with 4S Council member Teun Zuiderent-Jerak) led the committee that organized the Making and Doing

exhibit.

Still others have taken lead roles in initiatives that realize the TRANsnational STS in very concrete ways. Tim Neale organized the "Indigenous STS" plenary group and session; Juan Salazar organized the 4S Sydney Short Film Program; Joe Klett is leading an STS Oral History initiative, extending his work on the history of 4S (a collection in the the STS Across Borders Exhibit); Aalok Khandekar led the STS Across Borders Design Group and Contributing Editors Collective.

Elected 4S Council members and 6S (student) representatives also deserve our thanks for their contribution to the conference. Over the last year, I have asked them to think expansively about and plan the future of 4S, contemplating our purpose and goals, and the events and activities that will help realize them. Our annual conference is, of course, central.

The 4S President and Council, and all 4S committees, are supported by the steady work of 4S Secretary Steve Zehr, Treasurer Paige Miller, Program Officer Wes Shrum and Communications Administrator Steve Coffee. Many, many thanks to them as well!

Through the efforts of all these people, we'll have the opportunity at this conference to both learn about and extend the TRANSnational character of 4S and STS. The opportunity to learn more about Australian STS is an especially important part of this. I've been impressed to learn how Australian STS is growing, addressing issues — extraction industries, indigeneity, and "the Anthropocene," for example — that have critical local as as well as global dimensions. We'll be able to learn about Australian STS in comparative perspective at a sub-plenary on Wednesday afternoon – STS Across Regions – and again on Saturday, at a more tactical meeting that will bring together leaders of different regional STS organizations (to figure out how 4S can better partner with and support these organizations). Australian STS will also be showcased in the STS Across Borders exhibit, (alongside collections focused on STS in many other regions, including Turkey, Japan, Africa, and South Korea). The promise is captured in Professor Helen Verran's description of her plenary lecture (Thursday evening), titled "Dancing with Strangers: Imagining an Originary Moment for Australian STS" which will explore how "knowers in disparate traditions engaged each other with curiosity and respect, as occasion to articulate (another) originary moment in Australian STS."

Early in the conference, two activities will set the stage for what follows. At the Presidential Plenary and following reception, we'll hear sound mixes from STS scholar and DJ Alexandra Lippman. Some of these sounds will be Mexican reinterpretations of dance music from Colombia's Northwest, in a form known as Cumbia sonidera, in which DJs pass greetings between people across borders. Other sounds will be drawn from other traditions and places; Lippman's mixes will experiment with and celebrate both situated and migrant aesthetics, communication and connectivity — performing a new kind of STS scholarship. This will be a powerful way for us to begin, celebrating the many ways TRANSnational STS takes us in new directions.

At the opening we'll also acknowledge Aboriginal sovereignty and that we are holding the conference on the land of the Gadigal people of the Eora Nation. This acknowledgement will be explicit in the "Welcome to Country" ceremony during the Presidential Plenary and through a smoking ceremony at the banquet on Friday night. Our acknowledgement and appreciation of Aboriginal sovereignty will also run throughout the conference, lacing through our efforts to re-think and refigure dominant forms of knowledge and collectivity — helping us imagine what a TRANSnational STS can become.

With deep appreciation for the STS community and particularly those who have created the space of our 2018 conference, I look forward to our Sydney meeting!

Kim Fortun, 4S President

From the Programme Chairs

On behalf of the 4S organising team, we would like to acknowledge the traditional custodians of the lands and waters of the place we are meeting on, the Gadigal people of the Eora Nation. As we well know in Science and Technology Studies, knowledge production is a situated practice, and we acknowledge that the site of the 2018 4S conference has been nourished and cared for over many generations by Indigenous custodians. This custodianship of what is now called 'Darling Harbour' has persisted through the world-shattering violence of British colonialism and, more recently, by the remaking of what was once a working port by the aesthetics and infrastructures of tourism, global capital and inner-city housing.

This year's TRANSnational theme challenges us to think at the intersection of the planetary and the situated. Both the world and the place where we meet for 4S 2018 needs STS more than ever. Born on the periphery of established disciplines, STS seems appropriate for a meeting located at what Jane Jacobs (the Australian geographer) once called the 'edge of empire'. And Australia, culturally adjacent to Euro-America, geographically adjacent to the rising Asian powers, but external to both, is a good place to consider what TRANSnational STS might mean and what it might achieve.

4S Council special sessions at the conference will consider how STS has been made in different places and what we might learn from each other. As 4S Sydney attendees will soon discover, STS in this corner of the world is shaped by enduring Indigenous knowledges, settler colonialism, state extractivism, a fairly intact welfare state, high levels of immigration, and the sense of mythic opportunity and xenophobia that comes with being a vast but sparsely populated continent – often characterised as a 'Western outpost' – in the Asia Pacific.

In organising the conference we took seriously 4S President Kim Fortun's TRANSnational theme. Extending the practice initiated at 4S Boston, we began by coordinating the translation of the conference statement into 19 languages, including seven Asian languages and three Indigenous Australian languages (coordinated by kylie valentine, who also organised the Welcome to Country events). We continued our transnational practice by drawing on a large international Programme Committee

(in additional to National Organising Committee led by Kari Lancaster). Our monthly virtual meetings spanned four continents and many time zones. This careful temporal and linguistic labour has produced what we think is a vibrant program that demonstrates the intellectual depth and breadth of the field. We're particularly excited about the foregrounding of 'Indigenous STS' – an emerging and productively ambiguous term – in a plenary session organised by Tim Neale.

We offer our sincere thanks to Graham Lucas for his efforts - stretching back to 2012 - to get 4S to Sydney. We're grateful for the efforts of all international visitors to make it to 4S 2018, only the second 4S conference to be held in the region (after Tokyo in 2010), and for the wonderful work of colleagues in regional STS associations publicising the conference. We only wish that we could have provided more travel grants to attendees from low-income countries – an issue that points to the material resources required for truly transnational conversations.

This year's conference includes some other innovations. In terms of infrastructure, we have offered dedicated onsite childcare (thanks to Nicola Marks) and an affordable accomodation package at the National Centre of Indigenous Excellence in Redfern (thanks to Thao Phan). Program innovations include the 4S Sydney Short Film Program curated by Juan Salazar in addition to Wes Shrum's Ethnografilm highlights, and the STS Across Borders exhibition led by Aalok Khandekar that seeks to begin a conversation within the 4S community about the diverse histories and genealogies of STS research. The latter is complemented by an STS Oral History project led by Joseph Klett. We are also excited to be partnering with the Museum of Applied Arts and Sciences (commonly known as the Powerhouse Museum) for a range of programme events, including the Making & Doing programme curated by Michaela Spencer and Teun Zuiderent-Jerak and the 4S banquet, organised by Kari Lancaster and featuring the work and live food art of Lindsay Kelley. We are sure many delegates have already enjoyed the pre-conference events on offer, and encourage all of you to consider the special events, lunchtime workshops and meet-ups to come, and stop by the book exhibit (organised by Niamh Stephenson).

Though organising a conference of this scale and scope is a task that few would undertake lightly, we are immensely grateful for Kim Fortun's invitation to become co-chairs and to the almost limitless generosity of the 4S community in bringing the conference together. We are immensely grateful to Sophie Adams and Thao Phan for the huge number of hours spent corresponding with delegates, wrangling the abstract submission system and so many other things besides, and for Georgia Miller's equally superb work earlier on. Thao Phan also coordinated our large team of volunteers. Steve Coffee, Wes Shrum and Paige Miller have, as usual, provided outstanding support to our organising team.

We hope this meeting moves 4S and STS forward and perhaps sideways, rethinking what STS can offer as we hurtle through the 21st century, and we look forward to joining together again next year in New Orleans.

Emma Kowal and Matthew Kearnes, 4S Sydney Programme Chairs

2018 Programme Committee

Emma Kowal (Programme Co-chair, Deakin University)
Matthew Kearnes (Programme Co-chair, UNSW)
Kim Fortun (4S President, University of California, Irvine)
Sophie Adams (Conference Secretary, UNSW)
Thao Phan (Conference Secretary, University of Melbourne)

Nicola Marks (UoW)
Timothy Neale (Deakin University)
Daniel Breslau (Virginia Tech)
Noela Invernizzi (Universidade Federal do Paraná)
Diane Gu (University of California, Los Angeles)
Aalok Khandekar (IIT Hyderabad)
Thomas Cousins (Stellenbosch University)
Sulfikar Amir (Nanyang Technologicall University)
Soraya Boudia (University of Paris Descartes)
Chihyung Jeon (Korea Advanced Institute of Science and Technology)
Anto Mohsin (Northwestern University in Qatar)
Eli Elinoff (Victoria University of Wellington)
Anna Harris (Maastricht University)
Hined Rafeh (RPI)
Olga Bychkova (RPI)

National Organising Committee

Matthew Kearnes (Programme Co-chair, UNSW)
Emma Kowal (Programme Co-chair, Deakin University)
Thao Phan (Conference Secretary, University of Melbourne)
Sophie Adams (Conference Secretary, UNSW)
Jeremy Baskin (University of Melbourne)
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Peta Cook (University of Tasmania)
Radhika Gorur (Deakin University)
Declan Kuch (UNSW)
Kari Lancaster (UNSW)
Heather Lovell (University of Tasmania)
Nicola Marks (UoW)
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Timothy Neale (Deakin University)
Juan Salazar (WSU)
Caroline Schuster (ANU)
Michaela Spencer (CDU)
Niamh Stephenson (UNSW)
kylie valentine (UNSW)
Sonja van Wichelen (University of Sydney)
Jeremy Walker (UTS)

Sydney Logistics Committee

Kari Lancaster, chair (UNSW)
kylie valentine (UNSW)
Declan Kuch (UNSW)
Sophie Adams (UNSW)
Matthew Kearnes (UNSW)
Niamh Stephenson (UNSW)
Jeremy Walker (UTS)
Wes Shrum (4S Program Officer, Louisiana State University)
Steve Coffee (4S Communications Administrator)

4S Governance

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President: Kim Fortun, University of California Irvine

Secretary: Stephen Zehr, University of Southern Indiana

Treasurer: Paige Miller, University of Wisconsin, River Falls

Program Officer: Wesley Shrum, Louisiana State University

Council

Term expires fall, 2018

Sara Wylie (Northeastern University)

Gwen Ottinger (Drexel University)

Oscar Javier Maldonado Castañeda (Linköping University)

Term expires fall 2019

Steven Jackson (Cornell University)

Gloria Baigorrotegui (Instituto de Estudios Avanzados IDEA-USACH)

Anita Say Chan (University of Illinois)

Term expires fall, 2020

Lesley Green (University of Cape Town)

Noela Invernizzi (Federal University of Parana)

Roopali Phadke (Macalester College)

Teun Zuiderent-Jerak (Linköping University)

Student Representatives

Erika Amethyst Szymanski (University of Otago)

Margarita Rayzberg (Northwestern University)

Aadita Chaudhury (York University)

Exhibitors and Sponsors

Supporters

State Library of NSW

Australasian STS Graduate Network (@gradSTSau)

Deakin Science and Society Network (@SSNDeakin)

National Committee for the History and Philosophy of Science, Australian Academy of Science

College of Indigenous Futures, Arts and Society (Charles Darwin University)

Exhibiting Publishers

Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS)

Duke University Press

Mattering Press

MIT Press

Palgrave Macmillan

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ANU Press

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MSU Center for Gender in Global Context

Polity Press

University of Minnesota Press

Acknowledgements

National STS Making & Doing Organising Committee:

Michaela Spencer (Chair, CDU)

Radhika Gorur (Deakin University)

Declan Kuch (UNSW)

Catherine Phillips (Melbourne University)

Teun Zuiderent-Jerak (Ex officio, Linköping University)

STS Across Borders Design Group

Managing Editor: Aalok Khandekar (IIT Hyderabad)

Digital Editor: Lindsay Poirier (RPI)

Archivist: Vivian Wong (University of California, Los Angeles)

Gallery Editors: Noela Invernizzi (Universidade Federal do Paraná) and Hined Rafeh (RPI)

Exhibit Advisors: Vivian Choi (St Olaf College), Maral Erol (Isik University), Kim Fortun (University of California, Irvine), Anna Harris (Maastricht University), Angela Okune (University of California, Irvine), Grant Otsuki (Victoria University of Wellington)

Prize Committees

2018 Bernal Prize Committee: Lucy Suchman (4S Past President, Lancaster University), Lesley Green (4S Council Member, University of Cape Town), Wen-Hua Kuo (former Council Member, National Yang-Ming University), Margarita Rayzberg (Student Representative, Northwestern University)

2018 Fleck Prize Committee: Shobita Parthasarathy (4S Council Member Chair, University of Michigan), Daniel Breslau (Virgina Tech), Tania Pérez-Bustos (Universidad Nacional de Colombia)

2018 Carson Prize Committee: Sara Wylie (4S Council Member and Chair, Northwestern University), Oscar Maldonado Castañeda (4S Council Member, Universidad del Rosario), Tim Choy (University of California, Davis)

2018 Edge Prize Committee: Gwen Ottinger (4S Council Member and Chair, Drexel University), Teun Zuiderent-Jerak (4S Council Member, Linköping University), and Erika Szymanski (Student Representative to 4S Council, University of Edinburgh)

2018 Mullins Prize Committee (all members of 4S Council): Gloria Baigorrotegui, (University of Santiago), Anita Say Chan (University of Illinois, Urbana-Champaign), Steven J. Jackson (Cornell University).

Mentoring Award Committee 2018 (all members of 4S Council)**:** Noela Invernizzi (Chair, Universidade Federal do Paraná), Anita Say Chan (University of Illinois); and Oscar Maldonado Castañeda (Universidad del Rosario).

2018 Infrastructure Committee Award: Gloria Baigorrotegui (4S Council Member and Chair, University of Santiago), Steven Jackson (4S Council Member, Cornell University), Aadita Chaudhury (Student Representative to 4S Council, University of York).

Making & Doing Award Committee: Teun Zuiderent-Jerak (4S Council Member and Chair, Linköping University); Michaela Spencer (CDU), Anita Say Chan (4S Council Member, University of Illinois), Nicholas Shapiro (Chemical Heritage Foundation)

Last but not Least

Thanks to Matt Harsh for organising the Mentoring program

Many thanks to our **student volunteers**.

Practicalities

Venues

4S 2018 will be held at two venues.

The main conference venue is the International Conference Centre Sydney (ICC Sydney), which is located on Darling Harbour.

The second venue is the Museum of Applied Arts and Sciences (MAAS), commonly known as the 'Powerhouse Museum'. MAAS is located at 500 Harris Street, Ultimo, 2007, and is a short walk from the ICC Sydney. See the map on the inside front cover.

Conference delegates have complimentary entry to the MAAS, and for a list of current exhibitions please see: https://maas.museum/

Registration / Check-in

Ground floor, ICC Sydney

Wednesday: 8:15 am to 7:30 pm

Thursday: 8:15 am to 5.30 pm

Friday: 8:15 am to 5:30 pm

Saturday: 8:15 am to 1:00 pm

Meeting Areas

All 4S meeting rooms are on the 2nd, 3rd, and 5th floors of the ICC Sydney. Book exhibits will be held on the 3rd floor of the ICC, and the STS Across Borders exhibition will be held on 5th floor of the ICC.

Making and Doing, the Art+Science short film programme, and the 4S Banquet will be held at the MAAS.

Internet Access

Complimentary Wi-Fi is available at both the ICC Sydney and MAAS venues. The complimentary Wi-Fi at the ICC Sydney is "ICC Sydney".

AV-Equipment

The main conference rooms are equipped with LCD screens and integrated speakers. There will be a HDMI and a VGA adaptor available in each of the conference rooms.

Laptop computers and any necessary connecting cables and adaters will need to be provided by participants (session organisers/chairs are responsible for setting up and checking the LCD screen). It is recommended that all PowerPoint presentations be run from the same computer to ensure smooth transitions — again, please arrive early, with your file on a thumbdrive).

Crèche Available at 4S Sydney 2018

4S is pleased to announce the availability of an onsite crèche for exclusive use by delegates. We are excited to partner with a specialised crèche service provider, Crechendo, to provide a safe and fun environment for the children requiring care during conference parallel sessions. Children will be entertained with a variety of age appropriate arts and craft, equipment and toys whilst being supervised by qualified and experienced childcare educators.

This is an independent service and is a pilot programme for 2018. We look forward to hearing your feedback.

Who is eligible?

Families with children between the ages of 1 month to 12 years are eligible to utilise this service.

Where is the crèche located?

The onsite crèche is located in Room E3.1 of the ICC Sydney. You will also be provided with directions at time of registration.

What are the hours and cost of service?

The crèche is open 8.30am-12.30pm and 2-6.00 pm on Thursday, Friday and Saturday of the conference week.

Parents will be asked to remain within the ICC Sydney and be contactable by phone (SMS) while their children are in care, and to pick them up for lunch (we encourage you to take full advantage of the lovely gardens surrounding the ICC Sydney).

Places are limited in particular for children aged under 2.

You may purchase childcare for up to 6 half-day sessions, at a cost of US $35 each.

Casual spots

If you missed out on registering for childcare before the conference, there may still be a few spots available on the day. Please inquire at the registration desk.

Getting Around Sydney

Sydney is well served by a range of public transport options including the Sydney Light Rail Network, the Sydney Train Network, Ferries and local buses. A range of trip planning services will help you navigate the city. See online at Transportnsw.info and apps such as Moovit and Tripview. To travel on Sydney public transport you need to purchase an Opal Card, which is available at most train stations and at a range of newsagents and other stores around the city. Opal cards work on the light rail, trains, buses and ferries; you need to tap them on and off again when you enter and exit each train or bus or ferry that is part of your journey.

The conference venue is also easily access by foot and by cycle. Bike share options are widely available across the city including Reddygo, O.Bike, OFO & MOBIKE. For road bike rentals see Livelo and for e-Bikes see SEB, VoltBike, & ElectricVelocity. See also Spinlister for peer-to-peer bike sharing options.

The city is also well served by taxis, Uber and RYDO. For car hire see GoGet and Car NextDoor.

Local cafes and Restaurants

There are numerous restaurants and cafes close to the conference venue at nearby Darling Harbour.

In the ICC complex, but facing outwards towards Darling Harbour, are **Guzman Y Gomez Taqueria** ($, take-away and eat-in, open 10:30am-8pm), **Betty's Burgers** ($, open 10:30am-9pm), **Harry's Cafe de Wheels** ($, take-away only, open 11am-8pm), and **Planar** ($$$, eat-in only, open 7am-12am).

Among various options in the vicinity are **Taste Baguette and Grill** ($$, take-away and eat-in, 11/1 Harbour St, open 8am-12am), **The Naked Duck** ($$, take-away and eat-in, 14/1-25 Harbour St, open 6:30-5pm), **Sushi Bay** ($$, take-away and eat-in, Harbourside Shopping Centre, open 11:30am-9:30pm), and **Atelier by Sofitel** ($$$, eat-in only, 12 Darling Dr, open 6-10am/12-3pm/5:30-9pm).

The Harbourside Shopping Centre contains a food court with **LokLok Dumpling Bar**, **Harbourside Thai**, **Enfes Kebabs**, **Pakwaan Indian** and other affordable take-away options.

Near the Powerhouse Museum are **Cafe Harris** (**$**, take-away and eat-in, 456 Harris St, open 6:30am-3:45pm), **Hannah's Pies** ($, take-away only, 562-570 Harris St, open 7:30am-8pm) and the **Q on Harris** ($, take-away and eat-in, 597 Harris St, open 6:30am-3pm) and the **Glasgow Arms Hotel** ($$, eat-in only, 427 Harris St; kitchen open 12-2:30pm and 5:30-9pm weekdays and 5:30-9pm Saturday).

For further listings see https://darlingharbour.com/eat-drink/.

Nearby Chinatown (see http://sydney-chinatown.info/) and the CBD also offer numerous places to eat and drink. Further recommendations can be found at:

https://concreteplayground.com/sydney/

https://www.broadsheet.com.au/sydney

https://www.goodfood.com.au/eat-out/good-food-guides/the-top-20-cafes-in-sydney-20180717-h12sj0

Affiliated Events

24-25 Aug **Neuroscience & Society: Ethics, Law, and Technology**

http://neuroethicsconference.org.au/

This conference will investigate the ethical, clinical, legal, and societal implications of a wide range of "moral technologies" that target factors beyond, as well as within, the brain, in order to observe, explain, and influence human thought and behaviour.

27-28 Aug **Brave New Law: Legal Personhood and the New Biosciences**

http://sydney.edu.au/arts/sociology_social_policy/about/news/index.shtml?id=9999

'Brave New Law: Legal Personhood and the New Biosciences' explores how bioscientific advances in the field of neuroscience, epigenetics, research on the microbiome, and immunology are encouraging thought provoking problems for the foundational legal principles of personality as well as their attendant notion of personal rights.

27-28 Aug **Making Sense of the Underground**

http://www.4sonline.org/site/profession/making_sense_of_the_underground

What does the field of Science and Technology Studies (STS) have to say about the underground? Mining, subterranean exploration, burial, and other forms of underground work are rich areas of investigation for STS scholars. This workshop aims to strengthen and expand a network of researchers in STS who address the underground in their work.

28-29 Aug **STS Africa 2018**

https://www.stsafrica2018.com

This workshop seeks to explore the question 'What are the boundaries of Science and Technology in Africa and how should we recognize and address both the uniqueness of African knowledge production and innovation on the one hand, and the potential that STS work in Africa has to offer to the field as a whole on the other?' The workshop seeks to bring together a diverse group of STS scholars working in the disparate intellectual communities of Biomedicine, the Environment and Information and Communication Technology.

28 Aug **4S Postgrad Workshop, co-hosted by 6S and AusSTS**

https://4s2018sydney.org/postgrad-workshop/

A full-day pre-conference workshop for MA, MS and PhD students and other early-career researchers. The focus of this year's workshop will be on connecting transnational STS communities.

28 Aug **First Nations Activism and Media Roundtable**

https://tanjadreher.net/2018/05/01/first-nations-media-and-activism-roundtable-at-unsw-28-august/

This Roundtable brings together scholars and producers of First Nations media to discuss the relationship between media and activism in a range of contexts including Australia, North America and Central America. Speakers will share examples of media production and research focused on First Nations activism on topics including environmental justice, Indigenous sovereignties, community resilience and diverse communications strategies.

28 Aug **Natty Wine and Its Companion Species**

https://nattywine4s.brownpapertickets.com/

At P&V in the gritty-artsy Newton neighborhood, join a lively guided tasting and conversation about natural wine worlds, living soils, microbial terroirs and more with P&V co-owner Mike Bennie, founder of the Sydney sustainability-focused wine fair Rootstock, and wine anthropologist Deborah Heath.

29 Aug **Masterclass with Margrit Shildrik: On doing collaborative and interdisciplinary research**

https://4s2018sydney.org/wp-content/uploads/2018/05/Flyer_ShildrickMasterclass.pdf

This masterclass with Professor Margrit Shildrick from Stockholm University engages with the problematic of how to conduct interdisciplinary research across the visual arts/humanities/science divides. It will look critically at a supposedly single biomedical event, that of heart transplantation, to investigate how variety of data and discourses can be brought together in the production of knowledge.

29 Aug **Film Screening: Healing Fukushima**

Healing Fukushima is a visual chronicle of the difficulties and hard choices made by medical first responders on the frontlines of a series of nuclear meltdowns at Fukushima Daiichi nuclear power station. Filmmakers Sulfikar Amir and Shi Lin Loh will answer questions. 6pm. Eastern Avenue Lecture Theatre 315. U Sydney Camperdown. Contact: hans.pols@sydney.edu.au

Ongoing **HUMANNONHUMAN**

https://maas.museum/event/human-non-human/

Art, science and speculation converge in this series of installations that asks the question 'What makes us human and how might humans adapt in the future?' Curated by Katie Dyer and Dr Lizzie Muller

29 Aug **The Visual Matrix**

https://4sonline.org/files/Visual_Matrix_blurb.pdf

An interactive workshop responding to the exhibition Human non Human at the Powerhouse Museum, using psycho-social methods to investigate shared aesthetic experiences.

30 Aug **Composting Happy Hour**

https://www.eventbrite.co.uk/e/composting-happy-hour-tickets-45958744843

An open social event for composters of environmental humanities and feminisms held during the 4S conference

3-6 Sep **Anthropocene Campus Melbourne**

http://www.deakin.edu.au/about-deakin/events/anthropocene-campus-melbourne-2018

Across the four days of ACM18 participants will engage in a range of lectures, field trips, and workshops in Melbourne and the wider area exploring the theme of 'The Elemental'.

5 Sep **Masterclass with Thomas Lemke: On Biopolitics and Materiality**

https://4s2018sydney.org/wp-content/uploads/2018/05/Flyer_LemkeMasterclass.pdf

Master class with Professor Thomas Lemke. In the context of the rise of "new materialisms" in the social sciences and humanities in the past two decades, the master class will take up and discuss different understandings of biopolitics that no longer exclusively address human individuals and populations, but attend to the complex associations of humans and nonhumans.

TRANSnational STS: What? Why? How? Presidential Plenary

Wednesday, 17:15 – 18:45 — ICC Sydney: Cockle Bay Room

The Society for Social Studies of Science (4S) promises to be an "international scholarly society". In keeping with the theme of the 2018 4S annual meeting – TRANSnational STS – this opening plenary will explore what this looks like in practice and what it calls upon us to do going forward. The plenary will begin with a "Welcome to Country" ceremony through which we will acknowledge that Aboriginal sovereignty has never been ceded and show our appreciation that we are holding the conference on the land of the Gadigal people of the Eora Nation. Drawing on the special exhibit built for the Sydney meeting – STS Across Borders – Kim Fortun will then share then what she has learned about the TRANSnational character of STS, about associated conceptual, political and organizational challenges, and about the potential of TRANSnational STS in the contemporary world. The transnational sounds of STS – shared by STS scholar and DJ Alexandra Lippman – will accompany.

Sydney Metropolitan Local Aboriginal Land Council

The conference's opening Welcome to Country ceremony and the smoking ceremony at Friday night's banquet are organised by the Sydney Metropolitan Local Aboriginal Land Council. The Council organises ceremonies in the region as "a tribute and as a reminder of the struggles and achievements of Elders and those who have gone before to fight for land rights and justice for our people. A Welcome to Country is a sign of respect to acknowledge the traditional owners of the land."

4S 2018 Special Plenary: Indigenous STS

Friday 14:00 – 15:30 ICC Sydney: Parkside 1

Early in its emergence as a discipline, some STS scholars looked to Indigenous knowledges as a resource to question the dominant framings of science. However, it has been suggested that this did not lead to the field forming deep engagements with either Indigenous scholars, Indigenous perspectives on science, or Indigenous knowledges. The range of scholars and topics that have been prominent at 4S conferences in recent years demonstrate that this situation may now be changing, with a renewed interest in such matters as Indigenous peoples' past and present encounters with scientific institutions and logics and how scientific research and STS alike might be 'indigenised'. The 2018 conference will take this opportunity to stage a plenary panel to critically enquire into what an 'Indigenous STS' is, or may yet be.

Panelists:

Kim Tallbear (University of Alberta), Marama Muru-Lanning (University of Auckland), Kyle Powys-White (Michigan State University), Lynette Russell (Monash University), Yih-Ren Lin (Taipei Medical University)

4S Honors and Futures

Friday 16:00 – 17:30 ICC Sydney: Parkside 1

This session will honor 4S's 2018 prize winners and open a discussion about the future of 4S and how it can best support STS scholarship, teaching and practice in coming years.

John Desmond Bernal Prize 2018: Trevor Pinch

The Society for Social Studies of Science annually awards its Bernal Prize to an individual judged to have made a distinguished contribution to the field of STS. Past winners have included founders of the field, along with prominent scholars who have devoted their careers to articulating the social dimensions of science and technology. The 2018 Prize goes to Trevor Pinch, Goldwin Smith Professor of Science & Technology Studies and Professor of Sociology at Cornell University.

Trevor Pinch has been a defining figure in the emergence and maturation of STS for more than three decades. He cut his teeth in the early sociology of scientific knowledge in the UK at Bath University as co-author (with Harry Collins) of *Frames of Meaning: The Social Construction of Extraordinary* Science (1982, Routledge) and author of *Confronting Nature: The Sociology of Solar Neutrino Detection* (Reidel: 1986). He was co-editor (with Wiebe Bijker and Thomas Hughes) of *The Social Construction of Technological Systems: new directions in the sociology and history of technology*, a founding text in the field (1987, MIT Press). His subsequent co-authored books include *Health and Efficiency: a sociology of health economics* (with Michael Mulkay and Malcom Ashmore, 1989, Open University Press), *The Uses of Experiment: studies in the natural sciences* (co-edited with David Gooding and Simon Schaffer, 1989, Cambridge University Press), and (with Harry Collins) *The Golem: what you should know about science* (1993/1998, Cambridge University Press, Canto Classics (2012), translated into 11 languages and now in its 6th edition), *The Golem at Large: what you should know about technology* (Cambridge University Press Canto1998/2014), and *Dr. Golem: how to think about medicine* (2005, Chicago University Press). Other books include *Analog Days: the invention and impact of the Moog synthesizer* (with Frank Trocco, 2002, Harvard University Press), *How Users Matter: the co-construction of users and technology* (co-edited with Nelly Oudshoorn, 2005, MIT Press), *The Oxford Handbook*

of Sound Studies (co-edited with Karin Bijsterveld, 2012 Oxford University Press), and most recently a book of interviews on the foundations of the STS field and Sound Studies, *Entanglements: Conversations on the Human Traces of Science, Technology and Sound* (with Simone Tosoni, 2017, MIT Press).

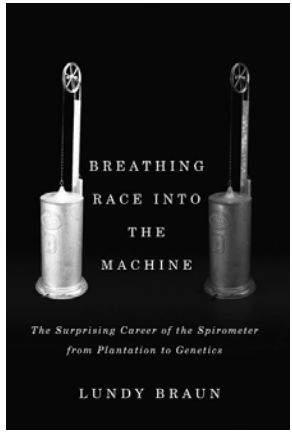
Pinch's work with Wiebe Bijker and Ronald Kline on the social construction of technology (SCOT) model has shaped scholarship on the culture of materiality for over three decades. In addition to its direct contribution to scholarship, *The Social Construction of Technological Systems* opened a space in the late 1980s that enabled both contemporaries and successive generations of scholars to find a home for empirically oriented social, cultural and historical analyses of technology. While it is now not hard to convince a reputable academic press to publish a book on any topic related to technology and society, that was not the case thirty years ago. This change is due in part to the remarkable success of MIT Press's Inside Technology series, which Pinch co-founded with Wiebe Bijker and Bernie Carlson. Their steady stewardship of this series, and their support for emerging scholars, has made an enormous contribution to the vitality of the field of STS. Since the publication of *Analog Days* in 2002, Pinch has been a central figure in the growing field of sound studies, now among the most generative domains of inquiry across the social sciences and the humanities. He has helped to usher new topics into the foreground of STS consciousness, such as (with Nelly Oudshoorn) the role of users in technical change, and to broaden the publics of STS through the *Golem* trilogy.

From his co-editorship of the 1994 *STS Handbook of Science and Technology Studies* (Sage) – which came at a decisive moment in the institutionalization of our field – to his service as President of 4S in 2012-2013, Trevor Pinch has exemplified the opposite of narcissism in the academy. Those who have had the privilege of being his colleagues and his students know of his generosity in terms of time commitment, his openness to new ideas, and his willingness to always provide emotional support (including as well to his favorite team in another field, Norwich FC). In recognition of these outstanding contributions, we are delighted to award the 2018 Bernal Prize to Trevor Pinch.

Ludwik Fleck Prize 2018: Lundy Braun

Breathing Race into the Machine: The Surprising Career of the Spirometer from Plantation to Genetics (Minnesota, 2014)

The Fleck Prize recognizes an outstanding book in the area of science and technology studies (STS). *Breathing Race into the Machine* examines the history of the spirometer, which has been used for well over a century to measure lung function. A means of determining strength, vitality, and capacity to engage in strenuous work, the spirometer plays an important role in occupational health and life insurance decisionmaking. Yet physician and historian Lundy Braun has demonstrated, in lucid and engaging prose, how faulty assumptions about the biological basis of race have been built into the machine itself. The technology comes equipped with "race correction" software and hardware designed to take into account the supposedly inferior lung capacity of non-Whites. The assertion that non-Whites have inferior lung capacity is the result of a 19th century study of Civil War soldiers, conducted by racist scientists. Throughout much of the ensuing century, leading black intellectuals, including W.E.B. Du Bois, repeatedly challenged this conclusion, to no avail. Instead, this supposedly biological difference went largely unquestioned in the medical, public health, and insurance communities until very recently, and continues to drive both public and private decisions. In 1999, for example, the world's largest insulation manufacturer tried to limit disability claims to non-Whites in a class-action lawsuit brought by 15,000 asbestos workers, based on the spurious science of racial differentiation in lung capacity and function.



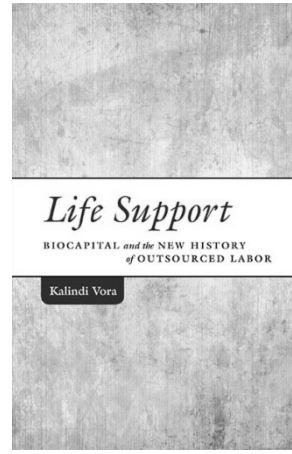
Breathing Race into the Machine is a model for STS scholarship as it clearly demonstrates the co-production of technology and race through detailed empirical work. It is impressive in its breadth, as it follows the development and use of this technology across four continents and multiple disciplinary boundaries. But this book is also important because it shows exactly how our values and biases are built into our technologies with serious consequences for how we think about whiteness and blackness even today. It provides essential conceptual tools for navigating, resisting, and remaking the algorithms and artificial intelligence that mark our current age, technologies that are inscribed with dangerous assumptions about race and morality.

Rachel Carson Prize 2018: Kalindi Vora

Life Support: Biocapital and the New History of Outsourced Labor (University of Minnesota Press, 2015)

Life Support is a compelling multi-sited ethnography that analyzes call centers, IT outsourcing, and gestational surrogacy in India as kindred forms of outsourced vital labor. Over the course of the book, Vora draws these disparate cases together in surprising and productive ways, where each highlights less visible aspects of the other. The result is a work that brings new ethical and political insights to each case, as well as to broader discussions of biocapital and labor.

Vora explicates how biocapitalism in these three cases extracts and simultaneously dismisses the value of outsourced laborers' "vital energy". For Vora, "vital energy" is the affective and emotional ability of humans to form relationships that help sustain one another. A key quality of outsourced labor is its requirement of workers' vital energy to soothe and insulate consumers/capitalists in the global north from the consequences of their own and others' physical and emotional alienation. In call centers, for instance, employees' work requires soothing concerned consumers not only through role-playing as if they are from the US, but also by living according to the rhythms and time zones of the global north. Inhabiting these roles, Vora argues, dislocates workers from their Indian social relations and locations.



In gestational surrogacy, the labor of bearing a transplanted fetus enables the genetic continuity of global north families even as women work through their child-bearing years while dislocating the host mother from her family and community. Here, Vora teaches us to discern subtle affective twist in the vital work required where one must generate while at the same time reassuring another that they are the generator. This simultaneously pointed and nuanced attention to vital energy and the affective work of making it available provides a valuable addendum to discussions of biocapital. Specifically, it maintains that while the articulation of life with capital can in some moments reformat the terms of capitalist accumulation, life and its biological or biotechnological substrates do not yield value on their own, but through the establishment and reproduction of particular forms of relation.

Edge Prize 2018: Manuel Tironi and Israel Rodríguez-Giralt

"Healing, knowing, enduring: Care and politics in damaged worlds," 2017 *The Sociological Review*

The Edge Prize is awarded annually for an outstanding peer-reviewed article or book chapter in Science and Technology Studies.

In their article, "Healing, knowing, enduring: Care and politics in damaged worlds," Tironi and Rodríguez-Giralt study "how care is invoked by activist groups and local citizens in their search for ethical recognition and environmental justice in Puchuncaví, Chile." They thereby bring together two STS literatures that often inhabit separate spheres: scholarship on the analytic of care and research on environmental justice in toxic landscapes. Mobilizing care enables questions of environmental justice in Puchuncaví to be transformed: the scholar's role is no longer to highlight marginalized knowledges in technoscientific disaster sites, but to listen to the attempts by the workers of this Chilean copper smelting plant to endure as ethical subjects.

People in Puchuncaví are victims of what Tironi and Rodríguez-Giralt call an "uncaring choreography": they are not only exposed to extremely high levels of toxicity, but also neglected and abandoned by the institutions supposed to protect them. This article shows how they resist, through self-care and mutual support – exemplified by the therapeutics of group meetings held by former smelting plant workers demanding compensation – as well as through domestic care, as a mode of knowing and acting upon their harmed bodies and environments.

Reading residents' activities through the lens of care allows the authors to "revisit what activism means in sacrifice zones like Puchuncaví, and to examine the implications and relevance of care practices in the provocation of politics." Tironi and Rodríguez-Giralt thus reflect on how scholars participate in the complex choreography of care and, ultimately, call attention to the importance of "stand[ing] 'in the presence of' those upon which we exert our good intentions." Arguing for a politics of scholarly engagement that is at once analytical and affective, the paper makes a crucial contribution to discussions about STS scholarship as a mode of intervention.

Mullins Award 2018: Daniel Williford

"Seismic Politics: Risk and Reconstruction after the 1960 Earthquake in Agadir, Morocco" 2017 *Technology and Culture*

The Mullins Prize is awarded annually for exemplary graduate student scholarship in Science and Technology Studies as represented in a published article or chapter, or article-length unpublished manuscript.

A total of 15 papers were submitted for consideration for the 2018 Mullins Prize, representing a wide range of methods, topics, and fields of STS research. Papers were reviewed by all members of the prize committee, and were assessed according to four criteria: contributions to the STS field, depth of research, quality of writing, and ethical/political relevance. After an initial round of evaluation and scoring, the top four papers were reviewed again and discussed at length.

After long deliberation and a difficult decision between several truly excellent papers, the committee is pleased to announce Daniel Williford of the University of Michigan as this year's Mullins Prize winner, for his paper "Seismic Politics: Risk and Reconstruction after the 1960 Earthquake in Agadir, Morocco" published in the October 2017 issue of Technology and Culture. Following the work of teams of Moroccan and international experts in the aftermath of the Agadir earthquake, Williford's careful scholarship shows how seismographic data, eye-witness accounts, and observed patterns of destruction were mobilized to (re)allocate blame and risk in the wake of disaster: away from the legacies of colonial and early post-colonial rule, and towards a causal emphasis on "natural forces" and primitive building practices in the poorest neighborhoods most devastated by the event. In the process, Williford shows how risk itself was reconfigured as a technopolitical object – and how such efforts "gave rise to projects aimed less at controlling nature than at redistributing vulnerability and authority among experts, administrators, and inhabitants."

4S Mentoring Award 2018: Sarah Franklin

Sarah Franklin started her university career at the beginning of the 1990s at Manchester University, then worked for several years at the University of Lancaster and is now at the University of Cambridge, where she is the head of the Sociology Department. In 2012 she founded the Reproductive Sociology Research Group (ReproSoc), an interdisciplinary and international research community that includes master and doctoral candidates, postdoctoral researchers, visiting researchers, and lecturers dedicated to the social study of reproduction.

Reprosoc has turned into a privileged space where Sarah has put into action all her academic and mentoring skills. By means of formal advising encounters, work in progress meetings, workshops, discussion of documentaries, community engagement, and informal social gatherings, she has developed a mentoring style oriented to foster interdisciplinary intellectual innovation, a supportive academic environment, and a culture of cooperation among members, all tempered with a commitment to social justice, respect, gentleness, intellectual humility, and good humor.

Mentoring, in Sarah´s style, does not only involve dedicating time to her students and offering them detailed feedback to their scholarly work. Encouragement, celebration of the student´s new ideas and accomplishments, and the construction of an atmosphere of trust and safety are just as important. Moreover, concerned with the difficult times post-docs and new scholars face these days to construct their careers – at this very moment a strike is spreading among UK universities – she tries her best to introduce her students to new professional networks, obtain resources to ensure long term postdoc appointments, and create institutional structures and research projects that actively support younger scholars.

Last, but not least, it is important to note Sarah´s commitment to change Cambridge University to ensure equality and equal access to education. She has created opportunities to support women in academia and to ensure LGBTQ students' rights, and is a strong leader in the Decolonise Cambridge initiative in her role as Head of Department in Sociology.

In a nutshell, as one of her students puts it, Sarah is a "generous, inspiring, wise and kind mentor who combines fostering intellectual rigor with a radical sense of care for students' and scholars' wellbeing".

STS Infrastructure Award 2018: East Asian Science, Technology and Society: an International Journal (EASTS)

EASTS was established just over a decade ago but has become an exciting, well-respected forum for publishing STS scholarship. In each of its issues it is possible to enjoy careful work that is centered on the wide range of STS topics; that bridges STS and other disciplines, amplifying interpretations, languages and insights; and that is presented moreover in distinctive and attractive covers to the audience.

EASTS has also built an impressive network of scholars working in East Asia. This network has notable visibility at 4S's annual meetings, demonstrating how the infrastructure *EASTS* has built infrastructures for 4S as well. Previously, academic publishing activity was compromised in its efforts to maintain STS communities in connection and in communication with the demands and trends of civil society.

Scholarship published in *EASTS* brings new visibility to East Asian scholars and topics and the geographic scope of the journal continues to grow. The editors plan to continue consolidating their work in East Asia and expanding it across and outside Asia. *EASTS* is thus a key to the deepening transnationalization of STS.

STS Making and Doing 2018

Wednesday, 13:30 – 17:00, MAAS/Powerhouse Museum:
The Lab and Powerhouse Learning Centre (PLC)
(500 Harris St, Ultimo; see map on inside front cover)

In the STS Making and Doing programme participants share their on-the-ground practices and innovations in scholarly knowledge work in a range of formats extending beyond academic papers or books. Due to its success at previous 4S conferences, 4S Sydney is hosting the third STS Making and Doing session.

This edition brings together scholarly practices of participation, engagement, and/or intervention by new and emerging STS practitioners, interdisciplinary practitioners, Indigenous knowledge authorities, and other researchers seeking to mobilise or make visible knowledge, language and culture practices not normally supported within the academy. The programme highlights the empirical diversity as well as the scholarly lessons from STS M&D scholarship. What and how are STS scholars able to contribute? And what are they learning from their efforts?

To extend the lessons we can learn from M&D scholarship, we are testing the format of Connective Crits to highlight differences and make connections across M&D projects. Borrowing and modifying a format commonly used in architecture and design schools, eminent and up-and-coming discussants tease out what they find particularly interesting when thinking through a cluster of projects. They emphasise the potential of thinking about M&D scholarship as collective and relational.

The 2018 STS Making and Doing Award winner will be selected during the M&D programme. As usual, the Awards (handed out during the Awards Ceremony) will formally acknowledge and celebrate distinctive achievements.

Connective Crit Schedule

(all during the STS Making and Doing programme at the Powerhouse)

14:30 – 14:55 Bringing together and keeping apart knowledges

Discussants: Endre Dányi (Goethe University, Frankfurt, Germany) & Radhika Gorur (Deakin University, Australia)

Projects include:

- Performing Knowledge Traditions In Accordance With The Transnational Stems and Branches Calendrical Clock (Southern and Northern Hemispheres), Rey Calingo Tiquia
- SCRaMbLing Human-Yeast Relations: A Methodological Experiment as ArtiSTS, Tarsh Bates, Erika Szymanski & Devon Ward
- Tiger Penis Project, Kuang-Yi Ku

- Remote Knowledge and Engagement, Julian Rutten

Moderator: Michaela Spencer (Charles Darwin University, Australia)

15:00 – 15:25 Compost, care, time

Discussant: Sebastián Ureta (Universidad Alberto Hurtado, Chile)

Projects include:

- Human / Plant Borderland Jamming, Emily Crawford
- Digital Futures of Karang Guni Recycling in Singapore, Lyle Fearnley
- Transforming the Standard Blackbox of Time, Barbara Bok
- How Do We Recognise Soil Organisms?, Anne O'Brien
- Life of Things Project: Piloting antidisciplinary co-creation of knowledge and care, Alexandra Endaltseva

Moderator: Teun Zuiderent-Jerak (Linköping University, Sweden)

15:30 – 15:55 Challenging Values in Design

Discussant: Annalisa Pelizza, University of Twente, Netherlands & Adrian Mackenzie (Lancaster University, United Kingdom - tbc)

Projects include:

- Technology In A Shared Home, Laura Parraga Gonzalez
- where are the end-ups?, Sankalp Bhatnagar
- Introducing My Laboratory: The Lab-Life Simulator, Hanbyul Jeong

Moderator: Anita Say Chan (University of Illinois, USA)

16:00 – 16:25 Film as Intervention

Discussant: Juan Salazar (Western Sydney University, Australia)

Projects include:

- Delayed Justice: the RCA Lawsuit, Wen-Ling Tu, Wen-Ling Hong, Yi-Ping Lin, Shiang-Yao Liu, Hsin-Hsing Chen, Chen-Yung Lin, Chung-Hsi Lin, Yuan Yuan
- 'Lift me up!' Engaging publics through film, Lina Ingeborgrud, Ivana Suboticki, Vivian Anette Lagesen & Jonas Hustad
- Making and Doing Karrabing Filmmaking and the Aesthetic of Survivance, Elizabeth Povinelli
- The Stories We Tell: Growing Up in High-tech Medicine, Nadine Tanio
- 'Nuclear': Creative Arts Exposing Humanitarian Impacts of the Atomic Bomb, using immersive digital projections, Paul Frederick Brown

Moderator: Nicholas Shapiro (Chemical Heritage Foundation, USA)

Making and Doing Contributions

A Theatre of Digital Designing

Allen Higgins, University College Dublin

This session recreates some of the interaction involved in the development of an App. We use short 'impro' sessions to demystify designing in general and software designing in particular. It enacts and reveals what happens behind the scenes. The design play opens a way for exploring the decisions behind algorithms that then become software. Designs and architectures are built up over time through these social-organisational interactions.

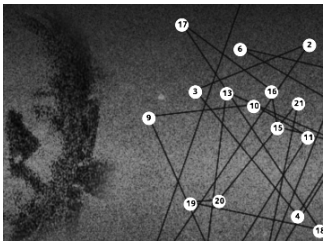
AI and Society: Creating Dialogue, Network and Future

Arisa Ema

AI is pervasive throughout our daily lives and its ELSI have been discussed by multi-stakeholders. An AI public dialogue event with various stakeholders was held in September 2017. The organizers emphasized the importance of beginning discussions from their own perspectives towards AI/robotics and used methodologies and tools that helped to express their emotions and values. The event helped bridge AI/robotics, social science, and humanities societies that never had a connection before. This collaborative culmination was based on grassroots discussions. This interdisciplinary dialogue and network continues in Japan.

Aurator: Audio Diaries across Synthetic Biology's Disciplinary Boundaries

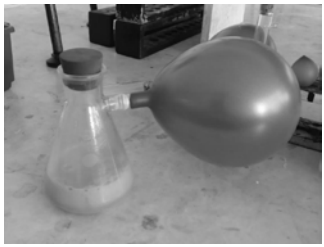
Britt Damm Wray, University of Copenhagen



Aurator is an interactive web platform for listening and speaking back to the privately recorded audio diaries of multidisciplinary experts who work in synthetic biology. In this experiment, several natural scientists, a social scientist, an artist, a biohacker, an entrepreneur, a watchdog, and a bioethicist were each sent an audio recorder in the mail as well as an open-ended question once a week for twelve weeks that asked them to reflect on their feelings towards synthetic biology, which users can listen and respond to with audio recordings of their own on the interactive platform. This is where science communication gets intimate.

Building a Modern Chemistry Set

Alice Williamson, University of Sydney; Annabelle Buda, University of Sydney



"Science and technology are practical subjects and demonstrations and experimentation go hand-in-hand with theoretical subject knowledge. Time pressures, limited resources and low confidence are among reasons cited for minimal practical content in schools. Inspired by the success of 'meal kit' services that deliver subscribers food ingredients and recipes for preparation into fresh meals, The Modern Chemistry Set team has done the same for science. We are building a 'science kit' service for primary school teachers with 'ingredients' and 'recipes' that are ready to be cooked up into a nourishing inquiry-based science lesson."

Collaborative Explorations

Peter J. Taylor, UMass Boston

Collaborative Explorations (CEs) aim to support and build trans-national community beyond formal programs of study and engage participants in deep and meaningful self-directed learning inquiries. Since 2013, the graduate programs in Science in a Changing World and in Critical & Creative Thinking at UMass Boston have hosted more than 30 CEs with participants across the globe.

Confidentiality, Openness, and Attribution: Creating Pedagogical Spaces for Earnest Exchange About Science & Science Policy

Eric Kennedy, Consortium for Science, Policy, and Outcomes - Arizona State University; Matthew Harsh, Concordia University

Science Outside the Lab North offers an eight-day immersion into the world of science policy for graduate students of all disciplines. The program is built around in-depth, in-person interactions with actual policy makers, museum curators, science journalists, and politicians. In this session, we reflect on the difficulties of engaging these professionals in candid, open dialogue about their experiences and views; the use of modified Chatham House Rules as a pedagogical strategy; and the ongoing challenges in using these rules to support effective learning.

Delayed Justice: the RCA Lawsuit

Wen-Ling Tu, Wen-Ling Hong, Yi-Ping Lin, Shiang-Yao Liu, Hsin-Hsing Chen, Chen-Yung Lin, Chung-Hsi Lin, Yuan Yuan

The court found one of the largest transnational high-tech companies of the 20th century liable for workplace chemical exposure of its employees in Taiwan between 1969 and 1992 that caused cancers and other serious health damages. The two decade-long RCA struggle has involved thousands of victims and volunteers, including many STSers and scientists from various disciplines, and culminated into the largest and most science-intensive lawsuit in the judicial history of Taiwan.

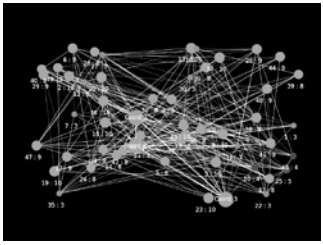
Digital Futures of Karang Guni Recycling in Singapore

Lyle Fearnley, Singapore University of Technology and Design

Singapore's last remaining landfill will be full in 2035. Two decades ago, the government introduced a National Recycling Program to increase domestic recycling rates, yet recycling remains low. However, Singapore also has a longstanding informal recycling sector, known as karang guni. Modernization narratives suggest that large-scale, centralized, big-technology – such as Material Recovery Facilities (MRFs) – will outperform and replace the informal karang guni. This presentation describes an experiment drawing on participatory design practices to introduce a mobile app platform into the karang guni system.

Experimenting Sociotechnical Resilience

Sulfikar Amir, Nanyang Technological University; Fredy Tantri, Nanyang Technological University; Justyna Katarzyna Tasic, Nanyang Technological University



Informed by the STS sociotechnical framework, this presentation exhibits the construction of resilience through a hybrid entity whereby social, organizational, and institutional conditions are combined with the state of technical and material durability. The presentation aims to experiment with sociotechnical resilience, drawing on Amir and Kant's (2018) characterization of sociotechnical resilience in three terms, namely sociomaterial structures, informational relations, and anticipatory practices. These three aspects of sociotechnical resilience are translated into an agent-based model built upon the actor-network approach.

How Do We Recognise Soil Organisms?

Anne O'Brien, Australian Catholic University

In my interactive exhibit I invite participants to examine how organisms that create soil and mediate decomposition become evident, through intentional or unintentional means. Using magnification tools and pictures, as well as by compiling stories of “mishaps” in which compost efforts have “gone wrong,” I seek to inventory different kinds of encounters that make evident the “interface” between humans and the organisms that we depend upon in decomposition and the production of soil. How does this relationship become ethically charged? When might it inspire recognition and care?

Human/ Plant Borderland Jamming

Emily Crawford, Composting Feminism

A sensory, haptic tactical intervention to assist in the unsettling of our relationships with plants. Developing the concepts of “multispecies jamming” and “DIY violence,” a performative intervention grapples with the presumption that difference translates to ontological separation. This consumable pop up requires a valuing of plants beyond human use, opening ourselves up to embodied, vulnerable ways of ingesting stories and cross species relationships. How do practices of affective grounded care intersect with violence in ways that may develop tools and methods to compost the Anthropocene with plants front of mind?

ImaginAging - Plausible Futures of Healthy Aging in an Urban Setting

Clarissa Ai Ling Lee, Emmanuel Tsekleves, Lau Sian Lun, Sabir Giga, Hwang Jung Shan, and Yong Min Hooi

A multi-modal digital performance and accompanying poster will showcase the making and doing process that the Imaginaging team from Malaysia and Lancaster has deployed into a research project on healthy aging in an urban setting. The presentation will showcase the development of situated expertise and situated knowledges in relation to other forms of knowledge and interactional expertise; this is done through the deployment of the end product of design fictions co-created with the subjects of the research project.

Introducing My Laboratory: The Lab-Life Simulator

Hanbyul Jeong, KAIST

"Introducing My Laboratory: The Lab-Life Simulator (IML)" is a board game developed by Engineers and Scientists for Change (ESC) in South Korea. It aims to simulate a social life in university laboratories so that the players can have a virtual experience of being a graduate student. IML suggests that designing and playing a game can effectively communicate the insights from STS on the influence of power, money, and policy in scientific research and education. The developers expect that the game also provides citizens and experts with easy access to share their expectations and experiences in science.

Life of Things Project: Piloting Antidisciplinary Co-creation of Knowledge and Care

Alexandra Endaltseva, L'École des hautes études en sciences sociales / Linköping University; Yannick Michaud. Nuit(s) Blanche(s) film director

The installation immerses 4S participants into the Life of Things Project, a collaborative performative intervention into the topics of care, human-thing relationships, and disability in Moscow, Russia. The aim is to expand Life of Things Project with an international STS reflection. I recreate the stages of the antidisciplinary inception of the project; imitate the photostory exhibition of the relationships among humans, things, and disability; and invite to join the public discussions of the project held in Moscow through the means of translated summaries and video background.

'Lift Me Up!' Engaging Publics through Film

Lina Ingeborgrud; Ivana Subotićki, Norwegian University of Science and Technology; Vivian Anette Lagesen, NTNU; Jonas Hustad, Brillefilm

"We intend to experiment with our short STS documentary entitled 'Lift me up! A story about Trampe the bicycle lift'. The goal of the film is to introduce STS concepts, such as domestication, through an engaging case study. We want audiences to watch the film and explore how watching instigates further analysis and debate about technology and society relations."

Karrabing Filmmaking and the Aesthetic of Survivance

The Karrabing Collective and Elizabeth Povinelli, Colombia University

Most Karrabing live on a rural Indigenous community in the Northern Territory with low or no income. Their films and art works represent their lives, create bonds with their land, and intervene in global images of Indigeneity. They develop local artistic languages and forms, while allowing audiences to understand new forms of collective Indigenous agency. Their medium is a form of survivance – a refusal to relinquish their country and a means of investigating contemporary social conditions of inequality.

Meaning from Monitoring

Gwen Ottinger, Drexel University

Meaning from Monitoring aimed to prototype a more empowering information infrastructure for communities with access to real-time air monitoring data. Intended to surface new insights from data and possibilities for action, airwatchbayarea.org has been of limited use in environmental justice activism, which may not call for additional data. Better aligning data with activists' strategic analyses requires attention to the ways that data infrastructures, including those intended for systemic change, tend to reinforce technocratic frames.

'Nuclear': Creative Arts Exposing Humanitarian Impacts of the Atomic Bomb, using immersive digital projections

Paul Frederick Brown, University of New South Wales

Involving over 50 creative artists, Alphaville Arts produced multi-arts storytelling by atomic survivors, indigenous communities, service personnel and civilians affected by atomic testing. Includes two immersive projections: 'Ngurini' (searching) – forced relocation and intergenerational response of Pitjantjatjara Anangu after Britain's atomic testing at Maralinga in South Australia – and '10 Minutes to Midnight' – re-imagining the Maralinga experiments using archival material and surround sound.

Nuclear Deferral

N.A.J. Taylor, The University of Melbourne

With the detonation of the first nuclear weapon on July 16, 1945, we irreversibly entered the nuclear age. When people think about our shared nuclear future today, they tend to employ one of two, competing, narratives. In one vision we humans – and perhaps everything – are violated and dies. In the other, life thrives because Earth is either in a state of nuclear peace or is denuclearized. Taylor's Nuclear Deferral intervenes in this discourse by bringing into view a third and fourth possible future, in which nuclear harm is inflicted on Earth and its inhabitants from either above or below. On at least one of these nuclear endings we can be certain.

Open and Collaborative Science in Development Network: Managing and Synthesizing Diverse Open Science Projects

Angela Crandall Okune, University of California, Irvine; Becky Hillyer, OCSDNet; Denisse Albornoz, OCSDNet; Alejandro Posada, OCSDNet; Leslie Chan, University of Toronto - Scarborough and OCSDNet

This exhibit reflects on the action research process of running and studying a diverse network of 12 heterogeneous projects, widely distributed both geographically across a variety of social, economic and political contexts and intellectually across domains as distinct as botany, climate change, education, law, intellectual property, and the hacker/maker movement. The coordination team of the Open and Collaborative Science in Development Network (OCSDNet) will share their process of building a shared vocabulary and set of principles across these diverse projects and also on their process of developing a meta-synthesis of the 12 projects based on a grounded theory approach.

Performing Knowledge Traditions In Accordance With The Transnational Stems and Branches Calendrical Clock (Southern and Northern Hemispheres)

Rey Calingo Tiquia, University of Melbourne

In the Stems and Branches Calendrical Clock SBCC (Northern and Southern Hemispheres), yin embraces yang, one element embraces the other four elements/agents/phases and one trigram and hexagram embraces the other seven trigrams and sixty three hexagrams of the Book of Changes; north embraces south, east embraces west, the heart-mind embraces the body while the physical embraces the spiritual; the 24-hour astronomical time system embraces the 24 sub seasonal phases or solar term ershisige jieqi; the Gregorian Calendar months embraces the sexagenary lunar months of the traditional Chinese calendar and the human endogenous organ systems 'wu zang liu fu' and their corresponding merdian/acutract embrace the triad of the Earth, Heaven and Humanity 'tian di ren'.

Playful Systems

Alexander Holland, University of Melbourne

The session explores the intersection of design and technology as a method to engage complex systems. Using insights generated from racing colonies of virtual mould across parks and codesigning bike infrastructure through digital games, it will produce an interactive performance. Extending the research into visualisation, interactivity and simulation, this event will examine what can emerge when design moves away from making static objects and instead playfully immerses stakeholders into integrated socio-cultural systems.

Remote Knowledge and Engagement

Julian Rutten, The University of Swinburne

What does it mean to be in-place within the technosphere? This research explores the potential for interactive and embedded technologies to meaningfully engage citizens with contemporary ecosystems and ecological processes. Understanding a place is a unique combination of social, technical, natural, and political arrangements. Distributed sensors, machine learning algorithms, and community engagement enhance our ability to understand the complexity that occurs at a local scale. This research explores the potential for these methods to enhance existing practices of ecological restoration.

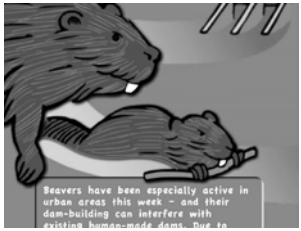
Science (Is Not) Fair: Interrogating Queerness and Biomedicine through Art, Event, and Critique

Stephen Molldrem, University of Michigan; David Nasca, Artist; Kate O'Connor, University Of Michigan, Ann Arbor

Science (Is Not) Fair is a one-day hybrid art exhibition and academic symposium that focuses on how queer identities and bodies are shaped, affected, and often ignored by science, design practices, and biomedical systems. Our booth will include process visualizations and copies of an open-source "Manual for Instigating Queer or Otherwise Radical Science Fairs: A Guide for Hustlers and Program Managers." This "technical assistance document" will be written as a "Health Fair Manual," a genre of public health grey literature.

SCOT, The Board Game. Taking It To The Next Level

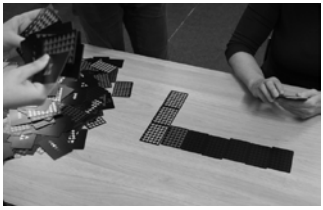
Sally Wyatt, Department of Technology and Society Studies, Faculty of Arts and Social Sciences, Maastricht Univer; Alexandra Supper, Maastricht University



We explore the medium of a board game as a way of introducing pre-university students to some of the core ideas of the social construction of technology (SCOT). The objective of the game is for different relevant social groups to work together (or not) to build dams in the Netherlands. Conference participants will be invited to generate further ideas for characteristics of relevant social groups and for events that will affect the definition of the problem to be solved, the interpretative flexibility of different solutions and closure mechanisms.

SCRaMbLing Human-Yeast Relations: A Methodological Experiment as ArtiSTS

Tarsh Bates, The University of Western Australia; Erika Amethyst Szymanski, University of Edinburgh; Devon Ward, Symbiotica, University of Western Australia



We present an interdisciplinary art-STS exploration of the texture of a peculiar interspecies meeting known as SCRaMbLE, through which human biological engineers relinquish control over synthetic biology design processes and ask yeast to devise their own solutions to environmental challenges. Our work exploring SCRaMbLE through a card game speaks to how art and STS scholarship can together explore affective dimensions of shared research questions in ways not bound by the conventions of scholarly discourse.

Step Right Up! Performing participatory practice

Alice Wendy Russell, Australian National University

This contribution will involve a series of conversations orchestrated and facilitated by the presenter but made and done by conference delegates who participate. The contribution seeks to demonstrate 'care', 'assembling' and the contingent and emergent nature of participation in practice. A reflection at the end will draw on STS insights and experiences from other conversations in other places. A schedule will be posted of topics and matched methods (e.g. Deficit and Expertise – fishbowl; Responsible Rhetoric in Transnational Comparison – forcefield analysis; Running out of Critique – appreciative group work).

Technology in a Shared Home

Laura Parraga Gonzalez, Freelance User Experience Researcher

The idea of a 'smart home' has recently caught the attention of many scholars, journalists and marketeers who think of 'smart homes' as environments offering unprecedented connectedness and control over living spaces. But 'smart' appliances and devices are, in many contexts, already part of people's homes. In this project, I take one of these devices, a so called 'smart meter', as a starting point to explore not only the concept of a smart home 'put into action' in a specific household, but to also look at the way we can think (anthropologically) about the changes and transformations set in place by those technologies.

The Stories We Tell: Growing Up in High-tech Medicine

Nadine Tanio, UCLA, Graduate School of Education and Information Studies

My work explores how young heart transplant patients envision, articulate and navigate their transition from pediatric to adult medical care, from childhood to adulthood. I share work from an ongoing collaborative youth media research project that explores how young people transition, translate, and transform their personal experiences to shared situated knowledge. Through video shorts crafted to teach others (peers, medical and family caregivers, other transplant patients and educators) and a discussion of storytelling practices, I reflect on how narratives of positionality, of practice, and of pedagogy create communities for learning and living within the transitory spaces of high-tech modern medicine.

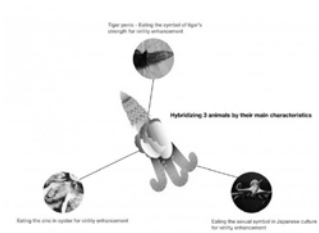
The Visual Matrix – A Participatory Psychosocial Method for Investigating the Experience of Art Science Exhibitions

Lizzie Muller, UNSW; Lynn Frogett, UCLAN

This is an STS Making and Doing presentation which will be run as a standalone event prior to the formal opening of the STS M&D session. The Visual Matrix is a psychosocial group-based method designed to investigate shared aesthetic experiences. It is led by imagery and affect and aims to capture emotional, aesthetic and cognitive aspects of audience responses to objects or processes, and their impacts on individuals and communities.

Tiger Penis Project

Kuang-Yi Ku, MA Social Design, Design Academy Eindhoven, Netherlands



There are some alternative medicines in different cultures, and their effects sometimes cannot be proved by scientific researches. They are usually even regarded as cultural myths, such as tiger penis for virility in traditional Chinese medicine (TCM). And the huge demand of wild animal parts as TCM results in increasing endangered animals. However, TCM still could contain a certain value which differs from mainstream western medicine. Using non-western perspectives of speculative design, this project proposes new forms of creating artificial animal parts by emerging biotechnologies for Chinese medication in the future which will help to avoid putting in danger more animals. By combining Western and TCM together, the methodology of this hybrid medicine provides more possibilities for the human society and natural environment.

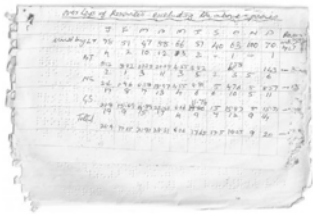
Transforming the Standard Blackbox of Time

Barbara Bok, Swinburne University of Technology

With this prototype exhibit I want to intervene in the invisible but ubiquitous work that is constructing contemporary (standard) time that is embedded in STS scholars' practices and the phenomena they study. It is part of my project of transforming people's relationships with the future by generating opportunities for remaking the work of standard time. An array of displays of time-making accounts makes the work of constructing and imposing standard time perceptible. Activities stimulate participants to identify characteristics of standard time, examine and reflect on the effects of different time-constructing practices, and uncover unacknowledged assumptions and effects as they explore new time-making practices.

Ways of Seeing

Venkat Srinivasan, Archivist



The best indication to the vitality of an archive is its ability to shed light on context and process, and on the connections between memory, database and the narrative. The word that connects all these ideas to the archival object is annotation. It is through annotation/classification that we come to understand how memory can be boxed into an archival object, and it is through annotation/description that we begin to realize how an archival object can sit in diverse narratives. We are working on two digital tools to display this. One is Milli, a story building portal. Another is Specere, a dynamic and weighted annotation tool.

where are the end-ups?

Sankalp Bhatnagar, The New School

This presentation formulates three concepts—end-ups, else-organising systems, second-order users—in order to confront challenges of design, in relation to its unintended consequences on institutions throughout society.

Art+Science Short Film Program

2pm – 5pm from 30 August – 1 September 2018

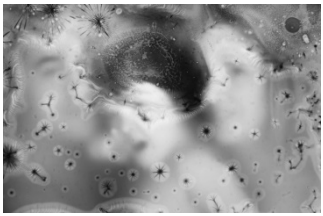
Kings Cinema - Museum of Arts and Applied Sciences

Art+Science storytelling converge in this curated program of inventive short-films from around the world. Bringing together the factual, the fictional and the fabulated, the selected films explore past and present-day curiosities, wonderful oddities, imaginative scientific practices, and diverse ways of knowing and being.

The 4S Sydney Short Films Program is curated by Juan Francisco Salazar, and will be held at the Kings Cinema, an art deco cinema in the style of the 1930s located in the Museum of Arts and Applied Sciences, Sydney.

SPONSORED BY: Society for Social Studies of Science, Museum of Arts and Applied Sciences and Western Sydney University.

Hybridities: Almost Other



Günes-Hélène Isitan (Canada, 2017, 3:08)

Growing a multispecies image of our body-subject. Hybridities: Almost Other seeks to present revealing "biometric auto portraits" evoking both our human face and our invisible evolutionary counterpart, our microbiota, in order to re-evaluate what being human really means.

Einsten-Rosen

Olga Osorio (Spain, 2016, 9 min)

Summer of 1982. Teo claims he has found a wormhole. His brother Óscar does not believe him - at least not for now.

Diamonds for my Ants

Karina Vilenkina (Russia, 2016, 15:22)

Diamonds for my Ants - an awe inspiring story of Andrey Pavlov, who became disabled at the age of 50, but found the courage to start over and now his photographs of ants are famous worldwide.

Kosmos

Ting Tong Chang (Taiwan, 2017, 10:25)

Entangling real and fictional, Kosmos starts from the Francis Crick Institute's scientist Ravi Desai's archaea project. It then travels back to 19th century naturalist explorers. Drawing comparisons between the microscopic scale of "archaea molecular machines" and astronomical events in the cosmos, the project reflects the shift in the history of science from singular investigators (little science) to increasingly large, multinational and interdisciplinary institutions (big science).

Um Campo de Aviação (An Aviation Field)

Joana Pimenta (Portugal/USA, 2016, 14 min)

An aviation field in an unknown suburb. The lake underneath the city burns the streets. The mountains throw rock into the gardens. In the crater of a volcano in Fogo, a model Brazilian city is lifted and dissolves. Two people find each other in this landscape, 50 years apart.

Epitaphs of the Common Mud

James Ravinet (UK, 2015, 10:00)

In June 2015, the wreck of a 40ft, 12 ton Thames Bawley was dug out of the mudflats at Leigh Marshes in Essex, by artists YoHa and Critical Art Ensemble in a project called Graveyard of Lost Species (2015). The boat, originally built in 1933, was then bought to the beach at Belton Way, Leigh-on-Sea. Visible to the public along a main thoroughfare, individuals were then lead to actively contribute and enquire upon historical misrepresentation or situational knowledge (referred to as 'Lost Species').

Timelapse

Aleix Castro (Spain, 2016, 11 min)

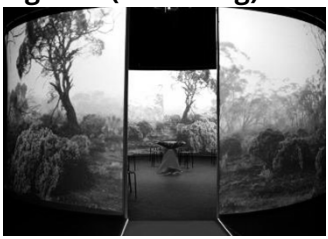
In the near future, a neuronal implant has been developed to automate mechanical work. The person with the implant remains unconscious during the time the implant is active. Laura, a factory worker, refuses to implant the microchip. Their friends and whole society will gradually adopt this new way of life: small fragmented time lapses.

Grassroots

Frank Oly (Australia, 2018, 19 min)

As a soil specialist, Guy Webb has spent years searching for ways to improve the health of Australia's degraded farming soils. When he stumbles upon a piece of microbial research that is a breakthrough in soil science, he inadvertently becomes responsible for ensuring that this essential knowledge is not lost. With the help of the farmers around him, he sets himself the challenge to take scientific knowledge and transform it into a practical technology to be used across the globe. Grassroots follows Guy Webb and his friends, unlikely heroes on a quest to bring a genuine climate change solution to the world.

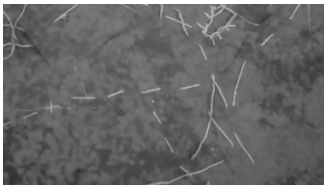
Ngurini (Searching)



Paul Brown (Australia, 2016, 21 min)

Ngurini explores the forced relocation and intergenerational response of Pitjantjatjara Anangu in the aftermath of Britain's atomic testing at Maralinga in South Australia. It embodies community stories of landscape and migration, and is inspired by the resilience and hopes of current generations. This work is a collaboration between indigenous artists from Maralinga communities and visiting non-indigenous artists, all contributors within Alphaville's Nuclear Futures Partnership Initiative funded by the Australia Council for the Arts.

Xapirimuu and **Entre-Vidas: Bruno Latour**



Colectivo Orssarara

Xapirimuu: Dream the earth among clouds, so that the sky does not fall. Matter in an open and continuous generative state diverges and connects with the Yanomami notion of Xapirimuu, in English, to act as a spirit. We begin to inhabit the clouds, giving anima to previously silenced modes of existence; we let ourselves be possessed by them, by the voice of the wire, of the threads, that ask to resonate more and more.

Entre-Vidas: Bruno Latour: There is risk and catastrophe. There is impermanence. What can the images do in front of the forest that disappears? An encounter/ interview with Bruno Latour is cannibalized by a forest of sound and visual sensations. If there is no escape from the images, if we are images between images, they need to escape from us. Run away from the too human eye and ear that imprison them. There, where the forest becomes pure potency of life, of connection between-kingdoms, a forest of people, people of forests, bodies-ground-of-the-forest-paper.

Proxima B

Giulia Grossmann (France, 2017, 15 min)

A meditative exploration in a desolate natural environment that appears to emerge from a new world, this film confronts the landscape with music and poetry. We travel through the glaciers and lava fields of a forming world unspoiled by human activity.

Operation Crayweed

Stephen Oliver (Australia, 2017, 3 min)

This is a rare, uplifting, good news story about the ocean. In many parts of the world (including here in Australia), seaweed forests are declining or disappearing altogether, due largely to human impacts. Our aim is to help reestablish important seaweed forests onto reefs where they used to be to help encourage the return to Sydney waters of plentiful crayfish, abalone and other species. We have shown it works so we want to scale up!!

Science Archives of RCA Controversies

Taiwan Science, Technology & Society Association, Dong Tai Communication Co., Ltd

National Chengchi University (Taiwan, 2018, 48 min)

The film presents the two decade-long RCA struggle, which has involved thousands of victims and volunteers, including many STSers and scientists from various disciplines, and culminated into the largest and most science-intensive lawsuit in the judicial history of Taiwan.

Black Suns: An Astrophysics Adventure

Kelvin Z. Phillips (USA/ Australia/Japan 2017, 47 min).

A documentary about chasing eclipses and science dreams. It chronicles the lives of two globetrotting African American astrophysicists, Dr. Alphonse Sterling and Dr. Hakeem Oluseyi, as they follow the two solar eclipses that occurred in 2012. Dr. Alphonse Sterling of NASA, stationed in Japan, had early success in the US, but left his home country to further cultivate his wide-ranging interests. Dr. Hakeem Oluseyi of the Florida Institute of Technology, is a scientist who beat the odds of poverty, and a poor early education, to get where he is today. The film is hosted by award-winning cultural astronomer Dr. Jarita Holbrook.

4S 2018: Showcasing STS Across Borders

STS Across Borders Gallery Exhibit: Level 5 lobby, ICC Sydney Exhibition; Thursday and Friday, August 30-31; 9.00-10.30 am and 12.30-2.00 pm

4S Sydney Open Meeting, STS Across Borders: Recap and Next Steps: Saturday, September 1; 2.00-3.30 pm, Room E 3.10, ICC Sydney

STS Across Borders Digital Collections: http://stsinfrastructures.org

Twitter: #STSAB18

STS Across Borders is a special exhibit created to help advance the intellectual diversity and international character of 4S and STS by showcasing STS formations from different regions, diasporas, and genealogies. The exhibit helps realize the theme of 4S's 2018 annual conference, TRANSnational STS. The exhibit will be installed gallery-style in Sydney. The exhibit's digital collections are hosted at stsinfrastructures.org and will remain open access, with features that facilitate use in teaching and dialogue between different STS communities.

Collections within the STS Across Borders exhibit focus on STS in Australia, Chile, Japan, India, and Turkey (for example), on different STS journals, and on various STS departments and centers. These collections explore different ways STS has developed across time and space, and the structures, infrastructures, and systems that have allowed – or worked against – the cultivation of STS modes of thinking.

STS Across Borders also includes an institutional history of 4S itself. Founded in 1975, the evolution of 4S has been an important index of the development of STS as an interdisciplinary research field. Using multiple, interlaced timelines, the exhibit documents 4S activities as well as various currents that have shaped the scholarly character of 4S and STS. The exhibit includes a dedicated timeline focused on the 2018 winner of 4S's Bernal Prize, Trevor Pinch.

STS Across Borders digital collections are made up of shadow box-like displays of text, images, audio, and video recordings. The gallery-style exhibit in Sydney includes selections from the digital collections presented as ensembles of small posters. On the first day of the gallery exhibit (Thursday, August 30), posters will be installed as exhibitor-designed collections. On the second day of the exhibit (Friday, August 31), posters will be reassembled by the STS Across Borders Design Group to draw out comparisons across different STS formations. Posters installed for the gallery exhibit will be archived online (at stsinfrastructures.org) as photo essays and as downloadable pdfs. STS Across Borders posters have been imagined as being freely reproducible for easy display and reuse in varied contexts.

STS Across Borders has many experimental dimensions – in the way it draws STS researchers into collaborative, comparative work, in the way it is archiving and curating the history of the field, and in the way it asks exhibitors to characterize distinctive modes of STS while also drawing out diversity within any particular STS formation. We will also be experimenting with a new form of review – that we've

called an “elaborative review” – that asks reviewers to suggest what could be added to or elaborated in a collection to better convey the history, context, and dynamics of the particular STS formation under consideration. Review commentaries will be public and become part of the collection reviewed.

STS Across Borders is designed to stimulate interaction across different regional and intellectual formations of STS, and to generate infrastructures – of collection, collaboration, circulation, and review – that can enable and support those interactions. To reflect on these and other matters, we are organizing an open discussion session at 4S Sydney on Saturday, Sept 1, 2.00-3.30 pm, STS Across Borders: Recap and Next Steps.

We look forward to seeing many conference delegates throughout 4S Sydney!

Aalok Khandekar, STS Across Borders Curator

Exhibits

East Asian Science, Technology, and Society: An International Journal
Wen-Hua Kuo (National Yang-Ming University, Taiwan)

Australian STS Genealogies
Nicola J Marks (University of Wollongong, Australia), David Mercer (University of Wollongong, Australia), Ranjan Chaudhary (Australian National University, Australia), Joan Leach (Australian National University, Australia)

iHub Research (2011 - 2017): A Critical Technology Action Research Group Within Nairobi's Flagship Tech Innovation Hub
Angela Okune (University of California Irvine, U.S.A.)

Science and Democracy in India: Tracing Genealogies
Shiju Sam Varughese (Central University of Gujarat, India), Nishanth K S (Indian Institute of Technology Hyderabad, India)

STS at Deakin University
Thao Phan (University of Melbourne, Australia), Emma Kowal (Deakin University, Australia), Benjamin Nicoll (University of Melbourne, Australia)

STS in "Africa" in Formation
Angela Okune (University of California Irvine, U.S.A.), Aadita Chaudhury (York University, Canada)

STS in Anthropology at the University of California Irvine
James Adams, Maggie Woodruff, Kim Fortun, Angela Okune, Nandita Badami, Taylor Nelms (University of California Irvine, U.S.A.)

A Media Archaeology of STS in Turkey: Archives, Universities, and Collective Culture
Duygu Kasdogan & Ebru Yetiskin (IstanbuLab – Science, Technology and Society Platform in Turkey, Turkey)

Anthropologies of Science and Technology in Japan
Miho Ishii (Kyoto University, Japan), Shuhei Kimura (Tsukuba University, Japan), Gergely Mohacsi (Osaka University, Japan), Moe Nakazora (Hiroshima University, Japan), Miki Namba (Hitotsubashi University, Japan), Grant Jun Otsuki (Victoria University of Wellington, New Zealand), Yoko Taguchi (Hitotsubashi University, Japan)

Caminata por la Ciencia en Panama
Alberto Eduardo Ramirez (University of California Irvine, U.S.A.)

Everyday STS: The Rensselaer STS Spice Rack
Nancy D Campbell, Hined Rafeh, Alli Morgan (Rensselaer Polytechnic Institute, U.S.A.)

STS@NottmDiasporas: Openness as Ethos and as Topic
Sujatha Raman (Australian National University, Australia), Brigitte Nerlich (University of Nottingham, U.K.), Alison Mohr (University of Nottingham, U.K.), Eleanor Hadley Kershaw (University of Nottingham, U.K.)

From Activism to Academia: STS in Korea
Kim Heewon (Korea Advanced Institute of Science and Technology (KAIST), South Korea)

Socio-Technical Geographies from the End of the World: A Story of STS in Chile
Martín Andrés Perez Comisso (Arizona State University, U.S.A.), Pedro Pablo Seguel (University of Texas at Austin, U.S.A.), Ronald Cancino (Universidad de la Frontera, Chile), Nicolas Sanhueza (Nucleus ANT-Chile, Alberto Hurtado University, Chile), Joaquin Zerene (Universidad Austral de Chile, Chile)

Animating STS @ Drexel University
Ali Kenner, Eliza Nobles (Drexel University, U.S.A.)

Science & Technology Studies
Salla Sariola (University of Turku, Finland), Prerna Srigyan (Independent Researcher, India)

STS Publications
Aalok Khandekar (Indian Institute of Technology Hyderabad, India), Duygu Kasdogan (IstanbuLab – Science, Technology and Society Platform in Turkey, Turkey), Alberto Eduardo Ramirez (University of California Irvine, U.S.A.), Noela Invernizzi (Universidade Federal do Paraná, Brazil), Martín Andrés Perez Comisso (Arizona State University, U.S.A.)

4S Across Borders: An STS Timeline
Joseph Klett (Science History Institute, U.S.A.)

STS USA
Maggie Woodruff, James Adams, Kim Fortun (University of California Irvine)

Sub-plenaries, Lunchtime Workshops, Meet-ups, and other Special Events

4S 2018: Making History!

4S, collaborating with the Science History Institute, will feature an Oral History Booth at this year's annual meeting in Sydney. Scholars will respond to a brief series of questions about their participation in STS and a video of their responses will be relayed to monitors in public spaces of the meeting. The goal is to jump-start a deep history of STS and 4S as well as dialogue about how such a history should take shape. If you would like to nominate a scholar for interviewing in Sydney – or for the longer term project on the history of STS – please contact Joseph Klett (jklett@sciencehistory.org).

4S: Listening Across Borders with Alexandra Lippman

What does TRANSnational STS sound like?

STS scholar and DJ Alexandra Lippman will help open the Sydney conference with performances at both the Presidential Plenary and opening reception. Inspired by the practices of Mexican sonideros (DJs), Lippman will share and reflect on the baile (dance) as a transnational space of experimentation with technology, voice, and memory. During performances, sonideros mix songs and talk on the microphone to recite fans' saludos (greetings) to absent family and homelands. Performances produce auditory archives of memory, migration, and longing across borders. Working in the tradition of cumbia sonidera, Lippman will share Mexican reinterpretations of dance music from Colombia's Northwest. She'll also draw from her own field recordings, interviews, pirate compilations, and vinyl records to produce an expressly migrant and transnational mode of sonic communication. Lippman has a PhD in Anthropology from the University of California, Irvine, and recently completed postdocs at the Universities of California, Davis and UCLA, continuing her research on alternative and open intellectual property practices. Lippman founded the Sound Ethnography Project, produced and curated ¡Un Saludo! Mexican Soundsystem Cumbia in LA (a compilation of border-crossing music), and DJs as Xandão in the Dutty Artz collective and as co-founder of Discos Rolas.

See Lippman's work written about in *The New York Times*, *L.A. Weekly* and *The FADER*.

Wednesday

9:30 – 12:30 **Sydney Toxic Tour**

https://www.eventbrite.com.au/e/sydney-toxic-tour-4s-tickets-45850436891

This event will start out on a tour bus through Botany Bay –a site where citizen science and activism has emerged in response to industrial pollution. The tour bus will take participants and discussants to the Brick Pitt of Sydney Olympic Park and Rhodes Peninsula, where a Union Carbide plant manufactured DDT and Agent Orange for the Vietnam War. The event will involve a series of provocations related to intoxicated animals, haunting chemical traces, toxic methodologies, pharmakological ambivalences, and chemo-social formations.

9:00 – 11:30 **Sub-Plenary: STS Journal Roundtables**

ICC Sydney: Cockle Bay Room

In this session celebrating the award of the 2018 STS Infrastructure Prize to the editors of East Asia Science, Technology and Society: An International Journal, editors of diverse STS journals will participate in a dialogue moderated by 4S President Kim Fortun, recognizing the formative influence these journals will have on the field of STS in coming years. Roundtable participants will be asked to share their goals for their journals, how these goals have changed in recent years, past and anticipated challenges, and how they are positioning themselves in initiatives to broaden open access both to journals and to the data behind journal publications. Dialogue will also explore ways diverse STS journals can work collectively and synergistically, sustaining distinctive styles and missions while moving together to conceptualize and build supporting infrastructure. We will discuss potential roles for 4S in supporting a rich ecology of STS journals, and how 4S should partner with initiatives like Libraria and ELPub, and with movements for open scholarship and a knowledge commons.

11:30 – 13:00 **4S Graduate Student Journal Working Group**

ICC Sydney: Cockle Bay Room

We invite interested graduate students and early career scholars to join us for an engaged discussion about the grounding formation of a 4S Graduate Journal. Following from conversations between students at 4S Boston, this meet-up will provide an opportunity to brainstorm areas of focus for potential issues and to articulate roles and processes that are needed. Please contact Hined Rafeh at hinedr@gmail.com for further information.

15:30 – 17:00 **Sub-plenary: STS Across Regions: Honouring Diverse Scholarly Traditions**

ICC Sydney: Cockle Bay Room

STS has developed in different ways in different contexts around the world. In this session, leading figures from different geographic regions will share their experiences and perspectives. The session will extend engagement with the conference theme, "Transnational STS," and will complement the conference exhibition STS Across Borders. The session will be moderated by 4S President Kim Fortun.
Panelists: Emma Kowal (Australia), Hebe Vessuri (Latin America), Liu Bing (China), Sharon Traweek (United States), and Lesley Green (South Africa).

Thursday

12:30 – 14:00 **Indigenous STS Meet-up**

ICC Sydney: C2.5

A meet-up for indigenous and non-indigenous scholars who work on the wide range of 'Indigenous STS' topics. This might include those who research indigenous knowledges, settler colonial spaces, indigenous peoples' perspectives on science and encounters with scientific institutions, how scientific research and STS alike might be 'indigenised' and much more. Come along and meet others in this emerging field.

18:00 – 19:30 **Dyason Lecture**

State Library of NSW

https://www.science.org.au/news-and-events/events/dyason-lecture-2018

Helen Verran will be presenting the distinguished plenary lecture for the Australasian Association for History, Philosophy and Social Studies of Science (AAHPSSS).
In 1788 in what would in a few years become Sydney, not too far from the site where in 2018 a large group of scholars will meet to critically discuss the roles of sciences and technologies in modern cultures and societies, a group of sailors and soldiers danced with the strangers who had been warily awaiting them when they arrived on shore. Science and technology had also arrived, albeit to an extent unheralded. Of course, the strangers who at first hesitantly welcomed the group they assumed were mere temporary visitors, had their own highly elaborated traditions of knowing and doing that could with careful translation also have been understood as sciences and technologies. It is recorded in the colonial archive that as a start to that translation work, the two groups danced together. Each

presumably also showed the other how to dance 'properly'.
In this lecture I take this promising moment in which knowers in disparate traditions engaged each other with curiosity and respect, as occasion to articulate (another) originary moment in Australian STS.

20:00 onwards

Queer/STS Meet-up

The Beauchamp Hotel, Darlinghurst

https://www.eventbrite.com/e/queersts-meetup-tickets-47703662940

Come and socialise with other scholars and graduate students working at the intersection of STS and queer studies! This year's event will take place at The Beauchamp Hotel (upstairs bar) – a welcoming bar in the middle of Darlinghurst, the historic centre of Sydney's LGBTQ community.

Friday

11:00 – 12:30

2018 Bernal Prize: A Conversation with Trevor Pinch

Please note that Trevor Pinch will be participating virtually for this session.

ICC Sydney: Parkside 1
The 2018 Bernal Prize has been awarded to Trevor Pinch, Goldwin Smith Professor of Science & Technology Studies at Cornell University in the United States. Along with a wide and expanding network of colleagues, Pinch's work on the social construction of technology (SCOT) has shaped scholarship in STS for close to four decades. This work has opened a space for empirically oriented social, cultural and historical analyses of technology to successive generations of scholars. At the same time, Pinch's own research focus has continued both to deepen and to change, moving most recently into the sociotechnologies of sound. This session will feature a screening of a recorded conversation with Trevor Pinch introduced by Lucy Suchman (Chair of the 2018 Bernal prize committee), and followed by responses from Pinch (joining us remotely from Ithaca, New York) and three colleagues reflecting on Pinch's contributions to his students, his colleagues, and the field.
Panellists: Simone Tosoni (Università Cattolica del Sacro Cuore, Milan), Chia-Ling Wu (National Taiwan University, Taipei); Sally Wyatt (Maastricht University, The Netherlands).

12:45 – 13:45 **Pseudoscience in Popular Culture: A Musical Conversation**

ICC Sydney: C2.1

In the American "Dust Bowl" of the 1930s, a record-breaking drought, the opening of a fragile ecosystem to exploitation, greed and poverty, the rise of industrial agriculture, and the rise of global commodities trade conspired in the ruination of a 100 million acre grassland. What role did pseudoscientific theories play in guiding or unleashing these events? Where do we see similar processes going on today? In this informal and unpredictable session, 4S Administrator Steve Coffee and a band of intrepid Aussie folkies will present a musical response to the Dust Bowl, with commentary and discussion led by Science Journalism Professor Susan Swanberg (University of Arizona) and Matthew Kearnes, conference Co-chair and member of the Environmental Humanities Group (UNSW). Bring a lunch and join the fun!

13:00 – 14:00 **Arts + Science Dialogues: The Karrabing collective and filmmaking as survivance**

ICC Sydney: C2.5

The Karrabing Film Collective is a grassroots Indigenous based arts and film group. In Emmiyangal, "karrabing" refers to the saltwater tide when it reaches its lowest reach. There is nothing "low" about the tide reaching karrabing. All kinds of potentialities spring forward. For Karrabing, their medium is a form of survivance – a refusal to relinquish their country and a means of investigating contemporary social conditions of inequality. We will screen a new Karrabing film: The Mermaids, or Aiden in Wonderland (2018). A virtual discussion and Q&A session with Beth Povinelli and her collaborators, chaired by Eben Kirksey, will follow.

13:00 – 14:00 **Australian-French STS Researcher Networking**

ICC Sydney: C2.4

This is a networking event for French and Australian STS researchers interested in building links. The event is sponsored by the Australian-French Association for Research and Innovation (AFRAN).

Saturday

11:00-12:30	**STS Across Scale: 4S Meets Regional STS Organizations** *ICC Sydney: C2.3* 4S is an international society, linking STS scholars around the world. In this session, representatives from regional organizations will participate in a roundtable dialogue, moderated by 4S President Kim Fortun, to consider how 4S can best support and partner with regional STS organizations.
12:30 – 14:00	**Ethnografilm Program** *ICC Sydney: C2.5* Best of short films from Ethnografilm Paris. More details at Ethnografilm.com
12:30 – 14:00	**Transformed Academic Careers** *ICC Sydney: C2.6* In recent years, mobility, competition and precariousness have become new standards across the academic labour market. The associated transformations of academic identities and career norms are gaining attention as subjects of debates and research. This session provides a space for researchers studying academic careers to informally meet and share current and future research questions as well as conceptual and methodological challenges.
16:00 – 17:30	**Special Event – STS in Practice: Activism, Algorithms and Accountability** *ICC Sydney: C2.3* Join us in one of the highlights of 4S – a conversation between data scholar Joan Donovan and Director of the Autonomy, Agency & Assurance (3A) Institute Genevieve Bell. See the flyer at the back of this program.
18:00 – 20:00	**6S Networking Social** *Gallon, Pyrmont* (Post-)graduate students and early-career researchers are invited to gather with the 6S representatives for informal conversation and refreshment after the conference closes. Come meet new and old colleagues, reflect on the conference, and relax after 3.5 intense days.

Wednesday, August 29

001. STS Journal Roundtables

Special Event
9:00 to 11:30 am
ICC: Cockle Bay Room
Session Organizer:
Kim Fortun, University of California, Irvine

002. 4S Graduate Student Journal Working Group

Roundtable Workshop
11:30 to 1:00 pm
ICC: Cockle Bay Room
Session Organizer:
Hined A Rafeh, Rensselaer Polytechnic Institute

003. Making and Doing Sessions

Special Event
1:30 to 5:00 pm
MAAS/Powerhouse Museum: The Lab and Powerhouse Learning Centre (PLC)
Session Organizers:
Teun Zuiderent-Jerak, Linköping University
Michaela Spencer, Charles Darwin University

004. STS Across Regions: Honoring Diverse Scholarly Traditions

Special Event
3:30 to 5:00 pm
ICC: Cockle Bay Room
Session Organizer / Chair:
Kim Fortun, University of California, Irvine

005. Welcome to Country and Presidential Plenary

5:15 to 6:45 pm
ICC: Cockle Bay Room
Participant:
Presidential Plenary address *Kim Fortun, University of California, Irvine*
Session Organizer:
Kim Fortun, University of California, Irvine

006. Welcome Reception

7:00 to 8:00 pm
ICC: Cockle Bay Room
Session Organizer:
Kim Fortun, University of California, Irvine

Thursday, August 30

007. Experiments in Infrastructure I

9:00 to 10:30 am

ICC: C2.1

Participants:

Directionality in Urban Infrastructure Experiments: Insights from the Resilient Melbourne Strategy *Sebastian Fastenrath, University of Melbourne; Lars Coenen, The University of Melbourne; Brendan Gleeson, The University of Melbourne; Kathryn Davidson, The University of Melbourne*

Engineering High-rise Living: An historical perspective on infrastructure experimentation and learning in Singapore (1960-1990) *Jane Margaret Jacobs, Yale-NUS College*

Household energy storage revolution: Agents of change - the influence of intermediaries in catalysing transition *Veryan Hann, University of Tasmania; Kate Crowley, University of Tasmania*

Innovation Districts - In Search for Backbones of Innovation *Jacek Gadecki, University of Science and Technology AGH; Karolina Anielska, National Institute of Spatial Policy and Housing; JU, Institute of Geography and Spatial Management; Ilona Morawska, National Institute of Spatial Policy and Housing; Lucas Afeltowicz, Institute of Sociology, Nicolaus Copernicus University*

Session Organizers:

Heather Lovell, University of Tasmania
Andrew Harwood, University of Tasmania

Chair:

Heather Lovell, University of Tasmania

008. Research Infrastructures, Digital Tools and New Directions in STS Research

9:00 to 10:30 am

ICC: C2.2

Participants:

Building a Community History of Biotech in the Bay Area *Joseph Klett, Science History Institute*

Data, Design and Democracy: Embedding the Ethics of Algorithms into Data Science Curriculum *Theresa Dirndorfer Anderson, University of Technology Sydney*

How Could Research Infrastructures Better Support Transdisciplinary Research *Yuanying Gao, National Academy of Innovation Strategy, CAST; Lili Qiao, National Academy of Innovation Strategy, CAST; Yuebao Di, National Academy of Innovation Strategy, CAST*

Ways of Seeing Memory, Database and the Narrative *Venkat Srinivasan, Archives, National Centre for Biological Sciences; Dinesh T B, Servelots Infotech Pvt Ltd; Bhanu Prakash, Servelots Infotech Pvt Ltd; Shalini A, Servelots Infotech Pvt Ltd*

Session Organizers:

Lindsay Poirier, Rensselaer Polytechnic Institute
Bradley Fidler, Stevens Institute of Technology

009. Us and Them: Sociotechnologies of Alterity/Otherness

9:00 to 10:30 am

ICC: C2.3

Participants:

Alterity and Temporality *Karen Barad, University Of California, Santa Cruz*

'Us' as 'Us and Them Here and Now': Language as Sociotechnology in Parliaments *Michael Christie, Charles Darwin University; Helen Verran, Charles Darwin University*

Processing Alterity, Enacting Polities *Annalisa Pelizza, University of Twente*

Hacking Digital Universalism: Ritual, Memory and Enacting Technocultural Futures in the Andes *Anita Say Chan, University of Illinois, Urbana-Champaign*

Apparatuses of Recognition *Lucy Suchman, Lancaster University*

Session Organizer:

Lucy Suchman, Lancaster University

010. STS Africa: Information Technology

9:00 to 10:30 am

ICC: C2.4

Participants:

Concurrent Mobile Telephone Concepts and Web Information Infrastructure and Digital Tools by Illiterate Yoruba Peoples in Benin Republic: Production of Knowledge for Communication and Learning *Aimé Dafon Segla, Université d'Abomey-Calavi*

Mobile and Social Networks *Wesley Shrum, Louisiana State University*

New Meditations on Something Old: Paper as Information and Communications Technology *Crystal Biruk, Oberlin College*

Modelling Modernity and How It Plays in the Market: Commercialising ICTs in Nairobi *Michel Wahome, University of Edinburgh; Matthew Harsh, Cal Poly; G. Pascal Zachary, Arizona State University*

Session Organizers:

Toluwalogo Odumosu, University of Virginia

Anne Pollock, Georgia Tech

Discussant:

Toluwalogo Odumosu, University of Virginia

011. Environmental Visualizations: Connecting Images, Knowledge, and Politics I

9:00 to 10:30 am

ICC: C2.5

Participants:

Corporate Environmentalism and the Making and Visualization of Environmental Knowledge *Louise Karlskov Skyggebjerg, Technical University of Denmark*

Public Deliberation on Water: The Case of Uruguay *Marila Lázaro; Isabel Bortagaray, Universidad de la Republica*

Geospatial Data, Citizen Science and Social Participation *Sarita Albagli, IBICT Brazilian Institute for Information in Science and Technology; Allan Iwama, Post-Graudate Program in Information Science/IBICT-UFRJ; Henrique Parra, Unifesp - Federal University of Sao Paulo; Hesley Py, Post-Graudate Program in Information Science/IBICT-UFRJ*

The Periphery on the Map? USA's Air Pollution Mapping and Analysis Program in South Korea *joohui kim, Seoul National University*

Session Organizer:
Alastair Iles, UC Berkeley

012. Global STS in Deglobalization of the World

ICC: C2.6

Participants:

Conceptualizing Global STS *Sulfikar Amir, Nanyang Technological University*

The Teaching and Learning of STS in an International Context *Bregham Dalgliesh, University of Tokyo; Isabelle Juliette Giraudou, University of Tokyo*

Transnational and Local: Reflections on Doing Collaborative STS in Turkey *Maral Erol, Isik University; Duygu Kasdogan, İzmir Katip Çelebi Üniversitesi*

Session Organizers:
Sulfikar Amir, Nanyang Technological University
Lyle Fearnley, Singapore University of Technology and Design

Chairs:
Sulfikar Amir, Nanyang Technological University
Lyle Fearnley, Singapore University of Technology and Design

013. Ethics of Science and Technology: A Transnational and Interdisciplinary Investigation

9:00 to 10:30 am
ICC: E3.10

Participants:

Urbanization and the Wilderness *tetsuya kono, Rikkyo University*

Technology and Collective Tacit Knowledge *Kiyotaka Naoe, Tohoku University*

A Framework for 21st Century Engineering Ethics Education *Balamuralithara Balakrishnan, Universiti Pendidikan Sultan Idris*

The Japanese Manufacturing or "Monozukuri" – How Can or Should We Globalize the Concept in the Globalized World? *FUMIHIKO TOCHINAI*

Hopes and Challenges of Transnational Neuroethics *Maxence Gaillard, Rikkyo University*

Session Organizer:
Hidekazu Kanemitsu, Kanazawa Institute of Technology

Discussant:
Hidekazu Kanemitsu, Kanazawa Institute of Technology

014. Transgressive Markets in Assisted Reproduction: Queering family construction in the 21st century

9:00 to 10:30 am
ICC: E3.2

Participants:

Reversing Infertility: The Political Economy of Family Building through Uterine Transplantation *Sayani Mitra, Institute of Medical Ethics and History of Medicine*

Frozen Eggs, Frozen Dreams: How Oocyte Cryopreservation in Urban India Alters Women's Approach to Family Formation *Priya Satalkar, Institute for Biomedical Ethics, University of Basel*

The invisible surrogate: Regulatory mechanisms and the erasure of the (re)productive presence of commercial surrogates *Rakhi Ghoshal, Unitedworld School of Law; Bronwyn Parry, King's College London*

Transnational surrogacy in the post-Soviet sphere: Geographic and geo-political stratifications amongst migrant and commuting surrogacy workers in Russia *Christina Weis, Centre for Reproduction Research; De Montfort University*

Session Organizer:

Bronwyn Parry, King's College London

015. Constituting the Health Research Participant: Value, Assetization and Data Practices in Health Research

9:00 to 10:30 am

ICC: E3.3

Participants:

Empowering or Exploiting Donors? Australian Stakeholders' Perspectives on the Ethical and Regulatory Challenges Associated with Biobanking *Miriam Wiersma, Sydney Health Ethics; Ian Kerridge, Sydney Health Ethics; Lisa Dive, Sydney Health Ethics; Edwina Light, Sydney Health Ethics, University of Sydney; Wendy Lipworth, Sydney Health Ethics, University of Sydney*

Participation and the "Good" Citizen: Using Routine Health Data for Research in National Health Service England *David Wyatt, Kings College London; Christopher McKevitt, King's College London*

Speculative Biodata, Materializing Value *Mary Ebeling, Drexel University*

The Ethics of Biomedical Research in Low Earth Orbit: The "Twins Study" on the International Space Station *Paola A Castano, Cardiff University School of Social Sciences*

Session Organizer:

David Wyatt, King's College London

016. Political Transformations of Developmental Origins of Health and Disease (DOHaD) and Epigenetics in the Global South 1

9:00 to 10:30 am

ICC: E3.4

Participants:

Eating Ariel Cake: DOHaD and Other Matter/ Space/Time Sensibilities in South Africa *Catharina Truyts, Sol Plaatje University*

Epigenetic Discrimination: Should We Be Concerned About The Use Of Epigenetic Information By Third Parties? *Charles Dupras, McGill University*

Epigenetic Maternal-Foetal Programming: Correlating Maternal Impression Discourses With Epigenetic Discourses to Address Mother-Blaming Attitudes *Clare Nicholson, UNSW Art and Design*

Epigenetics, gender and population futures: reading 'the first thousand days' from South Africa *Michelle Pentecost, Kings College London; Fiona Ross, University of Cape Town*

Indigenous epigenetics and 'postcolonial moments' *Megan Warin, University of Adelaide*

Session Organizers:

Megan Warin, University of Adelaide

Michelle Pentecost, King's College London
Fiona Ross, University of Cape Town
Maurizio Meloni, Deakin University

Chairs:
Megan Warin, University of Adelaide
Michelle Pentecost, Kings College London

017. Critical Digital Health Studies: Big Health Data and Algorithmic Authority

9:00 to 10:30 am
ICC: E3.5

Participants:

Algorithmic authority in the making: When the physiotherapist goes digital *Nete Schwennesen, Copenhagen University*

Digital Epidemiology, New Data and Old Models *Lukas Engelmann, University of Edinburgh*

Health Must Be Defended Algorithmically *Tzung-wen Chen, National Chengchi University*

Is big data reworking public health's "Prison of the Proximate"? *Niamh Stephenson, UNSW*

"You Must Click the Button and Donate": Online Crowdsourcing to Fund Unproven Stem Cell Treatments *Claire Tanner, University of Melbourne; Megan Munsie, University of Melbourne*

Session Organizer:
Deborah Lupton, University of Canberra

Chair:
Deborah Lupton, University of Canberra

018. How Do They Understand the Science? Communicating Science, Risks, and Disasters 1

9:00 to 10:30 am
ICC: E3.6

Participants:

Climate Change Risk Perception in Southeast Asian Countries *Midori Aoyagi, National Institute for Environmental Studies; Vu Quoc Huy, Institute of regional sustainable development, Vietnamese Academy of Social Sciences*

Communicating Uncertainty in Medical Genetics *Colin Halverson, Vanderbilt*

How Laymen Perceive Outbreaks of (Re-)Emerging Infectious Diseases: the Case of Poland *Lucas Afeltowicz, Institute of Sociology, Nicolaus Copernicus University; Michał Wróblewski, Nicolaus Copernicus University*

Knowledge and the Scientific Imagination: Does Experience Always Become Memory? *Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University*

Session Organizers:
Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University
Anto Mohsin, Northwestern University in Qatar

Chair:
Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University

019. Neurosocieties: Interdisciplinary Explorations of the Brain, Culture and Ethics 1

9:00 to 10:30 am

ICC: E3.8

Participants:

Brain-based parenting: caring for our kids' cortisol? *Celia Roberts, Lancaster University*

Cerebralizing Attachment: How Have Parent-Child Relationships Come to be Explained as Brain Facts? *Bican Polat, Tsinghua-Michigan Society of Fellows*

Neuroscience At Work: Neurobiology, Trauma and Feminist Work Against Sexual Violence *Suzanne Therese Egan, University of Sydney*

Ethical and Psychological Reasons Behind the Importance of Limits on Our Expectations of Neural Organoids *Anna Blum, UNSW*

Ethics and the Social Studies of Science in Neuroethics *Eric Racine, Institut De Recherches Cliniques De Montréal*

Session Organizer:

John Grant Gardner, Monash University

Chairs:

John Grant Gardner, Monash University

Cynthia Forlini, University of Sydney

020. National Identities and Transnational Science and Technology during the 20th century: Historical Perspectives

9:00 to 10:30 am

ICC: E3.9

Participants:

Producing 'the Company': Cultural Politics and the Crisis of Brazil's Embrapa *Ryan Nehring, Cornell University*

Identifying Essential Properties of Today's Science and Technology via Historical Perspectives *Yasushi Sato, Japan Science and Technology Agency*

National Biobank and Nation-building : The Case of Taiwan Biobank *Yu-yueh Tsai, Institute of Sociology, Academia Sinica; WanJu Lee, Institute of Sociology, Academia Sinica*

Session Organizer:

Barbara Silva, Universidad Catolica de Chile

Chair:

Barbara Silva, Universidad Catolica de Chile

Discussant:

William San Martin, Massachusetts Institute of Technology

021. Risks and Standards in the Knowledge Circulation of Science and Technology for Development

9:00 to 10:30 am

ICC: E5.1

Participants:

Calculation Automates the Decision: Contested Imaginaries of Real-time Radiological Simulation and Probabilistic Risk Assessment for Nuclear Emergency *Kohta Juraku,*

Tokyo Denki University; Shin-etsu SUGAWARA, Central Research Institute of Electric Power Industry

Expert debate on nuclear severe accident management standards: the case of corium treatment *Ismail Mael Goumri, IRSN*

Managing Protection: The Role of Health Physics in Shaping Radiation Risk Knowledge Paradigms *Shi Lin Loh, National University of Singapore*

PX project's Development in China: Recommendations for public involvement in decision-making *Kunru Yan, South China University of Technology; Michael Gorman, University Of Virginia*

The Public's Right to Know: Communicating the Science of Radiation Risks and Standards in Malaysia *Clarissa Ai Ling Lee, Sunway University*

When the lessons of an accident are known 40 years before it happens *Mathias Roger, IRSN*

Session Organizer:

Clarissa Ai Ling Lee, Sunway University

Chair:

Clarissa Ai Ling Lee, Sunway University

022. Automation and the Transition to the Robotocene: Towards a Robotocene?

9:00 to 10:30 am

ICC: E5.10

Participants:

Robotocene: Sociotechnical imaginaries of a robotic future *Roger Andre Søraa, NTNU*

On the Triple Construction of Robots, Human and Society in the Robotocene *Dazhou Wang, University of Chinese Academy of Sciences*

Reprogramming the Future in China: Robot Revolution *Daria Savchenko, Harvard University*

Algorithmic Care in the Robotocene: a Case Study from Japan *Adrian James Wright, University of Hong Kong*

Future Bodies: Telepresence Robots and Remote Collaboration *Andrew Glover, RMIT University*

Session Organizer:

Roger Andre Søraa, NTNU

023. Flammable Futures: Encountering Combustion in a Changing Climate 1

9:00 to 10:30 am

ICC: E5.3

Participants:

Fire as Companion Species: Speculative Futures in Fire Ecologies and More-Than-Human Relationalities in a Changing Climate *Aadita Chaudhury, York University*

Right Fire, Wrong Fire. Burning together with Country, evolving our culture with fire. *Den Barber, Koori Country Firesticks Aboriginal Corporation; Lauren Tynan, University of New South Wales; Michelle Bishop, University of New South Wales; Jeremy Walker, University of Technology Sydney*

Letting it Burn: Contesting 'Value' and Expertise in the Canadian Boreal Forest *Alex Zahara*

Making Live on Landscapes That Die: Prescribed fires in Canadian national parks *Colin Robert Sutherland, York University, Canada*

Session Organizer:

Timothy Neale, Deakin University

Chairs:

Lauren Rickards, RMIT University

Timothy Neale, Deakin University

024. Beyond Boundary Objects and Immutable Mobiles - New Ways of Thinking about the Movement of Knowledge I: Theoretical Perspectives of Knowledge

9:00 to 10:30 am

ICC: E5.4

Participants:

Hot Air and Hype? The Work of Events in Translating Socio-technical Imaginaries of Big Data *Michael Hockenhull, IT University of Copenhagen*

Where Everyone and Everything is a Boundary Object *Yasunori Hayashi, Charles Darwin University*

Digitising Language Practices - Boundary Objects in the Movement of Knowledge *Cathy Bow, Charles Darwin University*

User-Generated Content as a Sandbox for STEM Education *Rich Gazan, University of Hawaii*

A Non-Representational Description of the Craft Practice of Wire-Bending *Vernelle A Noel, Georgia Institute Of Technology*

Session Organizer:

Jenny Gleisner, Linköping University

025. STS Underground: Fieldnotes from the Pre-conference Workshop

9:00 to 10:30 am

ICC: E5.5

Participants:

Going Deep: Emerging Methods for Studying the Underground in STS *Abby Kinchy, Rensselaer Polytechnic Institute*

How and Why Cave Explorers Blast and Dig Underground Passages: A Comparative Perspective Across the USA *Maria Alejandra Perez, West Virginia University*

Machinery, memories, matter: The techno-geological worlds of small-scale miners in Bolivia *Andrea Marston, University of California, Berkeley*

New Energy Spaces; Energy From Magma And The Krafla Magma Testbed *Alexandra Gormally, Lancaster University*

What does extraction mean for the urban form? *Vanessa Lamb, University of Melbourne; Eli Asher Elinoff, Victoria University of Wellington*

Session Organizers:

Roopali Phadke, Macalester College

Abby Kinchy, Rensselaer Polytechnic Institute

Chair:

Matthew Kearnes, University of New South Wale

026. COMPOSTING Feminisms and Environmental Humanities 1: Decolonising Naturecultures

9:00 to 10:30 am
ICC: E5.7

Participants:

Can untangling globalised plant stories help us to compost and compose decolonisation? *Emily Crawford, Composting Feminism*

Valetudo: a cultural anti-venom approach *Nancy Mauro-Flude, RMIT*

Ecological perceptions: new growth from the soil of environmental knowledges in Oceania *Rachel Morgain, Australian National University*

Placenta To Go: Transcultural Birth Practices and Embodied Ecologies *Kara E Miller, California State University, Long Beach*

Session Organizer:

Lindsay Kelley, UNSW Art & Design

Chair:

Susanne Pratt, University of Technology Sydney

Discussant:

Jennifer Mae Hamilton, Unversity of New England

027. Science, Technology, and the Regulation of Food and Agriculture #1

9:00 to 10:30 am
ICC: E5.8

Participants:

Making Legal Space for Food: Science, Safety and Regulation Through Food Sovereignty Ordinances *Amy Trauger, University of Georgia*

Reimagining the Natural in the American Food Industry *Ai Hisano, Kyoto University*

The Sense in Consensus: Sensory Platforms for Horizontal Decision-making and Leadership in Radically Democratic Environments *James Debowski, College of Arts and Social Sciences, Australian National University*

Who Has Voice in Decision-Making About Emerging Technologies? Examining Influence in the Regulatory Review Process *Teshanee Williams, North Carolina State University*

Regulatory Responses to New Plant Breeding Techniques *Karinne Ludlow, Monash University*

Conceptions of "Technology Supply" and their impact in the development of Territorial Innovation Systems *Oscar A. Forero, Corpoica-Colombia; SOAS-UK; Corina Buendia, CORPOICA; Eliana Martinez, CORPOICA*

Session Organizer:

Susannah Chapman, University of Queensland

Discussant:

Andrew Ventimiglia, University Of Queensland

028. Experiments in Infrastructure II

11:00 to 12:30 pm
ICC: C2.1

Participants:

The Challenge of Translating Innovation into Transport Decision-Making *Simon Louis Opit, Massey University*

Urban experimentation with nature-based innovations and infrastructures *Kes McCormick, IIIEE; Filka Sekulova, Universitat Autonoma de Barcelona; Rob Raven, Monash Sustainable Development Institute; Harriet Bulkeley, Durham University*

Who Bears the Risks of Data-related Urban Infrastructural Experimentation? *Sangeetha Chandrashekeran, University of Melbourne; Svenja Keele, University of Melbourne; Anne Kallies, RMIT*

STS and Industrial Design Collaborations on Infrastructure Conceptualization, Design, and Maintenance *Juan Montalvan, Pontifical Catholic University of Peru*

Session Organizers:

Heather Lovell, University of Tasmania
Andrew Harwood, University of Tasmania

Chair:

Andrew Harwood, University of Tasmania

029. Infrastructure, Worlding and Knowledge

11:00 to 12:30 pm
ICC: C2.2

Participants:

Trans-scale & Transnational Study of Gas Lighting: From Autonomous Units to Network Infrastructures, from the City to the Domestic Space, Governance, Resistance, France, Spain *Benjamin Bothereau, EHESS CAK Centre Alexandre Koyré*

Coal mining industry in the process of Chinese industrialization (1840 - 1949) *Bocong Li, University of Chinese Academy of Sciences; Peiqiong Wang, University of Chinese Academy of Sciences*

Climbing Conflicting Knowledge Infrastructures: Engineers without Taiwan, 1925-1950 *Kuo-Hui Chang, National Taiwan University; Gary Downey, Virginia Tech; Po-Jen Bono Shih, Virginia Tech*

Narrowing the knowledge-action gap for infrastructure: The role for science policy *Christine Kirchhoff, University of Connecticut; James Arnott, University of Michigan; John Katzenberger, Aspen Global Change Institute*

'The Alga-tron and the Aqua-Hamster: Engineering Models of Closed Sanitation Infrastructures to Live In Space' *David Munns, John Jay College of Criminal Justice, CUNY*

Session Organizer:

Benjamin Bothereau, EHESS CAK Centre Alexandre Koyré

Chair:

Benjamin Bothereau, EHESS CAK Centre Alexandre Koyré

030. Unsettling STS: Scaling Up Critical indigenous Analytics 1

11:00 to 12:30 pm
ICC: C2.3

Participants:

Agencies of Weather in Promulgating and Defying Colonialism *Sarah Wright, University of Newcastle*

Beyond Settler Genomes: Temporality, Genomic Indigeneity, and (De)Colonization *Jennifer Hamilton, Hampshire College*

Burning the Capital *Jessica Weir, Western Sydney University*

Guaral and Leishmaniasis: Violent Encounters between Indigenous Medicine and Biomedicine in Conflict-Ridden Colombia *Lina Beatriz Pinto Garcia, York University*

Hindcasting the Settler State *Jessica Cattelino, University of California, Los Angeles*

Session Organizers:

denielle a elliott, York University
Tom Ozden-Schilling, Johns Hopkins University

Chair:

Thomas De Pree, Rensselaer Polytechnic Institute

Discussant:

David Turnbull, Deakin University

031. STS Africa: Biomedicine

11:00 to 12:30 pm
ICC: C2.4

Participants:

Traditional Birth Attendants and the State: the mediating effect of Evidence Informed Policy Making (EIPM) on maternal health policy in Uganda *Emmanueil Benon Turinawe, Makerere University* "Do not use herbs!": Plants and Pills in Maternal Health Care in Ghana *Abena Osseo-Asare*

Representing African Women: A Case for Maternal Survival Narratives *Adeola Oni-Orisan, UC San Francisco/UC Berkeley*

Technology and the teaching hospital: objects, concepts and curricula in Ghanaian medical education, c. 1923-2018 *John Nott, Maastricht University*

Understanding Biomedicine from the Homestead: Knowledge-Being in Multiple Worlds *Abigail H Neely, Dartmouth College*

Session Organizers:

Toluwalogo Odumosu, University of Virginia
Anne Pollock, Georgia Tech

Discussant:

Anne Pollock, Georgia Tech

032. Environmental Visualizations: Connecting Images, Knowledge, and Politics II

11:00 to 12:30 pm
ICC: C2.5

Participants:

Translating the unknown: meaning-making potentials of climate change visualisations *Eugenia Lee, University of Sydney*

Visualization and Science Communication: A Historical Study of Typhoon News Reporting and Visualization in Taiwan (1958-2015) *Shulin Chiang, Chinese Culture University*

Visualizations of the Ozone Hole and Global Climate Change -- Towards Stabilization? *Stephen Zehr, University of Southern Indiana*

Visualizing and Creating Chemosocialities in Cancer Graphic Narratives *Juliet McMullin, University of California, Riverside*

Visual Representations of Human Biomonitoring and the Pollution in People *Rachel Washburn, Loyola Marymount University*

Session Organizer:

Alastair Iles, UC Berkeley

Discussant:

Alastair Iles, UC Berkeley

033. How Does Mobility Change Researchers, Research Groups And Scientific Communities?

11:00 to 12:30 pm

ICC: C2.6

Participants:

Scientific Mobility and Research Careers *Richard Woolley, Ingenio (CSIC-UPV) Universitat Politècnica de València; Carolina Cañibano, Ingenio (CSIC-UPV) Universitat Politècnica de València*

How do career scripts shape the mobility of early career researchers? *Grit Laudel, TU Berlin*

The Changing Face of Academia: Analysing the Interplay Between Career Structures and Geographical Mobility *Marie Sautier, University of Lausanne*

Trans-National Mobility and Research Careers in the Human and Social Sciences: assessing individual self-discovery processes *Carolina Canibano, INGENIO (CSIC-UPV); Richard Woolley, Ingenio (CSIC-UPV) Universitat Politècnica de València; Carmen Corona, INGENIO (CSIC-UPV)*

Session Organizer:

Grit Laudel, TU Berlin

Chair:

Cassidy Sugimoto, Indiana University, Bloomington

034. Reflexive Engagements in Climate Engineering

11:00 to 12:30 pm

ICC: E3.10

Participants:

Better By Design? *Peter Healey, InSIS, Oxford University*

Climate Geoengineering Governance *Steve Rayner, University Of Oxford*

Discourses of Development in Efforts to Mainstream Geoengineering into Global Climate Policy *Jeremy Baskin, University of Melbourne*

Engaging the Teaching Place with the Anthropocene : A Case for STS Education Through 'Simul-Action' *Isabelle Juliette Giraudou, University of Tokyo*

Scientific Advising in Boundary Organization: Epistemic Matter in the Mission Policy of the IPCC *Hiroyuki Kano*

The influential but diverse epistemic community of climate engineering research and policy *Nils Matzner, Departement for Science, Technology and Society Studies (STS), AAU Klagenfurt*

Session Organizers:

Peter Healey, InSIS, Oxford University

Anjali Viswamohanan, Council on Energy, Environment and Water

035. Reproductive Governance in East Asia

11:00 to 12:30 pm

ICC: E3.2

Participants:

Winning the "Second Chance": Prenatal Genetic Testing, Personal Choices and National Future *Jianfeng Zhu, Fudan University*

Yousheng Policies and Technologies: Population Quality Control in Contemporary Urban China *Dong Dong, Hong Kong Baptist University*

When Population Policy Meets ART *Jung-Ok Ha, National Museum of Korean Contemporary History*

Considering the Impact of Socio-Cultural Factors on the Regulation of ART regarding Egg Donation in East Asia *Azumi Tsuge, Meijigakuin University; Hyunsoo Hong,University of Tokyo; Minori Kokado, Osaka University*

First Test-Tube Babies as Technopolitical Tuners *Chia-Ling Wu, National Taiwan University*

Session Organizer:

Chia-Ling Wu, National Taiwan University

036. Collating Publics in Collections of Human Biological Material and Data 1

11:00 to 12:30 pm

ICC: E3.3

Participants:

Imagined Publics In Medical Research Collections: Tracing Circulations And The Making Of Public Value(s) *Erik Aarden, University of Vienna*

Infrastructuring data-publics: Implications of design and governance of transnational biometric database systems *Nina Amelung, University of Minho*

Evidentiary Status of DNA Testing for Family Relatedness in Danish Family Migration Politics *Linda Lund Pedersen, London School Of Economics & Political Science*

Sorting Apart: Sampling Practices and Shaping Publics in DNA Studies of "Roma" *Veronika Lipphardt, Albert-Ludwigs-Universität Freiburg; Mihai Surdu, Albert-Ludwigs-Universität Freiburg*

Session Organizer:

Nina Amelung, University of Minho

Chair:

Torsten Heinemann, RWTH Aachen University

037. Political Transformations of Developmental Origins of Health and Disease (DOHaD) and Epigenetics in the Global South 2

11:00 to 12:30 pm

ICC: E3.4

Participants:

Plasticity, Biopower and Empire: An Archaeology *Maurizio Meloni, Deakin University*

The political load of the mismatch model *Flavio D'Abramo, Max Planck Institute for the History of Science*

Time, trauma, and the brain: some implications of environmental epigenetics research on suicide risk *Stephanie Lloyd, Université Laval*

Transgenerational Epigenetics and Ancient Practice: Fetal Education in East Asia *Chikako Takeshita, University of California, Riverside*

Local knowledge of DOHaD in New Zealand *Tatjana Buklijas, University of Auckland; Helen Johanna Ker, University of Auckland*

Session Organizers:

Megan Warin, University of Adelaide
Michelle Pentecost, King's College London
Fiona Ross, University of Cape Town
Maurizio Meloni

Chairs:

Fiona Ross, University of Cape Town
Maurizio Meloni, Deakin University

038. Critical Digital Health Studies: Digitised Medicine and Healthcare Practices

11:00 to 12:30 pm
ICC: E3.5

Participants:

Critical Discourses and Deliberations for 3D Printing in Medicine *luke heemsbergen, Deakin University; Robert David Ewan Fordyce, University of Melbourne*

Group Therapy: Mental Distress in a Digital Age — An Arts Based Case Study in Critical Digital Health *Vanessa Claire Bartlett, UNSW Art & Design*

Socio-technological imaginaries, assistive robotics and transformation of care *Niels Christian Nickelsen, Aarhus University*

Talking Over the Robot: A Strained Human-Robot Collaboration in a Dementia-Prevention Class *Chihyung Jeon, KAIST*

Session Organizer:

Deborah Lupton, University of Canberra

Chair:

Deborah Lupton, University of Canberra

039. How Do They Understand the Science? Communicating Science, Risks, and Disasters 2

11:00 to 12:30 pm
ICC: E3.6

Participants:

Sources of information in times of scientific uncertainty: an exploratory analysis on the Zika virus in Brazil *Andre Sica de Campos, UNICAMP; Janaina Costa, UNICAMP; Rhiannon Kroeger, Louisiana State University; Wesley Shrum, Louisiana State University*

Watershed Citizen Science: Toward Democratic Governance? *Sharon Moran, SUNY - Environmental Science and Foresty*

The Signal and the Territory *Adam Bobbette, University of Cambridge*

Session Organizers:

Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University
Anto Mohsin, Northwestern University in Qatar

Chair:

Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University

040. Neurosocieties: Interdisciplinary Explorations of the brain, Culture and Ethics

2*11:00 to 12:30 pm*
ICC: E3.8

Participants:

Neurasthenia Reincarnated: Examining the Rise of Autonomic Nerve Dysregulation in Contemporary Taiwan *Jia-shin Chen, National Yang-Ming University*

Schizophrenia, Neuropharmaceutical Cultures and Patient Potentialities *Julia Brown*

Shifting boundaries: from sensory integration dysfunction to digital medicine *Wen-Ching Sung, University of Toronto*

The human in the brain: opportunities and challenges in neuroscience's expanding scope *Samantha Croy, University of Melbourne*

Virtual Addiction: Is Internet Gaming Addiction Fact or Fantasy? *Gemma Lucy Smart, University of Sydney*

Session Organizer:

John Grant Gardner, Monash University, Australia

Chairs:

John Grant Gardner, Monash University, Australia
Cynthia Forlini, University of Sydney

041. National Identities and Transnational Science and Technology during the 20th century: Cold War

11:00 to 12:30 pm
ICC: E3.9

Participants:

Infrastructure Wars and Media Nationalisms in Neutral Cold War Cambodia (1953-70) *Margaret Jack*

"The scientist the nation needs:" Early Cold War era characterizations of Turkey and Turkish scientists *Mehmet Alper Yalcinkaya, Ohio Wesleyan University*

Transnational Science and National Identity Discourses: Cold War Astronomy in Chile in the 1960s. *Barbara Silva, Universidad Catolica de Chile*

Session Organizer:

Barbara Silva, Universidad Catolica de Chile

Chair:

Barbara Silva, Universidad Catolica de Chile

042. Transnational Risk and Information

11:00 to 12:30 pm
ICC: E5.1

Participants:

Actuarial states: Underwriting risk in Paraguayan microinsurance *Caroline Schuster, Australian National University*

Information Saturation and Manufactured Risk *Gregory Leazer, University of California, Los Angeles*The Passivists: Managing Risk Through Intentional Non-Knowing *Kellie Owens, University of Pennsylvania*

Uncontrolled Risk and Paranoia in the Practice of Information Security *Ashwin Jacob Mathew, University of California, Berkeley*

Session Organizers:

Gregory Leazer, University of California, Los Angeles
Robert Montoya, University of California, Los Angeles

043. Machines and Humans: Risk, Fear and Collaboration

11:00 to 12:30 pm
ICC: E5.10

Participants:

Scientific Colonization of Images of Social Robots in Taiwan *Kuan-Hung Lo, Virginia Tech*

The Making of the 'AI World Cup': Attuning to the Ideal Human-Machine Configuration *Heewon Kim, Korea Advanced Institute of Science and Technology*

Vulnerability, Risk, and Humanity *Shoji Nagataki, Chukyo University*

Towards a Sociology of Ontological Reflexivity. *Céline Borelle, Orange Labs*

Automating the Braille Embossing Machines of the Benjamin Constant Institute *Marcos Fialho Carvalho, UFRJ - HCTE; Marcia Cristina Andrade Soeiro, HCTE-UFRJ / NCE-UFRJ; José Antonio Santos Borges, HCTE-UFRJ / NCE-UFRJ; Eduardo Nazareth Paiva, EDUARDO NAZARETH PAIVA*

Session Organizer:

Roger Andre Søraa, NTNU

Chair:

Adrian James Wright, University of Hong Kong

044. How Do STS Studies Translate Numbers: Economics, Markets Value/Valuation and Policy

11:00 to 12:30 pm
ICC: E5.2

Participants:

Doing the Undoing of Number: The Decimalisation of Currency and STS *Chris Vasantkumar, Macquarie University*

The Multiplicity of Metrics in Climate Change Mitigation Targets, Efforts, and Actions *Mark H Cooper, University of California, Davis*

Numbering as Landscape-making *Annika Capelán, Lund University*

Datafication as a Political Technology: Translating International Benchmarking in US Federal Education Discourses *Roberto de Roock, Nanyang Technological University; Darlene Machell Espena, Nanyang Technological University*

Escaping Numbers? Intimate Accounting, Informed Publics and the Productions of Authority and Non-Authority *Radhika Gorur, Deakin University*

Session Organizer:
Radhika Gorur, Deakin University

Chair:
Helen Verran, Charles Darwin University

045. Flammable Futures: Encountering Combustion in a Changing Climate 2

11:00 to 12:30 pm
ICC: E5.3

Participants:

Risk landscapes: a new nature requiring a new expertise *Nicholas B. de Weydenthal, University Of Melbourne; Dean Pierides, University of Stirling*

Standardizing Firefighters: WFX-FIT, Bona Fide Fitness Requirements, and Fungibility in Wildfire Management *Eric Kennedy, Consortium for Science, Policy, and Outcomes - Arizona State University*

Mountains Of Uncertainty: Politicised Ambiguity, Blame and Philippine Forest Fires *Will Smith, Deakin University*

Session Organizer:
Timothy Neale, Deakin University

Chairs:
Lauren Rickards, RMIT University
Timothy Neale, Deakin University

046. Beyond Boundary Objects and Immutable Mobiles - New Ways of Thinking about the Movement of Knowledge II: Mediators of Knowledge

11:00 to 12:30 pm
ICC: E5.4

Participants:

Between Standards and Wilderness: Boundary Jumping as Epistemic Practice in Urban Transport Planning *Ivana Subotički, Norwegian University of Science and Technology*

Adopting, Adapting and Putting into Practice: Translating Knowledge for Profitability *Hannah Grankvist, Linköping University*

Making Knowledge Accessible and Palatable: Midwifes Offering Parental Advice to Parents-To-Be *Jenny Gleisner, , Linköping University*

Kill Your Darlings: Advertising, Expertise, and Commercially Elicited Knowledge *Iddo Tavory, NYU*

Session Organizer:
Hannah Grankvist, Linköping University

047. STS Underground: Governance, Deliberation and Expertise

11:00 to 12:30 pm
ICC: E5.5

Participants:

Conflict and Collaboration in Urban Hydraulic Fracturing: A Closer Look at Mechanisms behind Effective Collaboration *Frances Marlin, Colorado School of Mines; Jessica M. Smith, Colorado School of Mines*

Learning to love an old enemy: the future of coal when it's no longer a fuel. *Paul Frederick Brown, University of New South Walesa*

On gravel - materialities of development and expertise in Northern Australia *Kirsty Howey, University of Sydney*

Session Organizers:

Roopali Phadke, Macalester College
Abby Kinchy, Rensselaer Polytechnic Institute

Chair:

Roopali Phadke, Macalester College

048. COMPOSTING Feminisms and Environmental Humanities 2: Art and Practice

11:00 to 12:30 pm
ICC: E5.7

Participants:

When plants design: multispecies entanglements in a transcultural Sydney neighbourhood *Ilaria Vanni Accarigi, University of Technology Sydney; Alexandra Crosby, University of Technology Sydney*

That new carpet smell: Chemical kin-making *Susanne Pratt, University of Technology Sydney*

Studio/Kitchen/Pile: Composting with contemporary art practices *Lindsay Kelley, UNSW Art & Design*

Disruption and (Dis)Location: A Mediated Performance for Writing-With the Anthropocene *Lissa Holloway-Attaway, University of Skövde*

Session Organizer:

Lindsay Kelley, UNSW Art & Design

049. Science, Technology, and the Regulation of Food and Agriculture 2

11:00 to 12:30 pm
ICC: E5.8

Participants:

"Except Musa textilis": Navigating Access to Plants in a Post-Treaty World. *Xan Sarah Chacko.*

Combatting Illegal, Unreported and Unregulated Fishing: National Boundaries and International Trade *Sonia Garcia Garcia, University of Technology Sydney*

Regulating the Circulation of Intangibles: End Point Royalties, Intellectual Property, and Transformations in Food Production *Susannah Chapman, University of Queensland*

UAV Technology and its Issue of Governance in Indian Agriculture: A Responsible Innovation Perspective *Anjan Chamuah, Jawaharlal Nehru University*

Informal Innovation And Actor Network Theory: A Case Of Value Added Products Of Rice, India *Wairokpam Premi Devi, Entrepreneurship Development Institute of India*

Session Organizer:

Andrew Ventimiglia, University Of Queensland

Discussant:
Brad Sherman, University of Queensland

050. Caring across Borders: Materiality and Belonging in Transnational Families I
11:00 to 12:30 pm
ICC: E5.9
Participants:
'He Doesn't Know it's Facebook: Exploring How Older Karen Migrants in Victoria Communicate Transnationally *Shane Worrell, La Trobe University*
Lives in the Aftermath of Genocide: Reimagining and Reimaging 'Ethnically Cleansed' Villages as 'Cyber Villages' *Hariz Halilovich, RMIT University*
Medicines from home to mitigate alienation abroad: Explaining Indian-Australians transnational health-seeking *Bianca Brijnath, National Ageing Research Institute; Josefine Antoniades*
Mining mobile families: digital media, non-resident work and family relationships *Jolynna Sinanan, University of Sydney*
Picturing Care at a Distance: Image for Intergenerational Care in Indian Transnational Families *Tanja Ahlin, University of Amsterdam*
Session Organizers:
Bianca Brijnath, National Ageing Research Institute
Loretta Baldassar, University of Western Australia
Maho Omori, National Ageing Research Institute

051. Asia-Pacific STS Network Business Meeting
Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.4
Session Organizer:
Richard Hindmarsh, Griffith University
Chair:
Richard Hindmarsh, Griffith University

052. Indigenous STS Meet-Up
Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.5
Session Organizer:
Timothy Neale, Deakin University
Chair:
Timothy Neale, Deakin University

053. Tapuya Editorial Board Meeting
Business Meeting
12:30 to 2:00 pm
ICC: C2.6
Session Organizer:
Leandro Rodriguez Medina, Universidad de las Americas Puebla

054. EASTS Editorial Meeting

Business Meeting
12:30 to 2:00 pm
ICC: E5.6
Session Organizer:
Wen-Hua Kuo, National Yang-Ming University

055. Exploring Approaches to Catalyzing Transdisciplinary Engagement

2:00 to 3:30 pm
ICC: C2.1
Participants:
Building Transdisciplinary Research Communities: Re-envisioning "Community" Engagement *Stephanie Vasko, Michigan State University*
Commons Wealth: Integrative Design Catalyzing Community Solar from Uni, to Muni, to State *Jeffrey R. S. Brownson, Penn State University*
The Role of Open Value Networks in Catalyzing Transdisciplinarity *Ele Jansen, University of Technology Sydney; Jacqui McManus, University of Technology Sydney; Susanne Pratt, University of Technology Sydney; Monique Potts, University of Technology Sydney; Katie Ross, University of Technology Sydney*
Transdisciplinarity: From Policy to Practice? The Case of the Centre for Digital Life Norway *Maria Bårdsen Hesjedal, NTNU; Heidrun Åm, Norwegian University of Science and Technology*
Session Organizer:
Stephanie Vasko, Michigan State University
Chair:
Stephanie Vasko, Michigan State University
Discussant:
Michael O O'Rourke, Michigan State University

056. Unsettling STS: Scaling Up Critical indigenous Analytics **2**

2:00 to 3:30 pm
ICC: C2.3
Participants:
Narrating climate change on northern terms: Arctic Journalisms, Civic Spaces and Indigenous Publics *Candis Callison, Unversity of British Columbia*
Path Dependence: Wirelessness and (De)colonial Maneuver in 'Post-War' Hawai'i *Tyler Morgenstern, UC Santa Barbara*
Privatisation by Association – Natural Resources and Electricity Generation *Marama Muru Lanning, University of Auckland*
Salvage Minds: Representing and Intervening on Unceded Territories *Tom Ozden-Schilling, Johns Hopkins University*
Unsettling Addiction Science in Vancouver's Unceded Territory *denielle a elliott, York University*
Why did they take him away? Following Aboriginal remains using modes of existence *Rob Garbutt, Southern Cross University*

Session Organizers:
denielle a elliott, York University
Tom Ozden-Schilling, Johns Hopkins University

Chair:
Tom Ozden-Schilling, Johns Hopkins University

Discussant:
Kyle Whyte, Michigan State University

057. STS Africa: Infrastructures

2:00 to 3:30 pm
ICC: C2.4

Participants:

An overview of the regulatory landscape for medical devices in Africa *Tania Douglas, University of Cape Town; Trust Saidi, University of Cape Town*

Between the Lab and the Cooking Pot: Recovering Culinary Design and African Women's Creativity in Technological Studies of 'Climate-Smart' Seeds *Serena Stein, Princeton University*

Folk tales of the Golden Goose: Lesotho Highlands Water Project and Lesotho's Ivory *Kefiloe Sello, University of Cape Town*

Geographical Advantage, Local Disadvantage? Astronomy in South Africa *Jarita Holbrook, University of the Western Cape*

Sankofa Innovations *DK Osseo-Asare, Pennsylvania State University*

Session Organizers:
Toluwalogo Odumosu, University of Virginia
Anne Pollock, Georgia Tech

Discussant:
Natasha Vally, Centre for Humanities Research, University of Western Cape

058. How Does Mobility Change Researchers, Research Groups and Scientific Communities? (II)

2:00 to 3:30 pm
ICC: C2.6

Participants:

Women belong in the home (country): examining gender differences in the scientific mobility *Cassidy Sugimoto, Indiana University, Bloomington*

Socio-cultural Contexts in International Research Collaboration *Roli Varma; Meghna Sabharwal*

A Study on Current Situation and Influence Factors of Transnational Migration of Scientific Researchers in China *Jianzhong Zhou, Institutes of Science and Development, Chinese Academy of Sciences*

Short-term transnational mobility, gender and research careers in East Africa: The case of women in computer science *Ravtosh Bal, Concordia University, Montreal, Canada; Matthew Harsh, Cal Poly; G. Pascal Zachary, Arizona State University; Kerry Holden, Queen Mary, University of London; Jameson Wetmore, Arizona State University*

Academic Mobility, Transnational Capital and Career Advancement: Evidence from China's Changjiang Scholar Program? *Li Tang, Fudan University; Feng Li, Hohai University*

Session Organizer:

Richard Woolley, Ingenio (CSIC-UPV) Universitat Politècnica de València

Chair:

Richard Woolley, Ingenio (CSIC-UPV) Universitat Politècnica de València

Discussant:

Marie Sautier, University of Lausanne

059. Technomedicine and Reproduction

2:00 to 3:30 pm

ICC: E3.2

Participants:

The technoscientization of IVF? Contemporary trends and counter-trends *Nicola J Marks, University of Wollongong*

The Egg Timer Test: Direct-to-Consumer Fertility Testing for Women in the Age of Elective Egg Freezing *Moira Kyweluk, Northwestern University*

Is Non-Invasive Prenatal Testing The New 'Right Tool For The Job' In Human Genetics? *Zoe Olivia Jacoba Barker, University of Wollongong*

Exploring the Role of Reproductive Technology and Gender Discrimination in India *Shivmohan Prajapati, Central University of Gujarat*

Demographic Risks: Reproduction, Population Control, and the Techno-Medical Gaze in Contemporary India *Nayantara Sheoran Appleton, Victoria University of Wellington*

Session Organizer:

Nicola J Marks, University of Wollongong

Chair:

Nicola J Marks, University of Wollongong

060. Collating Publics in Collections of Human Biological Material and Data 2

2:00 to 3:30 pm

ICC: E3.3

Participants:

Neuroscience of race and the production of biological citizens *Torsten Heinemann, RWTH Aachen University*

Connective tissues: making intergenerational publics in a regional placenta biobank *Maria Fannin, University of Bristol; Julie Kent, University of the West of England*

Involving citizens in the data bank: a case study of the China Marrow Donor Program *Xiaojie Li, Peking University*

Exploring a Global Imaginary of Biobanking *Edwina Light, Sydney Health Ethics; Lisa Dive, Sydney Health Ethics; Miriam Wiersma, Sydney Health Ethics; Ian Kerridge, Sydney Health Ethics; Wendy Lipworth, Sydney Health Ethics, University of Sydney*

Session Organizer:

Torsten Heinemann, RWTH Aachen University

Chair:

Nina Amelung, University of Minho

Discussant:
Erik Aarden, University of Vienna

061. Without Borders? The Future of Global Health and Transnational Humanitarianism

2:00 to 3:30 pm
ICC: E3.4

Participants:

- Anticipating Catastrophe: Health Systems Strengthening Refashioned as Innovative Pandemic Preparedness *Marlee Tichenor, University of Edinburgh*
- Microbial Menaces: Calculating, Imagining, And Performing Potential Pandemic Futures *Meike Wolf, Goethe University Frankfurt*
- Towards Planetary Health: From Pandemic Epicenters to Global Environmental Risk Models *Lyle Fearnley, Singapore University of Technology and Design*
- Topologies of Humanitarian Attention Recruiting Patients Accross Borders for Reconstructive Surgery in Amman *Evan Fisher, CSI, Mines-ParisTech*
- Cartographic Citizenship: An Ethnography of Humanitarian Mapping *Darryl Stellmach*

Session Organizers:
Darryl Stellmach
Marlee Tichenor, University of Edinburgh

062. Critical Digital Health Studies: 'Smart' Patients and Self-care

2:00 to 3:30 pm
ICC: E3.5

Participants:

- Minor creations of technological tactics for everyday life with a chronic disease *Claudia Maria Bagge-Petersen, Department of Public Health, University of Copenhagen*
- Online Expert Mediators: A New Stakeholder Problematizing The Role Of Blogs In Patient Engagement *claudia egher, Maastricht University*
- Becoming an informed patient? Digital health use among Australian women with chronic health conditions *Sarah Maslen, University of Canberra*
- Worn Out: How mental health wearables devices are changing the landscape of mental health *Antoinette Pavithra Joseph, Macquarie University*
- Understanding Digital Health in Smart Singapore *Gayathri Haridas, Singapore University of Technology & Design; Samuel Chng, Singapore University of Technology & Design*

Session Organizer:
Deborah Lupton, University of Canberra

Chair:
Deborah Lupton, University of Canberra

063. Science and Technology Studies and Science Education: ‘High’ vs. ‘Low’ Church Tensions (A)

2:00 to 3:30 pm
ICC: E3.6

Participants:

Educating for disturbance as a 'natural' part of survival *Jesse Thomas Bazzul, University of Regina*

Remembering Ursula Le Guin (1929-2018): A secular saint of 'No Church' STS? *Noel Gough, La Trobe University*

Slaying monsters in/through STS, science, and education *Sara Tolbert, University of Arizona*

The 'No' church of science education: Encouraging ignorance *Annette Gough, RMIT University*

Session Organizer:

John Bencze, Ontario Institute for Studies in Education, University of Toronto

064. Neurosocieties: Interdisciplinary Explorations of the Brain, Culture and Ethics 3

2:00 to 3:30 pm

ICC: E3.8

Participants:

Environmentalizing the city: Urban Life and the Biophilic Brain *Des Fitzgerald, Cardiff University*

What Brain Scans Can and Cannot See Seen from a Thai Bio-artscape *Birgit Ruth Buergi*

Influence of Brain-based Explanations in the Subjective Experience of Anxiety and Depression *Andrea Clara Bielli, Universidad de la República; María Pilar Bacci, Universidad de la República; Gabriela Lilián Bruno, Universidad de la República; Lauren Pedrebon, Universidad de la República*

Selective Neurologisation: Examining The Relationship Between Addiction Treatment Providers' Use Of Neuroscience And Client Subjectivity *Anthony Barnett, Monash University; Martyn Pickersgill, University of Edinburgh; Adrian Carter, Monash University*

Session Organizer:

John Grant Gardner, Monash University

Chairs:

John Grant Gardner, Monash University

Cynthia Forlini, University of Sydney

065. National Identities and Transnational Science and Technology during the 20th century: New Challenges

2:00 to 3:30 pm

ICC: E3.9

Participants:

Rethinking the public inquiry on science, technology and environmental change in new governance transitions *Richard Hindmarsh, Griffith University*

Transnational science and technology in the development of the Chilean doctoral identities *Cecilia Ibarra, Universidad de Chile*

Coercion, Consent and Contestation in Scientific Practices in India *Sambit Mallick, Indian Institute of Technology Guwahati*

Public Reason and the Governance of Scientific Controversies *Yuan Haijun, School of Philosophy, Inner Mongolia University*

Session Organizer:
Barbara Silva, Universidad Catolica de Chile
Chair:
Barbara Silva, Universidad Catolica de Chile
Discussant:
William San Martin, Massachusetts Institute of Technology (MIT)

066. Making and Doing Prize Committee Meeting

Private Event
2:00 to 3:30 pm
ICC: E5.1
Session Organizers:
Michaela Spencer, Charles Darwin University
Teun Zuiderent-Jerak, Linköping University

067. Artificial Intelligence and Cognition as Social Praxis

2:00 to 3:30 pm
ICC: E5.10
Participants:
Artificial Intelligence and Algorithmic Sensitivity: The Case for Technology Ethics *Pawan Singh, Deakin University; Nandini Seth, Indian Institute of Management, Bangalore*
Computerized Knowledge Creation: Machine Learning Models as Social Actors *Stephen Paff, University of Memphis*
Governing (with) algorithms: trust, uncertainty and the promise of transparency *Pedro Pablo Seguel, University of Texas at Austin; Rodrigo Gonzalez, Independent*
Human Trust and the Machine: Transnational Online Business in China *e oreglia*
Of Hackers and Yearners: Constructionist Learning's Debt to AI and Cybernetics *Morgan G. Ames, CSTMS, UC Berkeley*
To Bot or Not to Bot, that's the question *Sachit Rao, International Institute of Information Technology, Bangalore; Bidisha Chaudhuri, International Institute of Information Technology, Bangalore; Janaki Srinivasan, International Institute of Information Technology, Bangalore*
Session Organizers:
Bidisha Chaudhuri, International Institute of Information Technology, Bangalore
Janaki Srinivasan, International Institute of Information Technology, Bangalore
Sachit Rao, International Institute of Information Technology, Bangalore

068. How Do STS Studies Translate Numbers: Knowledge, Theory, Method

2:00 to 3:30 pm
ICC: E5.2
Participants:
Analyzing the Analyst: Cognitive Neuroscience, Experimental Performances, and a Return to Reflexivity *Yelena Gluzman, UCSD*
Bodies, Numbers and Politics: The Rise and Fall of the 'Quantified Self' Movement *Ana Viseu, Universidade Europeia*
How does STS (ac)count? Methods and critical engagements with quantification. *Oscar Javier Maldonado Castaneda, Universidad del Rosario*

Time and numbers: Counting the consequences *Barbara Bok, Swinburne University of Technology*

Manufacturing an Artificial Intelligence Revolution: Neoliberalism and the 'new' big data *Yarden Katz, Harvard University*

Promising performativity. Qalculating clinical performance? *Roland Bal, Erasmus University Rotterdam; Iris Wallenburg, Institute for Health Policy and Management*

Session Organizer:

Radhika Gorur, Deakin University

Chair:

Helen Verran, Charles Darwin University

069. Beyond Boundary Objects and Immutable Mobiles - New Ways of Thinking about the Movement of Knowledge III: Co-Production of Knowledge

2:00 to 3:30 pm

ICC: E5.4

Participants:

Opening the Black Box of Interdisciplinary Collaboration: Cognitive Maps of Knowledge Sharing in Research Teams *Lianghao Dai*

Learning By Transacting: Making, Learning And Sharing Knowledge In The 'Cities Of The Future' Laboratory *Lina Ingeborgrud*

Stanley Milgram and the Sonic Imaginary *Trevor John Pinch, Cornell University*

Ecologies of Expertise: Re-Evaluating Brokering in Knowledge Co-Production *Ronlyn Duncan, Manaaki Whenua Landcare Research; Melissa Robson, Manaaki Whenua Landcare Research; Sarah Edwards, Lincoln University*

State Spaces and Boundary Infrastructures *Dylan P Brady, University of Oregon*

Session Organizer:

Hannah Grankvist, Linköping University

070. STS Underground: Responsible and Sustainable Mining

2:00 to 3:30 pm

ICC: E5.5

Participants:

How to build a body in a minescape: toxic conditions in artisanal gold mines *jessica worl, University of Michigan*Mining renewal » in metropolitan France? The controversial definition of a « responsible mine » model. *Julien Merlin, Mines Paristech; Yann Gunzburger, Ecole des mines de Nancy; Brice Laurent, Ecole Des Mines De Paris*

The (Un)Making of the "Grants Uranium District": The Technopolitical Life of the Byproduct in Northwestern New Mexico *Thomas De Pree, Rensselaer Polytechnic Institute*

Urban Mining: A New Epistemology for Social Justice *Roopali Phadke, Macalester College*

Session Organizer:

Roopali Phadke, Macalester College

Chair:

Abby Kinchy, Rensselaer Polytechnic Institute

071. Environmental Humanities, Science Studies, and Transdisciplinary Engagement

2:00 to 3:30 pm
ICC: E5.6

Participants:

Science, Nature and Justice in Times of Conflict and Transition *Kristina Lyons, University of Pennsylvania*

Baboons, Citizens, Science and the City *Lesley J F Green, University of Cape Town*

"This is not political, it's technical": Science, environment, and unions in defense of the public *Gloria Baigorrotegui, Instituto de Estudios Avanzados - Usach; Maria Paz Aedo, Universidad de Santiago de Chile*

Hoping from water fluctuations *Diana Bocarejo, Universidad del Rosario*

Session Organizers:

Kristina Lyons, University of Pennsylvania
Lesley J F Green, University of Cape Town

072. COMPOSTING Feminisms and Environmental Humanities 3: Pedagogies

2:00 to 3:30 pm
ICC: E5.7

Participants:

Making Academic Kin: Composting Subjectivities In Graduate Research *Blanche Verlie, Monash University; Sherridan Emery, University of Tasmania; Maia Osborn, Southern Cross University; Kim Beasy, University of Tasmania; Kevina Kezabu, University of Tasmania; Bianca Coleman, University of Tasmania; Jennifer Nicholls, James Cook University*

Art-science Activisms and Compost Methods for Common Worlds Pedagogies *Alicia Flynn, University of Melbourne*

Integrating Feminist STS into STEM – Examples from the Environmental Sciences *Petra Lucht, Technical University Berlin*

EcoFeminist Fridays: towards slow academia *Hayley Singer, University of Melbourne*

Audio Journeys, Visualisation and Dark Lessons *Julie Vulcan, Western Sydney University*

Catalyst actors and sub politics enacted in gender balance reforms in/of academic institutions *Vivian Anette Lagesen, NTNU; Siri Øyslebø Sørensen, NTNU*

Session Organizer:

Lindsay Kelley, UNSW Art & Design

Chair:

Jennifer Hamilton, Hampshire College

073. Diversifying Agri-food STS Scholarship Across Transnational Borders I

2:00 to 3:30 pm
ICC: E5.8

Participants:

Expert and public attitudes on the use of gene editing: An empirical study in Agri-food context *Naoko Kato-Nitta, The Institute of Statistical Mathematics, Japan; Nagoya University, Japan; Tadahiko Maeda, The Institute of Statistical Mathematics, Japan; Masashi Tachikawa, Nagoya University, Japan*

How Technologies, Identities and Idylls Can Steer Research Through Changing Agrifood Regimes *Peat Leith, University of Tasmania*

Processed Foods, Nutritionism and Food Corporations *Gyorgy Scrinis, University of Melbourne*

Unsettling Food Sovereignty in Australia *Christopher Mayes, Dea*

Session Organizers:

Alastair Iles, University of California, Berkeley
Gyorgy Scrinis, University of Melbourne

Chairs:

Alastair Iles, University of California, Berkeley
Gyorgy Scrinis, University of Melbourne

074. Caring across Borders: Materiality and Belonging in Transnational Families II

2:00 to 3:30 pm
ICC: E5.9

Participants:

Proposing a person-centred approach for understanding the affective nature of new media in care contexts *Joanne Mihelcic, RMIT University*

Rethinking digital inclusion and exclusion in the new media practices of older Australians *Andrew Simon Gilbert, La Trobe University*

Virtual Materialities: the 'thingy-ness' of co-presence and caring across distance *Loretta Baldassar, University of Western Australia*

"Would you like the idea of robot caregiving to your ageing parents?" Theory of care and a technological boundary in caregiving *Maho Omori, National Ageing Research Institute*

Session Organizers:

Bianca Brijnath, National Ageing Research Institute
Loretta Baldassar, University of Western Australia
Maho Omori, National Ageing Research Institute

075. Smart Sydney: Studying the Smart City in Sydney, by Sydneysiders

4:00 to 5:30 pm
ICC: C2.2

Participants:

Logics, Aspiration and Practice of Smart in Sydney *Robyn Dowling, University of Sydney; Pauline McGuirk, University of Wollongong; Jathan Sadowski, University of Sydney*

RealTech and Foreign Real Estate Investment: 'Risky' East-West Cultural Asymmetries as Market Value and Extraction *Giulia Dal Maso, Western Sydney University; Dallas Rogers, University of Sydney; Shanthi Robertson, Western Sydney University*

The Real-Life Adventures of Real-Time Transport Data in Sydney *Kurt Iveson, University of Sydney*

The Elephant in the Room: Inequality of Telecommunication Infrastructure Across Sydney Metropolitan Region *Tooran Alizadeh, University of Sydney; Somwrita Sarkar, University of Sydney*

Session Organizer:

Jathan Sadowski, University of Sydney

Discussant:
Donald McNeill, Western Sydney University

076. Transnational STS Media-Making: Producing Films and Videos for Research, Classroom and Beyond

4:00 to 5:30 pm
ICC: C2.3

Participants:

Capturing Research on Film *Jarita Holbrook, University of the Western Cape*

Ethnografilm and Filmmaking in STS *Wesley Shrum, Louisiana State University*

Researching Extraction, Refusing Extractive Research *Merle Davis, York University*

Fallout *Gordon Murray, University of Winchester*

Session Organizers:
Jarita Holbrook, University of the Western Cape
Vivian Wong, University of California, Los Angeles

077. The Learning Health System as a Socio-Technical System of Translation

4:00 to 5:30 pm
ICC: C2.5

Participants:

STS Enters the Imaginary of the Learning Health System: A Discourse Analysis of the Learning Health System in its First Decade *Minakshi Raj, University of Michigan; Jodyn Platt, University of Michigan Medical School; Matthias Wienroth, Newcastle University*

Imagining the Social in a Learning Health System *Alexandra Vinson, University of Michigan*

Bounded Justice: Learning Health Systems and the Ethics of Scientific Knowledge Production *Melissa Creary, University of Michigan*Healthcare As A System Of Systems And The Development Of Contingency Plans For Extreme Events *Denis Fischbacher-Smith, University of Glasgow; Bonnie Atonasova, University of Glasgow; Moira Catherine Fischbacher-Smith, University of Glasgow*

Session Organizers:
Matthias Wienroth, Newcastle University
Jodyn Platt, University of Michigan Medical School

078. How Does Mobility Change Researchers, Research Groups and Scientific Communities? (III)

4:00 to 5:30 pm
ICC: C2.6

Participants:

Transnational mobility of academic scientists and engineers: Do global boundaries matter for international collaboration? *Meghna Sabharwal, University of Texas at Dallas; Roli Varma*

Asians differentiated: Tracing the career paths of mobile Asian and Asian American academics in the United States *Pei-Ying Chen, Indiana University, Bloomington*

Finding balance in global relationships: roles of collaboration, mobility, and specialization in building ties across countries *Yi Bu*

Many faces of mobility: a taxonomy of bibliometric mobility indicators *Rodrigo Costas, Leiden University*

Moving on up: the relationship between international mobility and global leadership *Zaida Chinchilla-Rodríguez, Consejo Superior Investigaciones Cientificas (CSIC), Instituto de Políticas y Bienes Públicos (IPP)*

Session Organizer:

Cassidy Sugimoto, Indiana University, Bloomington

Chair:

Cassidy Sugimoto, Indiana University, Bloomington

079. Air Pollution Governance: Sites, Styles, Histories

4:00 to 5:30 pm

ICC: E3.10

Participants:

Air Pollution Governance in 6+ Cities *Aalok Khandekar, Indian Institute of Technology, Hyderabad; Kim Fortun, University of California, Irvine*

Breathing in Delhi's Peripheries *Rohit Negi, Ambedkar University, Delhi; Prerna Srigyan, Ambedkar University, Delhi*

The Invisible Infrastructures of the Smog. Technical Standardisation and Data Infrastructure in Air Pollution Measurement (the Case of Poland) *Michał Wróblewski, Nicolaus Copernicus University*

The Role of Transboundary Air Pollution Research in the Making of the South Korean Regulatory Regime *Chuyoung Won, Seoul National University*

Scientific Expertise And Public Action. Governing The Air Pollution Problem In Paris. *Justyna Barbara Moizard-Lanvin, École des Hautes Études en Sciences Sociales. Centre de recherche médecine, science, santé et sociét*

The Challenge of Air Pollution Governance: The Case of Taiwan *Wen-Ling Tu, National Chengchi University*

Session Organizer:

Kim Fortun, University of California, Irvine

Chair:

Aalok Khandekar, Indian Institute of Technology, Hyderabad

Discussant:

Soraya Boudia, University Paris Descartes

080. Medicine and Gendered Bodies

4:00 to 5:30 pm

ICC: E3.2

Participants:

Disfigured To 'Reconstructed Normal' Body: Acid Attacks Through The Lens Of Biosociality *Kanika Sharma, NA*

Changes of Scientific Discourses and Feminism: Focusing on the Sex/Gender Differences Studies Using fMRI *Genie Yoo, Princeton University*

Visualizing the Racialization of Testosterone in Biomedical Studies *Brandon Kramer*

Session Organizer:

Brandon Kramer

Chair:
Brandon Kramer

081. Lives in STS "as a Series of Failed Political Experiments"

4:00 to 5:30 pm
ICC: E3.3

Participants:

Making Visible A Collage Of Radical Scientists And Critics *Peter J. Taylor, UMass Boston*

From radical scientist to STS intervener *Brian Martin, University Of Wollongong*

Motivating Investment in Interdisciplinary Infrastructure: What Can One Person Do? *Michael O O'Rourke, Michigan State University*

Session Organizer:
Peter J. Taylor, UMass Boston

Chair:
Peter J. Taylor, UMass Boston

082. Not Global Health (?): Theorizing Biomedical Governance from the South

4:00 to 5:30 pm
ICC: E3.4

Participants:

Against Humanitarianism: Cuba's Quest for Exporting Social Justice through Medicine *P. Sean Brotherton, University of Chicago*

Cuba-Vietnam Medical Diplomacy and the Articulation of a (Post)Socialist Biomedical Network *Natalie Hannah Porter, University of Notre Dame*

Infection, compensation, containment and justice: biosecurity and value in the 2017 avian flu outbreak in Cape Town, South Africa *Thomas Cousins, University of Oxford; Michelle Pentecost, King's College London*

The breather as patient and plaintiff: biopolitics, labor and the judicialization of tuberculosis *Kaushik Sunder Rajan, University of Chicago*

Fashioning the Hemorrhagic Body: Ebola in Western Africa in 2014 *Stephen Wallace*

Session Organizer:
Kaushik Sunder Rajan, University of Chicago

Discussant:
Kristin Ann Peterson, University of California, Irvine

083. Critical Digital Health Studies: Quantified Patients and Physicians

4:00 to 5:30 pm
ICC: E3.5

Participants:

Advancing to the next level: the quantified professional-self and the gamification of physicians and scientists *Iris Wallenburg, Institute for Health Policy and Management; Björn Hammarfelt, University of Borås; Sarah de Rijcke, Centre for Science and Technology Studies (CWTS); Roland Bal, Erasmus University Rotterdam*

From Self-Tracking to Tracking Patients? QS and health organizations in France *Eric Dagiral, Paris Descartes University, CERLIS*

Future of General Practitioners in the Era of Quantified Self *Daniela Cerqui, Unil; Daniel Widmer, European Commission*

Life Drawing the Metrics of Care: Investigations of Data and Reproductive Health *Alexandra Jonsson, Westminster University*

Between Care and Control *Robyn Schimmer, Department of Informatics, Umeå university; Karin Danielsson, Department of Informatics, Umeå University*

Session Organizer:

Deborah Lupton, University of Canberra

Chair:

Deborah Lupton, University of Canberra

084. Science and Technology Studies and Science Education: 'High' vs. 'Low' Church Tensions (B)

4:00 to 5:30 pm

ICC: E3.6

Participants:

Being Scientific Mode of Education at the verge of STS and Science Education *Ramjit Kumar, Indian Institute of Technology Patna*

On the Legitimacy of Sociology in Engineering Studies *Li Sanhu, Guanzhou Academy of Governance*

Tensions and possibilities for an 'engaged' STS programme in science education *John Bencze, Ontario Institute for Studies in Education, University of Toronto*

Session Organizer:

John Bencze, Ontario Institute for Studies in Education, University of Toronto

085. What are the Relationships between STS and empirical ethics? A Panel Discussion on Neuroethics

4:00 to 5:30 pm

ICC: E3.8

Participants:

A practical and ethical analysis of incorporating patient preferences into dementia research policy and practice *Cynthia Forlini, University of Sydney*

A Technological Fix? Patient-testimonies of neurostimulation on YouTube *John Grant Gardner, Monash University; Narelle Warren, Monash University; Courtney Addison, Victoria University of Wellington*

An empirical study of the ethical and policy implications of promoting a food addiction understanding of overweight and obesity *Adrian Carter, Monash University*

Deflating the "Neurostimulation causes personality changes" bubble *Frederic Gilbert, University of Washington & University of Tasmania; John Viana, University of Tasmania; Christian Ineichen, University of Zurich*

Session Organizer:

Eric Racine, Institut De Recherches Cliniques De Montréal

Discussant:

Stacy Carter, University of Wollongong

086. Show Me the Money! Science and Technology in the Age of Mega-Philanthropy

4:00 to 5:30 pm
ICC: E5.1

Participants:

- Conservation science and ecophilanthropy in the Iberá Wildlife Reintroduction Program *Emiliano Martin Valdez, Universidad Maimonides*
- Identifying patterns in research funding of influential philanthropies: insights from funding acknowledgement data *ElHassan ElSabry, Institute of Innovation Research, Hitotsubashi University*
- 'If GoFundMe were a non-profit, we would be the fourth-largest in the world': The Big Business of Crowdfunding and the Ethical Implications of (Micro) Mega-Philanthropy *Matthew Wade*
- Of Social Diseases and Technical Fixes: BMGF and Tuberculosis in India *Anita Buragohain, York University, Toronto*
- Scientists in Philanthropy's Image: Private Foundations and the Fostering of Technoscientific Innovators *Matthew Wisnioski, Virginia Tech*

Session Organizer:

Hebe Vessuri, Research Center of Environmental Geography (CIGA) UNAM

Chair:

Hebe Vessuri, Research Center of Environmental Geography (CIGA) UNAM

087. That Which Arises from the (Human or Mechanical) Eye

4:00 to 5:30 pm
ICC: E5.10

Participants:

- Shadow of gender: "Lena" in the eyes of her users in China *Dian Zeng, Tsinghua University*
- Partially-sighted Cyborgs: debunking myths, exposing the truth *Nalini Haynes, University of Canberra*
- A Digital Second Eye: An Ethnographic Study of Making Medical Imaging AI Development *Heesun Shin, Korea Advanced Institute of Science and Technology*
- Sensory ethnography and the bionic eye *Cordelia Erickson-Davis, Stanford University*

Session Organizer:

Dian Zeng, Tsinghua University

Chair:

Dian Zeng, Tsinghua University

088. Climate Change in Context: Local Use, Creation, and Interaction with Science

4:00 to 5:30 pm
ICC: E5.3

Participants:

- Climate Science in the US National Parks: Scale, Politics, and Contingency *Michelle Kathleen Sullivan Govani, Arizona State University*
- Transformations for sustainability in dynamic deltas? A Critical Analysis of Systems Approaches to Social Change *Anna Wesselink, Department of Integrated Water*

Systems and Governance, UNESCO-IHE Institute for Water Education; Oliver Fritsch, University of Leeds; Jouni Paavola, University of Leeds

What Do Local Officials See in Participatory Technology Assessment for Climate Adaptation? *Nicholas Weller, Arizona State University; Mahmud Farooque, Consortium for Science, Policy & Outcomes, Arizona State University; Ira Bennett, Arizona State University*

Science Policy, Climate Science and Doing Subnational Climate Assessments *Christine Kirchhoff, University of Connecticut*

Session Organizer:

Michelle Kathleen Sullivan Govani, Arizona State University

Chair:

Nicholas Weller, Arizona State University

089. Metabolic Relations, Subjects, Differences

4:00 to 5:30 pm

ICC: E5.4

Participants:

Optimizing food through or without technologies? Nutritionalization in France, from digital health to fasting revival *Tristan Fournier, CNRS, Sébastien Dalgalarrondo, EHESS/CNRS*

Mining Experience for Methods *Elspeth Oppermann, Charles Darwin University*

Doing Energy or Commensality? Some dissonances between dietary guidelines and social eating practices *Elsher Lawson-Boyd, University of Sydney*

Embodied Transformations: Standardizing Movement in Australian Metabolism Research of "Subsistence" and Wage-earning populations in Papua New Guinea *Sandra Widmer, York University, Canada*

Beyond Homeostasis *Hannah Landecker, University of California, Los Angeles*

Session Organizer:

Sandra Widmer, York University

090. Organisms and Us in Dialogue

4:00 to 5:30 pm

ICC: E5.5

Participants:

Birds as Designers and Insects as Clients, or Limits to Participation in Participatory Creativity *Stanislav Roudavski, University of Melbourne*

Experimenting in Multispecies Multidisciplinary Microbial Research: Doing STS, Doing Biology, and Doing Yeast *Erika Amethyst Szymanski, University of Edinburgh*

Human-Plant Relations in Scientific Practice: Epistemology in the Vegetal Realm *Laura May Ruggles, University of Adelaide*

Researcher-Native Relations: Situating Emerging Animal Models in Australian Science *Rachel Ankeny, The University of Adelaide; Karina Burns, University of Adelaide*

Scaling the CandidaHomo Ecology: Candida-writing Across Spacetimematter *Tarsh Bates, The University of Western Australia*

Vaccines' Intricacies and Elusive Biological Processes *Roberta Pala, University of New South Wales*

Session Organizer:
Rachel Ankeny, University of Adelaide

091. Curating Third Space – Transdisciplinary Knowledge At The Intersection Of Art, Science And The Public

4:00 to 5:30 pm
ICC: E5.6
Participants:
Panel Presenter 1 *Katie Dyer, Museum of Applied Arts and Sciences*
Panel Presenter 2 *Lynn Froggett, UCLAN*
Panel Presenter 3 *Jill Bennett, UNSW*
Panel Presenter 4 *Lisa Bailey*
Session Organizer:
Lizzie Muller, UNSW
Chair:
Lizzie Muller, UNSW

092. COMPOSTING Feminisms and Environmental Humanities 4. Beginnings and Endings

4:00 to 5:30 pm
ICC: E5.7
Participants:
Composting Feminisms and Environmental Humanities: A Critical Genealogy *Jennifer Mae Hamilton, Unversity of New England; Astrida Neimanis, University of Sydney*
Turning over the compost: Feminisms in the world-ecology framework *Rebecca Pearse, University of Sydney*
Composting Feminisms: Queer Ecology & Val Plumwood's "Eye of the Crocodile" *Ariana Russell, University of Sydney*
Composting Death *Jennifer Loureide Biddle, National Institute of Experimental Art, UNSW Art & Design*
Session Organizer:
Jennifer Mae Hamilton, Unversity of New England
Chair:
Lindsay Kelley, UNSW Art & Design
Discussant:
Susanne Pratt, University of Technology Sydney

093. Diversifying Agri-food STS Scholarship Across Transnational Borders II

4:00 to 5:30 pm
ICC: E5.8
Participants:
Seed-Links: Connecting You to Your Food Web through the Visualisation of Diverse Agri-Food Systems *Fern Wickson, GenØk Centre for Biosafety; Amaranta Herrero, GenØk Centre for Biosafety; Rosa Binimelis, GenØk Centre for Biosafety & University of Vic*
The Technology Politics of Mechanizing Crops: Insights from Californian Agriculture *Alastair Iles, University of California, Berkeley; Patrick Baur, University of California,*

Berkeley; Ayla Peters, University of California, Berkeley; Brenly Stapley, University of California, Berkeley

The Web of Transnational Cultivation and Benevolence: Taiwan's contemporary networking of alternative farming and self-help agronomy *Yi-tze Lee*

Understanding Processing: Mega Food Parks and Technological Interactions in the Indian Food System *Barkha Satish Kagliwal, Cornell University*

Session Organizers:

Alastair Iles, University of California, Berkeley

Gyorgy Scrinis, University of Melbourne

Chairs:

Gyorgy Scrinis, University of Melbourne

Alastair Iles, University of California, Berkeley

094. Collecting as a Hobby: An STS Exploration

4:00 to 5:30 pm

ICC: E5.9

Participants:

Constructing Collection: Possibilities and Perspectives *Ravi Shukla, Jawaharlal Nehru University*

Displaying Expertise: Science Fair Collections and Adolescent Scientific Communities in the United States, 1928-1957 *Sarah Scripps, University of Wisconsin, Stevens Point*

Everything Old is New Again: Thrift Store Collecting *Dawn Neill, Cal Poly State University, San Luis Obispo*

Session Organizer:

Ravi Shukla, Jawaharlal Nehru University

Chair:

Ravi Shukla, Jawaharlal Nehru University

095. Dyason Lecture 2018 by Professor Helen Verran: Dancing with Strangers: Imagining an Originary Moment for Australian STS

Special Event

6:00 to 7:30 pm

Outside Venue: State Library of NSW, Macquarie St

Session Organizer:

Helen Verran, Charles Darwin University

096. Queer/STS Meet-up

Special Event

8:00 to 9:30 pm

Outside Venue: Beauchamp Hotel, 267 Oxford Street, Darlinghurst.

Session Organizers:

Kane Race, University of Sydney

Anne Pollock, Georgia Tech

Friday, August 31

097. National Committee for History and Philosophy of Science Meeting

Business Meeting
7:30 to 9:00 am
ICC: E5.6
Session Organizer:
Joan Leach, Australian National University

098. The Invisible Aspects of Infrastructure 1: Knowledge, Research & Education

9:00 to 10:30 am
ICC: C2.1
Participants:

Prototypes for Openness: Platforming Non-Commercial Open Science Infrastructures *Kyle Harp-Rushing, University of California, Riverside*

Upturning Infrastructure: Obfuscation, Invisibility, and the Material Contours of Knowledge Infrastructures *Robert Montoya, University of California, Los Angeles; Gregory Leazer, University of California, Los Angeles*

The Room Where It Happens: The Hidden "Business" of Infrastructure in Social Science Data Archives *Kalpana Shankar, University College Dublin; Rachel Williams, Simmons College; Kristin Eschenfelder, University Of Wisconsin-Madison*

Session Organizer:
Sally Wyatt, Maastricht University
Chair:
Tim Jordan, University of Sussex
Discussant:
Sally Wyatt, Maastricht University

099. TRANS-disciplinary Research Through STS Practice

9:00 to 10:30 am
ICC: C2.2
Participants:

A Spectrum of Collaboration: From Co-operation to Co-production *Suzanne Vallance, Lincoln University; Andreas Wesener, Lincoln University; David Conradson, University of Canterbury; Sarah Edwards, Lincoln University; Hirini Matunga, Lincoln University*

A guide to the social study of science and technology within the context of transdisciplinary research: challenges, pitfalls and optimism *Casimir MacGregor, BRANZ; Claire Tanner, University of Melbourne*

Co-Production And Consensus: Doing Ethnography In a Collaborative Research Partnership *Victoria Loblay, Menzies Centre for Health Policy, The Australian Prevention Partnership Centre; Katie Conte, Menzies Centre for Health Policy, The Australian Prevention Partnership Centre; Sisse Groen, Menzies Centre for Health Policy, The Australian Prevention Partnership Centre; Amanda Green, NSW Office of Preventive Health; Christine Innes-Hughes, NSW Office of Preventive Health; Andrew Milat, Centre for Epidemiology and Evidence; Lina Persson, Centre for Epidemiology and Evidence; Mandy Williams, South Western Sydney Local Health District; Sarah*

Thackway, Centre for Epidemiology and Evidence; Jo Mitchell, Centre for Population Health; Penny Hawe, Menzies Centre for Health Policy, The Australian Prevention Partnership Centre

Re-configuring relationships and practice for sustainable change *Virginia Baker, ESR Institute of Environmental Science & Research Ltd; James Ataria, NZ*

Understanding the Emergence of a Hybrid Knowledge Production Discourse: The Case of the Generation Challenge Programme (GCP) Drought Tolerant Rice Research in India *Soutrik Basu, Institute of Development Studies, Kolkata*

Session Organizer:

Casimir MacGregor, BRANZ

Chair:

Casimir MacGregor, BRANZ

100. Decolonising the Deep Past: Archaeological Narratives, Human Origins and Indigeneity

9:00 to 10:30 am

ICC: C2.3

Participants:

Lost in translation: stone tool collecting and Tasmanian Aboriginal cultural endurance *Rebe Taylor, University of Tasmania*

The New Old World: global archaeological narratives in late twentieth-century Australia *Billy Griffiths, Deakin University*

Universalism, historical difference, and modern human origins *Martin Porr, University of Western Australia; Jacqueline Matthews, Monash University*

Session Organizer:

Billy Griffiths, Deakin University

Discussant:

Lynette Russell, Monash University

101. Global Darwin Down Under

9:00 to 10:30 am

ICC: C2.4

Participants:

Doing Darwin Down Under: Old Problems, New Challenges *Evelleen Richards, University of Sydney*

Darwin and Recent Biography *James Bradley, University of Melbourne; Roderick Buchanan, University of Melbourne*

Charles Darwin, Indigenous People and the 'Mysterious Agency' of Colonisation *Kathleen Butler, University of Newcastle*

Monkey Business: Darwin, Gender and Management Science *Cordelia Fine, University of Melbourne; James Bradley, University of Melbourne*

Darwinism: The History of a Contested Concept *Ian Hesketh, Institute for Advanced Studies in the Humanities*

Session Organizer:

Evelleen Richards, University of Sydney

Discussants:
Mark S. Micale, University of Illinois, Urbana-Champaign
Ruth Barton, University of Auckland
Alison Bashford, UNSW
Paul Griffiths, University of Sydney

102. Innovations in Methods and Theory

9:00 to 10:30 am
ICC: C2.5

Participants:

Mobile Momentum: Conceptualizing the Social and Technological Changes of Mobile Communication *Colin Agur, University of Minnesota*

Scenarios And Simulations - Methods For Constructing Futures *Joshua Loughman, SFIS - Arizona State University*

The metamodernist paradigm on STS methodologies *Martin Andrés Perez Comisso, SFIS - Arizona State University*

Does Your Computer Know You Better Than You Do? *Amelie Angie Laura Berge Soraruff, University of Dundee*

Going Longitudinal: Proposed Follow-up of a 1983 Data Set *John McCamy Wilkes, WPI/retired professor*

Session Organizer:
Colin Agur, University of Minnesota

Chair:
Colin Agur, University of Minnesota

103. Doing Science in Asia: Linkages and Tensions

9:00 to 10:30 am
ICC: C2.6

Participants:

Dead Cat, Live Cat, If Schrodinger's Cat Catches Mice, It's a Good Cat: Organizational Chimerism *Abigail Coplin, Columbia University*

The Emergence and Development of Cross National Knowledge Sharing: Case Studies of International Collaborative Projects in South Korea *Soo A Lee, Georgia Institute of Technology*

Evaluation of the Salary Status of Scientific and Technological Workers in China *Guang Yang, NAIS, CAST; Yanni Wang, National Academy of Innovation Strategy*

The Language of Gendering: A Feminist Analysis of Gender Strategies Adopted by Women in Science Research Organisations in India *Astha Jaiswal, Central University of Gujarat*

Session Organizer:
Anju Mary Paul, Yale-NUS College

104. A Critical Look into the Classification of Emerging Entities

9:00 to 10:30 am
ICC: E3.10

Participants:

Labeling in an Emergent Food Category: Informative or Performative? *Tomiko Yamaguchi, International Christian University*

The Herb Pharmaceutical Industry in South Korea *Eunjeong Ma, Pohang University of Science and Technology*

Emerging Biomedical Technology and Healthcare System in Developing Economies *Nidhi Singh, Jawaharlal Nehru University*

Session Organizer:

Tomiko Yamaguchi, International Christian University

Chair:

Eunjeong Ma, Pohang University of Science and Technology

105. Carson Book Prize for "Life Support: Biocapital and the New History of Outsourced Labor" by Kalindi Vora: Author Meets Critic

9:00 to 10:30 am

ICC: E3.2

Participants:

Chia-Ling Wu,*National Taiwan University*

Kaushik Sunder,*, University of Chicago*

Shobita Parthasarathy*, University of Michigan*

Session Organizer:

Timothy Choy, University of California, Davis

Chair:

Sara Wylie, Northeastern University

Discussant:

Kalindi Vora, University of California, San Diego

106. Personhood, Law, and Relationality Amidst the New Biosciences I

9:00 to 10:30 am

ICC: E3.3

Participants:

Kins, Chimeras, Controversies: The Challenges of Public Debate and Engagement over Interspecies Id/entities *Myra Cheng*

Where is the genomic person? biolegal platforms, boundaries, unmoored persons *Samuel Taylor-Alexander, Monash University*

Can Nonhuman Author? Challenges for Anthropocentric Copyright Laws *Shun-Ling Chen, Institutum Iurisprudentiae, Academia Sinica*

Midata.coop And The Transactional Legalities Of Precision Medicine *Declan Liam Kuch, UNSW; Georgia Miller, UNSW; Matthew Kearnes, UNSW*

'The proof is in my chromosomes': Translating radiation exposure into legal liability and state culpability. *Catherine Trundle, Victoria University of Wellington*

Session Organizer:

Sonja Van Wichelen, University of Sydney

Chair:

Marc De Leeuw, UNSW

Discussant:

Torsten Heinemann, RWTH Aachen University

107. Science and Technology Studies on Transnational Complementary and Alternative Medicine (CAM)

9:00 to 10:30 am

ICC: E3.4

Participants:

'A Love That Dares Not Speak Its Name': How is Psychotherapy Discursively Constructed in Australia? *Tim Johnson-Newell, University of Wollongong*

Modernity and Hybridity: Regulation and Anarcho-Herbalism *Nayeli Urquiza, University of Kent*

Publication activity in complementary and alternative medicine revisited, 1966-2016 *Jenny-Ann Brodin Danell, Umeå University; Pia Vuolanto, University of Tampere; Rickard Danell Umeå University*

Transnational Chinese Medicine: How Academic Chinese Medicine is Configured in Australian and UK Universities *Caragh Brosnan, University of Newcastlea*

Session Organizer:

Jenny-Ann Brodin Danell, Umeå University

108. Mixing and Matching: Interdisciplinarities, Case Studies and Emergence

9:00 to 10:30 am

ICC: E3.5

Participants:

Investigating Evolving Current Practices with Mixing Quantitative with Qualitative Methods *Ann Judith Morrison, University of Southern Queensland; Jacki Liddle, University of Queensland; Sabiha Ghellal, University of Applied Science Stuttgart*

What is scientific proof? --- A new workshop-style class for graduate students *Tsuyoshi Hondou, Tohoku University*

Philosophy of Science Meets STS: A Combined Science-as-practice Perspective on Interdisciplinarity *Miles MacLeod, University of Twente; Martina Merz, Universität Klagenfurt, Austria*

Session Organizer:

Ann Judith Morrison, University of Southern Queensland

Chair:

Ann Judith Morrison, University of Southern Queensland

109. Platform Practices and Predictive Seeing 1

9:00 to 10:30 am

ICC: E3.6

Participants:

Accuracy for Carbon: Visualizing and Financializing Forest Life *Cindy Lin, University of Michigan*

Automated Capitalism and the Aesthetics, Epistemology and Politics of the Chart *Liam Magee, Western Sydney University; Ned Rossiter, Western Sydney University*

Every Image An Eigenimage *Anna Munster, University of New South Wales*

Patterns of Life and Predictive Killing: Image Processes, Drone Strikes and Death by Algorithm *Michael Richardson*

Refined Algorithm Vs. Vulgar Image: Disassemble the Representations of Chinese Working-class Youths Through Online Platform *Jiaxi Hou, University of Tokyo*

Session Organizers:
Adrian Mackenzie, Lancaster University
Anna Munster, University of New South Wales

Chair:
Adrian Mackenzie, Lancaster University

110. Translating the History of Science Across Cultures: Cases from 1600-1900

9:00 to 10:30 am
ICC: E3.8

Participants:

Indefatigable Azara: A Spanish Naturalist in South America *Anna Toledano, Stanford University*

Between Tongues: Magic and Medicine in G.E. Rumphius' Het Amboinsch Kruydboek and Malay Kitab Tibb/Kitab Obat-Obatan *Genie Yoo, Princeton University*

Scientific Women and Scientific Exploration: Gender and Erasure in Colonial Science *Megan Baumhammer,Princeton University*

Session Organizer:
Megan Baumhammer,Princeton University

Chair:
Hans Pols, University of Sydney

111. Doing STS in the Post-Soviet world: The Regression of Progress

9:00 to 10:30 am
ICC: E3.9

Participants:

Cultural Characteristics of Technological Entrepreneurship in Russia *Olga Bychkova, European University at St. Petersburg*

In Search for New Identity of Science Communicators in Russia: Between Science Propaganda and Popular Science Communication *Andrey Kozhanov, Higher School Of Economics, Moscow*

Sociotechnical discrepancies in the Russian digital economy *Liliia Zemnukhova, European Univeristy at St. Petersburg*

Session Organizer:
Olga Bychkova, European University at St. Petersburg

Chair:
Olga Bychkova, European University at St. Petersburg

Discussants:
Svetlana Moskaleva, European University at St. Petersburg
Liliia Zemnukhova, European Univeristy at St. Petersburg

112. How Do Governance Mechanisms for Science and Technology Travel Across Borders? 1

9:00 to 10:30 am
ICC: E5.1

Participants:

3D Printing Governance: transitions of local, global, physible and digital imaginaries *luke heemsbergen, Deakin University; Angela Daly, QUT; Thomas Birtchnell, University of Wollongong*

Blinded by Technology? Genome Editing for Blindness and the Articulation of an Off-Target Problem *Seungho Yang, Seoul National University; Ga Eun Lee, Seoul National University; Doogab Yi, Seoul National University*

Domestic chemical regulator behavior and international influences *Stefan Lodewyckx, Swinburne University of Technology; Erica Coslor, University of Melbourne*

Friction in xenotransplantation: US and Australian regulatory responses to xenozoonosis *Rachel Carr*

From emulation to adaptation: nanotechnology policies in Argentina, Brazil and Mexico *Noela Invernizzi, Universidade Federal do Parana; Guillermo Foladori, Universidad Autonoma de Zacatecas; Edgar Zayago Lau, Universidad Autonoma de Zacatecas; Tomás Carrozza, Universidad Nacional de Mar del Plata; Josemari Poerschke Quevedo, Federal University of Paraná*

Session Organizers:

Koen Beumer

Noela Invernizzi, Universidade Federal do Parana

Chair:

Koen Beumer

113. Trans/national Politics of Race, Racism, and Anti-Racism

9:00 to 10:30 am

ICC: E5.10

Participants:

Science After Apartheid: Trans/national Aspirations for Science for a Democratic South Africa *Anne Pollock,Georgia Tech*

The 'Asian BMI' and Logics of Difference in Biomedicine *Mallory Fallin, Northwestern University*

Race/ethnicity and genome-based drug toxicity studies *Shirley Sun, Nanyang Technological University*

Session Organizer:

Anne Pollock, Georgia Tech

Chair:

Melissa Creary, University of Michigan

114. Something from Nothing: Exploring Non-discovery and Negative Claims

9:00 to 10:30 am

ICC: E5.2

Participants:

Methods to Study Gaps: The Ethics of the Invisible *Marcus Foth, Queensland University of Technology; Ann Light, University of Sussex; Sara Heitlinger, Newcastle University; Aleesha Joy Rodriguez, Queensland University Of Technology*

The Case of the '750 GeV': Exploring 'non-discovery' and Transformations in High Energy Experimental Physics at the Large Hadron Collider *Sophie Ritson, Alpen-Adria Universität Klagenfurt / Wien / Graz*

"There is no such thing as depression": How Claims of Non-existence Transform the Epistemic Infrastructure of Psychiatric Knowledge Production *Thomas Lemke; Jonas Rueppel, University of Frankfurt*

Tidy Thoughts On Creativity *Peter Müller, Technical University Munich*

The Strength of Being Inconclusive: Weakness of Evidence and Environmental Shift of Genetics of Sexual Orientation *Michel Dubois, Epidapo - CNRS - GW*

Session Organizer:

Sophie Ritson, Alpen-Adria Universität Klagenfurt / Wien / Graz

Chair:

Helene Sorgner, Alpen-Adria-Universität Klagenfurt / Wien / Graz

115. Climate, Science and Empire: Bridging Historical and Current Developments

9:00 to 10:30 am

ICC: E5.3

Participants:

'Climate Does Not Change': Agricultural Capitalism, Climatology, and the Stabilization of Climate, 1850s-1900 *Zeke Baker, University of California, Davis*

Farming Outside the Lines: Rain Follows the Plow in 21st Century Art and Popular Culture *Susan Elizabeth Swanberg, University of Arizona*

Indigenous knowledges and adaptation to a changing climate *Sophie Adams, UNSW*

Sustainable accounting mechanism: an approach for bridging historical and current developments in the globalized era *Md. Hafiz Iqbal, Government Edward College, Bangladesh*

The Mekong Delta Plan and the transnational governance of climate change adaptation in Vietnam *Jacob Weger, University of Georgia*

Session Organizer:

Zeke Baker, University of California, Davis

116. 'Evidence-making Intervention': Transforming Implementation Science 1

9:00 to 10:30 am

ICC: E5.4

Participants:

Performing 'Evidence' at Scientific Conferences: the Making of Treatment Promise in the Hepatitis C Elimination Era *Kari Lancaster, UNSW*

Data as Practice: Measuring Outcomes in Australian Poverty Interventions *kylie valentine, UNSW*

Evidence-Making in Expert Accounts of Cancer Screening: Views of Australian Health Professionals *Kiran Pienaar, Monash University; Alan Petersen; Diana M Bowman, Arizona State University; Stephen Derrick*

Qualifying Leaky Vaccines: The Case of a Malaria Vaccine *Janice Graham, Dalhousie University; Koen Peeters Grietens, Antwerp Institute of Tropical Medicine*

Generating "evidence-based guidelines" in integrated care programs: translations and requalifications *Nathan Charlier, University of Liege*

Session Organizer:
Kari Lancaster, UNSW
Chair:
Kari Lancaster, UNSW

117. Digital Imperialism: Colonizing Everyday Lives in the Global South I: Infrastructures of Power

9:00 to 10:30 am
ICC: E5.5
Participants:
Data Centers as Infrastructures of Empire *Brett Neilson, Western Sydney University*
Data, infrastructure, citizenship: of illegal immigration and a citizen identification project *Khetrimayum Monish Singh, The Centre for Internet and Society*
Dealing with Shortage, Overflow and Containment of 'Information' when Disaster strikes: Case of Nepal's 2015 Earthquake and its Responses *Sohan Prasad Sha, Martin Chautari, Kathmandu*
Locating Infrastructures: The Aesthetics of Mobile Coverage in Fiji *Heather Horst, University of Sydney*
Session Organizer:
Marine Al Dahdah, Cermes3

118. Lost in Translation: (The Politics of) Expertise in Legal and Regulatory Translation Spaces Session 1

9:00 to 10:30 am
ICC: E5.6
Participants:
"Dirty" Experts in US and Australian Law: A Comparative Perspective on the Use of Consulting Experts to Manipulate Testifying Scientific Experts *David Caudill, Villanova University*
Science Anti-Science and the 'Right to Know' *David Mercer, University of Wollongong*
Translating forensic science for judges and jurors: Re-assessing trial safeguards and legal deconstruction *Gary Edmond, UNSW*Transitioning from Detective to Scientist: The Translation and Reconstruction of Expertise in Fire and Arson Investigation *Rachel Dioso-Villa, Griffith University*
Technological Consequences of Miscarriages of Justice: The West Virginia University Hitchhiker Murders and Personal Rapid Transit Revisited *Simon A Cole, University of California, Irvine*
Expert Capacity in Citizen Science Collaboration *Gwen Ottinger, Drexel University; Kristen Kepics, Drexel University*
Session Organizer:
David Caudill, Villanova University

119. Messing with Methods in More-than-Human Worlds I

9:00 to 10:30 am
ICC: E5.7

Participants:

Hospice for a Dying Species: Institutionalizing Semi-Wild Orangutans *Juno Salazar Parrenas, Ohio State University*

Becoming Flock *Anne Galloway, Victoria University of Wellington*

Messing with methods in mud with pigs and mangroves *Kate Judith, UNSW; Hélène Ahlberger Le Deunff, University of Sydney*

Session Organizer:

Anne Galloway, Victoria University of Wellington

Chair:

kat Jungnickel, Goldsmiths

120. Bioeconomies - Life, Technologies, and Capital in the 21st Century I: Frictions, Values and Prospective Markets Across Global Bioeoconomies

9:00 to 10:30 am

ICC: E5.8

Participants:

Bioprospecting Networks and Biotech Knowledge Economies *Alberto Eduardo Morales, University of California, Irvine*

'Having a structuring effect on Europe'. The Innovative Medicines Initiative and the Construction of the European Health Bioeconomy *Luca Marelli, IEO*

The Good Economy: From What The Bioeconomy Is To What The Bioeconomy Does *Kristin Asdal, University of Oslo; Béatrice Cointe, University of Oslo; Bård Hobæk, University of Oslo; Tone Huse, University of Oslo; Tommas Måløy,University of Oslo*

The Networks we see vs the Networks we have: Key Actors and Discourses in Germany's Wood-Bioeconomy *Alex Giurca, University of Freiburg*

The New Biopolitics of Eating: Meat Biofabrication and the Post-Animal Bioeconomy *Elisabeth Abergel, Université du Québec à Montréal*

Conjuring bioeconomies through frictions *Pierre Delvenne, Université de Liège (SPIRAL)*

Session Organizer:

Vincenzo Pavone, Consejo Superior Investigaciones Cientificas (CSIC)

Chair:

Sara Lafuente Funes, Institute of Public Goods and Policies (IPP), Spanish National Research Council (CSIC)

121. Post-Cyber Feminism: Mutations in Australian Feminist Technoscience

9:00 to 10:30 am

ICC: E5.9

Participants:

A SPELL TO BIND ALL MALE CONFERENCE PANELS: A site specific performance/paper *Linda Stupart, University of Reading*

Big Mother Infrastructures: The (Il)Logics of Invisible Provision *Zoe Sofoulis*

Alien Nation: Tracing The Other in Xenofeminism *Xiaoran Shi*

Between// Around *Nicholas Brocchi, Griffith University*

Creative mutations: queering cyber-feminisms in artistic research *Anna Helme, University of Melbourne*

Flesh Machine and Mutant Bodies: Lab-Grown Life in Australian Feminist BioArt *Elizabeth Stephens, University of Queensland*

Session Organizers:

Thao Phan, University of Melbournea
Sally Olds, University of Melbourne
Emma Black, University of Queensland

Chairs:

Sally Olds, University of Melbourne
Emma Black, University of Queensland
Thao Phan, University of Melbourne

122. The Invisible Aspects of Infrastructure 2: Privacy, Security, Surveillance

11:00 to 12:30 pm
ICC: C2.1

Participants:

Demonstrating Cyber Security: Making Invisible Breaches Visible *Jessamy Perriam, Open University*

Probing the Political-Economic and Social Dimensions of Present Information Technology Development in Mainland China *Michael Unger Kowen, Universiyt of California, Berkeley*

The Other Computing Counterculture: Community Memory's Public Computing Terminals *Joseph Richard DeLeon, University of Michigan*

Session Organizer:

Tim Jordan, University of Sussex

Chair:

Sally Wyatt, Maastricht University

Discussant:

Tim Jordan, University of Sussex

123. TRANS-disciplinary Research Through STS Practice Part 2

11:00 to 12:30 pm
ICC: C2.2

Participants:

Doing Narrative Science - A TRANS (disciplinary) strategy *Greg Williams*

Evolutionary Thought and Transdisciplinary Practices *Chessa Adsit-Morris, University of California, Santa Cruz*

Māori Views on Novel Biotechnologies for Controlling Pest Wasps in Aotearoa-New Zealand *Ocean Mercier, Victoria University of Wellington*

The influence of science funding agencies in fostering the co-creation of knowledge for use *James Arnott, University of Michigan*

Session Organizer:

Ruth Berry, BRANZ

124. Doing Cosmopolitics: Exploring Everyday Potentials Within STS Research

11:00 to 12:30 pm
ICC: C2.3

Participants:

Karrabing Filmmaking and the Aesthetic of Survivance *Elizabeth Povinelli, Colombia Univeristy*

The cosmopolitical of Indigenous Artistic intervention *Britt Kramvig, University of Tromsø*

Surrendering to the pull, inhabiting subterranean water worlds *Andrea Ballestero, Rice University*

Feeling our way: Experiential practices of Cosmopolitical inquiry *Endre Dányi, Goethe University, Frankfurt am Main; Michaela Spencer, Charles Darwin University*

Session Organizer:

Michaela Spencer, Michaela Spencer, Charles Darwin University and Endre Dányi, Goethe University, Frankfurt am Main

Discussant:

Helen Verran, Charles Darwin University

125. Racialised Bodies and Knowledges

11:00 to 12:30 pm

ICC: C2.4

Participants:

Sequencing Profits, Race And Identity: An Analysis Of Direct-To-Consumer Genetic Testing Of Ancestry *Hined A Rafeh, Rensselaer Polytechnic Institute*

Difference and Disease: Medicine, Race, and the Eighteenth-Century British Empire *Suman Seth, Cornell University*

From Boundary to Folded: the Spatial/Temporal Movements of Anthropometric Measurement Technologies and the Interfolding of "Race" and "Caste" *Thiago Pinto Barbosa, Leibniz-Zentrum Moderner Orient*

Hair, Hormones & Ghosts: How Race is Submerged in Polycystic Ovary Syndrome *Elizabeth Carlin, CUNY Graduate Center; Brandon Kramer*

Session Organizer:

Hined A Rafeh, Rensselaer Polytechnic Institute

Chair:

Hined A Rafeh, Rensselaer Polytechnic Institute

126. Trans-organisational Collaboration in Different Sectors: Epistemic Values and the Dynamics of Co-production

11:00 to 12:30 pm

ICC: C2.5

Participants:

Competition and the Transformation of Academic Labs in Biomedical Sciences in the 1980s *Annalisa Salonius*

Connecting People, Things and Values: Public/Private Research Relations *Jane Vedel, Copenhagen Business School; Andrew Webster, University of York*

The Challenges and Potential for Collaboration between Wind Energy Scientists and Engineers and Environmentalists *Nicolas Hernandez, University of Texas at El Paso*

Research Policy As Industry Policy: Reconfiguring Scientific and Social Value(s) in Australian Medical Research *Georgia Miller, UNSW; Matthew Kearnes, UNSW; Declan Liam Kuch, UNSW*

Session Organizers:
Jane Vedel, Copenhagen Business School
Andrew Webster, University of York
John Grant Gardner, Monash University

Chairs:
Jane Vedel, Copenhagen Business School
Andrew Webster, University of York

Discussant:
Matthew Kearnes, UNSW

127. The Making of Asian Science: Comparative and Historical Perspectives

11:00 to 12:30 pm
ICC: C2.6

Participants:

"Asian Science", as understood by Western-trained, Asian-born Scientists *Anju Mary Paul, Yale-NUS College*

Institutionalisation And Professionalisation of Science in Pre-Independence Era: A Case of Indian Science Congress Association *Sneha Sinha, Jawaharlal Nehru University*

Origin and Operation of the Chinese Academy of Engineering: An Interaction between Expertise and Politics *Nan Wang, University of Chinese Academy of Sciences*

Evolution of Biotechnology in India: Historic and Epistemic Trajectories *Abhinav Tyagi, Indian Institute of Technology Bombay*

Session Organizer:
Anju Mary Paul, Yale-NUS College

128. Contested Academic Norms - Unraveling Evaluation Discourses and Practices in an Age of "Excellence" I: Globalisation and the Making of Academic Excellence

11:00 to 12:30 pm
ICC: E3.10

Participants:

Current Internationalization Policies And Its Impacts On The Practices Of A Global South Scientific Community *Maria Cristina de Oliveira Cardoso, UFRJ - HCTE; Claudia Santos Turco, HCTE-UFRJ / FIOCRUZ; Edmar Machado Braga Filho, Federal University of Rio de Janeiro; Marcos Fialho Carvalho, UFRJ - HCTE; Heloisa Helena Costa, Universidade Federal Fluminense; Denise Cristina Alvares Oliveira, Federal University oh Rio de Janeiro - UFRJ; Juliana Coutinho Oliveira, HCTE-UFRJ; Eduardo Nazareth Paiva*

Establishing Excellence in Collective Efforts: The Case of Experimental High-Energy Physics *Helene Sorgner, Alpen-Adria-Universität Klagenfurt | Wien | Graz*

The Construction of Academic Excellence and University Responsibility in Taiwan *Ming-Te Peng, Goldsmiths*

Gendered Representations of Excellence in Evaluation Discourses and Practices in Academia *Andrea Wolffram, RWTH Aachen University*

Dramatic interaction between professors and students within educational technology. *Shui Kau Chiu, Hong Kong Polytechnic University*

Majorism: Neoliberalism in Student Culture *Coleen Carrigan, California Polytechnic State University*

Session Organizer:
Marie Sautier, University of Lausanne
Chair:
Marie Sautier, University of Lausanne
Discussant:
Grit Laudel, TU Berlin

129. Personhood, Law, and Relationality Amidst the New Biosciences II

11:00 to 12:30 pm
ICC: E3.3
Participants:
Racial Futurity: Biolegality and the Question of Black Life *Nadine Ehlers, University of Sydney*
The Transmissive Womb: Rethinking Race in Gestational Surrogacy through Environmental Epigenetics *Jaya Keaney, University of Sydney*
Narrative Epistemology in Jurisprudence and Elective Affinities in Productions of Responsibility for Persons in Pain *Seamus Barker, University of Sydney*
Unrighteous Ambiguity: Reproductive Technology and navigations of maternal, fetal, infant and paternal personhood *Debbi Long, RMIT University, Melbourne*
Bio-Polygraphs, Nonconsensual Data, and the Suspicious Body of the Unaccompanied Minor *Zsuzsanna Dominika Ihar, University of Sydney*
Session Organizer:
Marc De Leeuw, University of New South Wales
Chair:
Sonja Van Wichelen, University of Sydney
Discussant:
Jennifer Hamilton, Hampshire College

130. The Medicalization of Aging

11:00 to 12:30 pm
ICC: E3.4
Participants:
Putting Age on Ice: Constructing Timelines of Risk in the Development of Gamete Cryopreservation *Ashlyn Jaeger, University of California, Davis*
Rural Elders: Exploring How Medicalisation Of Ageing Impacts On Conceptions Of Ageing In Rural Australia *Ann Lawless*
Resisting and embracing technologies of aged care: Representations and practices of older people *Raelene Wilding, La Trobe University*
How are Cancer Treatment Recommendations and Decisions Reached With/ For Older Adults with Dementia? *Peta S Cook, University of Tasmania; Alexandra McCarthy, School of Nursing, University of Auckland*
Session Organizer:
Peta S Cook, University of Tasmania

131. STS Institutes and Programs: What's Working? What's Not? What's Next?

11:00 to 12:30 pm
ICC: E3.5
Participants:

- Integrating Engineering Education with the Liberal Arts *David E Drew, Claremont Graduate University; Louis Larry Bucciarelli, MIT*
- Helping technologists to teach themselves ethics *Greg Adamson, IEEE SSIT*
- Trans-Continental Lessons in Problem-Centred STS Institution Building *Joan Leach, Australian National University; Sujatha Raman, Australian National University*
- Going Down the Rabbit Hole: Adventures, Reflections and Confessions of a Newcomer to the Science Technology and Society Realm *Jeffry Will, University of North Florida*

Session Organizer:
Allison Marsh
Chair:
Allison Marsh
Discussant:
Allison Marsh

132. Platform Practices and Predictive Seeing 2

11:00 to 12:30 pm
ICC: E3.6
Participants:

- Resisting Visualizations. A cross-species and cross-field comparative exploration – Part 2 *Ann Rudinow Saetnan, NTNU; Rocco Bellanova, University of Amsterdam*
- The Techno-Ontology of Prognosis *Karin Sellberg, University of Queensland*
- The View from the GPU: Graphics Processing Units Solve the Unsolvable *Adrian Mackenzie, Lancaster University*
- Visualizing transnational threats across the internet *Andrew Clement, University of Toronto*
- When Images Become Logic *Monica Monin, University of Technology Sydney*

Session Organizers:
Adrian Mackenzie, Lancaster University
Anna Munster, University of New South Wales
Chair:
Anna Munster, University of New South Wales

133. Disrupting, Broadcasting and Commercializing science

11:00 to 12:30 pm
ICC: E3.8
Participants:

- An Archaeology of Mindhunting: Portraits of the Serial Profiler as a Figure of Reflexivity *Frederic Claisse, Université de Liège*
- Brand Deals And Patrons: Alternate Funding Structures In Science Content On Youtube *Brian Pleasants Harper, Indiana University, Bloomington*
- Disruptive Innovation, Predictive Analytics, and the Soft Determinism of the Fourth Industrial Revolution *Grant Fisher, Korea Advanced Institute of Science and Technology*

; HyeJeong Han, Korea Advanced Institute of Science and Technology; Richard Sung, Korea Advanced Institute of Science and Technology

Monies, transactions, and relationship-building among Japanese academic bio-scientists – reconsidering the "economic logic" of commercialization *Nahoko Kameo, New York University*

Session Organizer:
Nahoko Kameo, New York University

Chair:
Nahoko Kameo, New York University

134. (Re)Thinking Mobilities and Chinese STS:" The Politics, Practices, and Cultural Logics of Diasporic Chinese Scientists in Technosciences, 1919–2018

11:00 to 12:30 pm
ICC: E3.9

Participants:

A Diasporic Travelogue of the Chinese Anti-Malaria Materia Medica' Yao' : 'Changshan' *Rey Calingo Tiquia, University of Melbourne*

Chinese Diaspora and Trans-national Science: Chao Yuen Ren and Cybernetics in Cold-War America *Chen-Pang Yeang, University of Toronto*

Chinese Dreams? American Dreams? Gendered Transnational Networks, Guanxi, and the Power of Reversed Migration *Diane Gu, University of California, Los Angeles*

The Revolt of Chinese "Red Engineers" —from the Department of Technological Sciences of Chinese Academy of Sciences, to the Independent Chinese Academy of Engineering *Zhihui Zhang, Chinese Academy of Science*

Transnational Mobilities of Expertise: Case Studies of Chinese Biomedical Scientists *Larry Au, Columbia University*

Session Organizer:
Diane Gu, *University of California, Los Angeles*

Chairs:
Diane Gu, *University of California, Los Angeles*
Vivian Wong, University of California, Los Angeles

Discussant:
Roli Varma

135. How Do Governance Mechanisms for Science and Technology Travel Across Borders? 2

11:00 to 12:30 pm
ICC: E5.1

Participants:

Of Bits and Pretzels and Bureaucracies: Regional Innovation Cultures and "Conservative Innovation" in Bavaria *Sebastian Michael Pfotenhauer, Technical University Munich; Alexander Wentland, Technical University of Munich; Luise M Ruge, Technical University of München*

Targeting Inequality through Science and Innovation Policy: Undone Science versus Inclusive Innovation *Thomas S Woodson, Stony Brook University; Logan Dawn April Williams, Logan Williams Cons. Svcs.*

Travelling Risk. The Governance of Nanotechnology Risk in India and South Africa *Koen Beumer*

When biobanks go global: ethical challenges and governance responses *Lisa Dive, Sydney Health Ethics; Edwina Light, Sydney Health Ethics; Miriam Wiersma, Sydney Health Ethics; Ian Kerridge, Sydney Health Ethics; Wendy Lipworth, Sydney Health Ethics, University of Sydney*

Session Organizers:

Koen Beumer

Noela Invernizzi, Universidade Federal do Parana

Chair:

Noela Invernizzi, Universidade Federal do Parana

136. Sensing Beyond Borders

11:00 to 12:30 pm

ICC: E5.10

Participants:

Reading a Wave Buoy *Stefan Helmreich, Massachusetts Institute of Technology (MIT)*

Palimpsestic Refusals: Vaccination and Felt Protection in Barbados *Nicole Charles, University of Toronto*

Sticky objects: towards an imploded global history of sensory education in medicine *Anna Harris, Maastricht University; John Nott, Maastricht University*

Tainted Flesh, Tangled Waters *Christy Spackman, Harvey Mudd College*

Sensing Food Safety at the Border *Heather Paxson, Massachusetts Institute of Technology*

Session Organizer:

Nicole Charles, University of Toronto

Chair:

Christy Spackman, Harvey Mudd College

137. 'Doing Time': Temporal Imaginaries, Performances, Practices, Infrastructures

11:00 to 12:30 pm

ICC: E5.2

Participants:

Trading with beamtime: Temporal economy in experimental physics *Filip Vostal, Institute of Philosophy of the Czech Academy of Sciences*

Academic waiting games: A paradox in an accelerated academy? *Ulrike Felt, University of Vienna*

The experimental rhythms of academic work *Fabian Cannizzo, RMIT University*

The performativity of permanent and temporal practice: The role of technology infusion *Natalie Hardwicke, University of Sydney*

Session Organizer:

Filip Vostal, Institute of Philosophy of the Czech Academy of Sciences

Chair:

Ulrike Felt, University of Vienna

138. Time of Predictions

11:00 to 12:30 pm

ICC: E5.3

Participants:

Risk as problem: The impossibility of prediction *Nicholas B. de Weydenthal, University Of Melbourne*

Asthmatic Attunement, Pollen Forecasting, and the Time of Climatic Epistemologies *Alison Kenner, Drexel University*

Environmental Amnesia as an Effect of Rhythmic Temporal Experience: The Dissonance of Climate Change *Ryan Kresge, Ithaca College*

Session Organizer:

Sebastien Nobert, Université de Montréal

Chair:

Timothy Neale, Deakin University

139. 'Evidence-making Intervention': Transforming Implementation Science 2

11:00 to 12:30 pm

ICC: E5.4

Participants:

Making 'Online Counsellings' Through Policy and Practice: Multiplicity, Friction and the Potential for Advocacy *Michael Savic, Monash University; Ella Dilkes-Frayne, Australian National University; Adrian Carter, Monash University; Renata Kokanovic, RMIT University; Victoria Manning, Monash University; Simone N Rodda, University of Auckland; Dan I Lubman, Monash University*

On The Construction Of Evidence: Medical Practices Of Identifying Sexual Violence *Ulrike Tikvah Kissmann, University of Kassel*

Between Boundary Objects and Trading Zones: Fugitive Thinking on the Cusp of Educational Policy and Practice. *Andrew McLachlan, University of Sydney*

Session Organizer:

Kari Lancaster, UNSWa

Chair:

Kari Lancaster, UNSW

140. Digital Imperialism: Colonizing Everyday Lives in the Global South II: Techno-Discourses and Resistances

11:00 to 12:30 pm

ICC: E5.5

Participants:

"Already Global Local": Complicating notions of innovation and expertise in Africa *Leah Horgan, University of California, Irvine; Angela Crandall Okune, University of California, Irvine*

Exploring National Policy, Practice and Global Narratives That Shape The Internet in Nepal *Nischal Regmi, Martin Chautari; shailesh pandey, Martin Chautari*

The Biometrics Regime As New Outpost of Technological Imperialism: Narratives From Peoples Everyday Lives In India *Rajiv Kumar Mishra, JNU*

Session Organizer:
Mathieu Quet, IRD

141. The Edible, the Moldy, and the Weedy: Speculative and Materialist Interventions into (Evading) Capitalist Capture

11:00 to 12:30 pm
ICC: E5.6

Participants:

Stachybotrys chartarum's Transpacific Migrations *Rachel C Lee, University of California, Los Angeles*

Healthy Harms and Fat-Free Futures *Athia Choudhury, University of Southern California*

Queering Physarum polycephalum *Aimee Bahng, Pomona College*

Preserving (American) Values, Preserving Race: Anatomical Models and the (Chinese) Human *Ari Heinrich, UCSD*

Session Organizer:
Aimee Bahng, Pomona College

Chair:
Melinda Cooper, University of Sydney

142. Messing with Methods in More-than-Human Worlds II

11:00 to 12:30 pm
ICC: E5.7

Participants:

More-than-human encounters with clothing: Experiments in sociological sewing *kat Jungnickel, Goldsmiths*

Food for thought: materialising the more-than-human in design pedagogy. *Danielle Wilde, University of Southern Denmark*

Rethinking using assemblages in more-than-human methods: Towards a decolonised toolkit? *Kim McLeod, University of Tasmania*

"Dammed Waters": On Multiple Ontologies, Materiality Of Infrastructure And Future Dams In South Africa *Thando Mcunu, University of Cape Town*

Session Organizer:
Larissa Hjorth, RMIT

Chair:
Jaz Hee-jeong Choi

143. Bioeconomies - Life, Technologies, and Capital in the 21st Century II: The Reproductive Bioeconomy

11:00 to 12:30 pm
ICC: E5.8

Participants:

Bioeconomies of Egg Provision in the United States and Spain: Comparing Medical Markets and Implications for Donor Care *Diane Tober, University of California, San Francisco; Vincenzo Pavone, Consejo Superior Investigaciones Cientificas (CSIC)*

From ARTs to TRCs: Egg donation as key for the Spanish reproductive bioeconomy *Sara Lafuente Funes, Institute of Public Goods and Policies (IPP) - Spanish National Research Council (CSIC)*

Perverse Markets: How the expanding ART bioeconomy in India contributes to the infertility-burden. *Bronwyn Parry, King's College London; Rakhi Ghoshal, Unitedworld School of Law*

Printing the body of the future: The bioeconomics of human bioprinting *Céline Lafontaine, University Of Montreal*

Regimes of value in the development of genetic tests, 1960 to the present *Steve Sturdy*

Session Organizer:

Vincenzo Pavone, Consejo Superior Investigaciones Cientificas (CSIC)

Chair:

Tess Doezema, Arizona State University

144. SpiralSpace: Atemporal Approaches to Post-Cyberfeminism

11:00 to 12:30 pm

ICC: E5.9

Participants:

Scrap Metal and Fabric: Weaving as Temporal Technology *Amy Ireland, University of New South Wales*

Retro Chronomancy: Eschewing the Linear Temporal *Alice Farmer, New Centre for Research And Practice*

The stream inside the stream: eroding cyberfeminisms *Virginia Barratt, Western Sydney University*

Codeworked poetry *Linda Dement, Artist*

Session Organizers:

Thao Phan, University of Melbourne
Sally Olds, University of Melbourne
Emma Black, University of Queensland

Chairs:

Sally Olds, University of Melbourne
Emma Black, University of Queensland
Thao Phan, University of Melbourne

Discussant:

Francesca Da Rimini, University of Technology Sydney

145. 2018 Bernal Prize: A Conversation with Trevor Pinch (virtual participation)

Plenary Session

11:00 to 12:30 pm

ICC: Parkside 1

Session Organizer:

Kim Fortun, University of California, Irvine

Chair:

Lucy Suchman, Lancaster University

146. Pseudoscience in Popular Culture—a Musical Conversation

Special Event
12:45 to 1:45 pm
ICC: C2.1
Session Organizer:
Stephen Coffee, Chaos Abatement
Chairs:
Matthew Kearnes, UNSW
Susan Elizabeth Swanberg, University of Arizona

147. 6S Business Meeting

Business Meeting
12:30 to 2:00 pm
ICC: C2.2
Session Organizer:
Erika Amethyst Szymanski, University of Edinburgh

148. Australian-French STS Researcher Networking

Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.4
Session Organizer:
Jan Hayes
Chair:
Jan Hayes

Global Darwin Down Under Working Lunch

Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.6
Session Organizer:
Evelleen Richards

149. Arts + Science Dialogues: The Karrabing collective and filmmaking as survivance

Special Event
1:00 to 2:00 pm
ICC: C2.5
Session Organizer:
Michaela Spencer, Charles Darwin University
Chair:
Eben Kirksey, Deakin University

150. Indigenous STS Plenary

2:00 to 3:30 pm
ICC: Parkside 1
Participants:
Indigenous STS Plenary *Kim Tallbear, University of Alberta*

Indigenous STS Plenary *Kyle Whyte, Michigan State University*

Indigenous STS Plenary *Marama Muru Lanning, University of Auckland*

Session Organizers:

Timothy Neale, Deakin University

Yih-Ren Lin, Taipei Medical University

Discussants:

Kyle Whyte, Michigan State University

Lynette Russell, Monash University

Marama Muru Lanning, University of Auckland

Kim Tallbear, University of Alberta

151. 4S Honors and Futures

Plenary Session

4:00 to 5:30 pm

ICC: Parkside 1

Session Organizer:

Kim Fortun, University of California, Irvine

152. 4S Sydney 2018 Banquet

Special Event

6:30 to 9:30 pm

Museum of Applied Arts & Sciences: Turbine Room

Session Organizer:

Kim Fortun, University of California, Irvine

Saturday, September 1

153. Affordances and Architectures: A Materialist Approach to Digital Design 1

9:00 to 10:30 am

ICC: C2.1

Participants:

Affective Affordances in Multisensory Computing *Erika Kerruish, Southern Cross University*

A Theatre of Digital Designing *Allen Higgins, University College Dublin*

Consolidating Database of Digitalising Healthcare Service *Zheng Li, NAIS, CAST; Xinqing Zhang, Peking Union Medical College; Shanshan Mei, Xi'an Medical University; Hui Luo, National Academy of Innovation Strategy, CAST; Zhengfeng Li, Tsinghua University*

Digital work practices: affordances in design education *Cathy Lockhart, University of Technology Sydney; Thomas Lee, University of Technology Sydney; Alexandra Crosby, University of Technology Sydney; Fiona Peterson, RMIT*

Doing Time in the Home-Space: Tamper Proof Ankle Monitors, Affordances and Anticipatory Methodology *Suneel Jethani, University of Melbourne*

Session Organizers:

Jenny L Davis, The Australian National University
Timothy Graham, Australian National University
Baptiste Brossard, The Australian National University

Chair:

Jenny L Davis, The Australian National University

154. Science and Activism: Medical Approaches

9:00 to 10:30 am

ICC: C2.2

Participants:

Democratising Science By Removing Secrecy *Alice Williamson, University of Sydney*

Biology as an insider science: Sexual minorities and the genetics of sexual orientation *Guaspare-Cartron Catherine, CNRS, UMI Epidapo*

Getting Under Your Skin: The Science of Implicit Bias on Screen *Beck Wise, University of New England, Australia*

Session Organizer:

Alice Williamson, University of Sydney

155. Fleck Book Prize for "Breathing Race into the Machine" by Lundy Braun: Author Meets Critic

9:00 to 10:30 am

ICC: C2.3

Participants:

Melissa Creary, *University of Michigan*

Emma Kowal*, Deakin University*

Hans Pols*, University of Sydney*

Suman Seth*, Cornell University*

Session Organizer:
Shobita Parthasarathy, University of Michigan
Chair:
Daniel Breslau, Virginia Tech

156. Indigenous Knowledges And Technologies 1

9:00 to 10:30 am
ICC: C2.4
Participants:

- Accounting for effective Yol\u Ranger work: emergent criteria from the evolution of 'both-ways' knowledge practices *Margaret Leanne Ayre, University of Melbourne; Jonathan Wearne, Dhimurru Aboriginal Corporation; Djalinda Yunupingu, Dhimurru Aboriginal Corporation; Greg Wearne, Wearne Advisors; Cheryl O'Dwyer, Batchelor Insitute of Indigenous Tertiary Education*
- Doing the work of 'working together': collaboratively enacting Indigenous land management in central Australia *Jennifer Macdonald, Charles Darwin University; Beau Austin, Charles Darwin University*
- Rethinking sustainability: towards an Indigenous-led approach to sustainable community development *Marisol Campos-Navarrete, Trent University; Asaf Zohar, Trent University*
- Storying The Past: Archeology in Ontario after the Truth and Reconciliation Commission *Nicholas van Beek, Trent University*
- The revitalization of a shamanic land ethic *Daniel G. Cooper, University of Oxford*
- Eeyou Communication Network And Tshiuetin Rail *Tricia A. Toso, Concordia University*

Session Organizer:
Tiago Ribeiro Duarte, University of Brasília
Chair:
Claudia Magallanes-Blanco, Universidad Iberoamericana Puebla

157. Being Religious, Being Scientific: The Dynamics of Science and Religion in the Laboratory

9:00 to 10:30 am
ICC: C2.5
Participants:

- Desecularization of Activities of Muslim Scientists as a STS-oriented Coexistence of Islam and Science *Najmoddin Yazdi, Research Institute for Science, Technology and Industry Policy (RISTIP), Sharif University of Te; Ali Maleki, Research Institute for Science, Technology and Industry Policy (RISTIP), Sharif University of Te*
- Negotiating the boundary between science and religion in modern rational institutions *Pia Vuolanto, University of Tampere; Ali Qadir, University of Tampere; Tatiana Tiaynen-Qadir, University of Tampere*
- For The Greater Glory Of God – Jesuits And The Debate On Genetically Modified Food Crops *Joseph Satish, University of Hyderabad, India*
- Science, State, and Spirituality: Scientific Creationism in South Korea *Hyung Wook Park, Nanyang Technological University*

The Invention of Halal Stunning: A Techno-Moral History of Redefining Animal Welfare and Islamic Practices in the Laboratory *En-Chieh Chao, National Sun Yat-sen University*

Session Organizer:

Joseph Satish, University of Hyderabad

Discussant:

Doru Costache, Sydney College of Divinity

158. Travelling Knowledge (I): Concepts, Practices and Institutions

9:00 to 10:30 am

ICC: C2.6

Participants:

Millenarian Metropoles: Science, Empire, and the Production of Novelty in Contemporary Liberalism *Aaron Neiman, Stanford University*

Naming Institution After Neologism As Marker Of The Institutionalization Of New Discipline. *Philippe GORRY, University of Bordeaux*

On "Arbitrariness" of World University Rankings *Masashi Shirabe, Tokyo Institute of Technology*

International Educational Assessment as a Device for the Circulation of Knowledge and Global Governmentality *Claudio Ramos Zincke; Alejandra Falabella, Universidad Alberto Hurtado*

Session Organizer:

Leandro Rodriguez Medina, Universidad de las Americas Puebla

Chair:

Claudio Ramos Zincke

159. E/valuative Actions: Exploring the Doings of E/valuation in Evaluative Systems 1

9:00 to 10:30 am

ICC: E3.10

Participants:

Chasing Two Hares at Once?: Innovating the Classroom with Datafied Performance *Hanbyul Jeong, KAIST*

Clinical Registries as Strategic Experimenting Artifacts: The Case of 'Top Zorg' in the Netherlands *Jeroen Postma; Iris Wallenburg, Institute for Health Policy and Management; Roland Bal, Erasmus University Rotterdam*

Disagreements about benzodiazepine use effects in Uruguay *Nancy Beatriz Calisto, University of the Republic; Andrea Clara Bielli, Universidad de la República; Santiago Navarro, Universidad de la República, Uruguay; Marcela Jubin*

Ecce Homo Academicus: The Revaluation of Higher Education Values *J Britt Holbrook, New Jersey Institute of Technology*

Session Organizers:

Sarah de Rijcke, Centre for Science and Technology Studies (CWTS)
Iris Wallenburg, Institute for Health Policy and Management
Tjitske Holtrop
Roland Bal, Erasmus University Rotterdam

Chairs:

Sarah de Rijcke, Centre for Science and Technology Studies (CWTS)
Iris Wallenburg, institute for Health Policy and Management

160. Producing Transformations: Drugs, Bodies, and Experimentation 1

9:00 to 10:30 am
ICC: E3.2

Participants:

Chemical practices: transformation and experimentation as part of LGBTQ Australians' drug consumption *Dean Anthony Murphy, University of Sydney; Kiran Pienaar, Monash University; Kane Race, University of Sydney; Toby Lea, UNSW*

Transforming gay men, sex and drugs: from fear to pleasure *Maurice George Nagington, University of Manchester*

Thinking Sex, Drugs, and HIV: Building Up and Sustaining a Transversal Orientation toward Metastructural Issues and Irresolvable Problems *Stephen Molldrem, University of Michigan*

Experimenting with Life Itself: Digital Drug Worlds and the Transformation of the "Human" *Melina Sherman, University of Southern California, Annenberg School for Communication & Journalism*

Session Organizers:

Kane Race, University of Sydney
Kiran Pienaar, Monash University
Dean Anthony Murphy, University of Sydney

Chair:

Kane Race, University of Sydney

161. Critical Data Studies: Ethics and Human Contexts of Data Science I

9:00 to 10:30 am
ICC: E3.3

Participants:

Locating ethic in different human contexts: just another integration problem? *Charlotte Mazel-Cabasse, University of California, Berkeley*

Text Mining as Creative Différance *Patrick Herron, Duke University*

The passions and the p-values: overwhelming openness and the affective labor of radically public scholarship *R. Stuart Geiger, University of California, Berkeley; Laura Noren, Obsidian Security*

The stakes of defining data science *Laura Noren, Obsidian Security; R. Stuart Geiger, University of California, Berkeley*Defining the Informatic Person - Exploring How Data Relationships Are Created and Negotiated in Informatic Contexts *Ashlin Lee, Australian National University*

Seeing Like a Supply Chain: Understanding Data in Logistics *Miriam Posner, University of California, Los Angeles*

Session Organizer:

Laura Noren, Obsidian Security

162. Smart Homes in Everyday Life: Assisted Living, Service Work, Ethics and Energy

9:00 to 10:30 am
ICC: E3.4

Participants:

Smart Energy Use In Everyday Life *Ingvild Firman Fjellså, Norwegian University of Science & Technology (NTNU); Marianne Ryghaug, Norwegian University of Science & Technology (NTNU); Tomas Moe Skjølsvold*

The Ethical Perspectives on Ambient Assistive Living Technologies of Japanese Engineers. *Jungen Koimizu, Graduate Schools of Medicine, Osaka University; Kazuto Kato, Graduate Schools of Medicine, Osaka University*

The Sensing Home: Citizen Engagement with Sensing Energy Infrastructures *Ingrid Ballo, University of Bergen; Kjetil Rommetveit, University of Bergen, Norway*

The Surveillance and Choreography of Service Work in the Smart Home *Christopher O'Neill, University of Melbourne*

'We're the Cheap Smart House': encounters with smart in the shared home *Sophia Maalsen, University of Sydney*

What is the connection between Health Smart Homes and user-wellbeing? *Rachel Creaney, University of St Andrews/James Hutton Institute*

Session Organizer:

Yolande Strengers, RMIT University

Chair:

Jenny Kennedy, RMIT University

163. Concepts and Practices of ELSI: 1. ELSI as a Political Terrain

9:00 to 10:30 am
ICC: E3.5

Participants:

Biomedical Ethics and Policy on Emerging Biomedical Technologies *Jusaku Minari, Kyoto University*

Oversight and Evidence in Stem Cell Innovation: An Examination of International Guidelines and Emerging Trends in Regulation *Tamra Lysaght, National University of Singapore*

Taming the Dual Use Concern: A Case Study of a Molecular Robotics Laboratory in Japan *Ken Kawamura, Seijo Univerisity*

ELSI without RRI Perspectives: Cases of Japanese Biological Societies *Ryuma Shineha, Seijo Univerisity*

Session Organizer:

Koichi Mikami, KOMEX, University of Tokyo

Chair:

Koichi Mikami, KOMEX, University of Tokyo

Discussant:

Steve Sturdy

164. Organisations, Institutions and Governance

9:00 to 10:30 am
ICC: E3.6

Participants:

Organisational Interdependencies and Crisis Response in Sociotechnical Systems: A Case Study of Security Services Organisation *Justyna Tasic, Nanyang Technological University*

Decision Making Process in a High Energy Physics experiment *Emiko Adachi, RIKEN*

Policy implications for the improvement of Technology transfer and commercialization process in the Indian context *Bhavisha P Sheth, Entrepreneurship Development Institute of India*

Global pharma power as failure of the State? Registration, procurement and access to medicines in Northern India. *Mathieu Quet, IRD*

Session Organizer:

Justyna Tasic, Nanyang Technological University

Chair:

Justyna Tasic, Nanyang Technological University

165. Well Years, Good years, Quality years – Calibrations and Aggregations of Daily Living: Daily Living

9:00 to 10:30 am

ICC: E3.8

Participants:

Measuring (what) Matters – Patient Rated Outcome and the making of experiencing patient publics *Henriette Langstrup, University of Copenhagen; Tiago Moreira, Durham University*

Unfixable Brains: Attaining Normalcy in Daily Living with Seizures *Stefan Timmermans; Tanya Stivers, University of California, Los Angeles*

Timing Care for People with Dementia: ADL and the Problem of Time in the Long-term Care Insurance Program in South Korea *Jieun Lee, University of Copenhagen*

From Drugs for Life to Living for Drugs: viewing hospice care from an institutional/pharmaceutical perspective *Wen-Hua Kuo, National Yang-Ming University*

Session Organizer:

Ayo Wahlberg, University of Copenhagen

166. Turning (More) Things into Assets: Techno-economic TRANSformations 1

9:00 to 10:30 am

ICC: E3.9

Participants:

AngelList: Mass-Producing the Habitus to Assetize *Jacob Hellman*

What's Your Business Plan: The Technology Statement and Commodification in the Technology Incubators in Beijing *ShihMing Wu*

Asset Form, Asset Boundary, and Assetization in Technoscientific Capitalism *Kean Birch, York University*

Better than Gold: Art in Storage Spaces *Christoph Rausch, Maastricht University*

Disassembling Coal: Finance Capital, Environmental Law, and the Right to Information in South India *Mukul Kumar*

Property as Socio-Technical Infrastructure *Oviya Govindan*

Session Organizer:
Kean Birch, York University

167. Environmental Risks in Transnational Contexts I

9:00 to 10:30 am
ICC: E5.1

Participants:

A Study of the Cognitive Structure of Environmental Risk in China *Chenggang Zhang, Tsinghua University*

China's Social Drives of Environmental Technology Introduction: A Case Study of UASB in Beer Industry *Guo Qinshuo, Tsinghua University; Yang Jian, Tsinghua University*

Environmental Public Interest Litigation In China ： A Case of Environmental NGO “Friends of Nature” *Bing Liu, Tsinghua University*

Culture of Skepticism: An Inquiry into the Socio-Political Life of Air Quality Digital Panels in Tehran *Raheleh Abbasinejad*

Session Organizers:
Wei Hong, Tsinghua University
Jian Yang, Tsinghua University
Chenggang Zhang, Tsinghua University

168. Public Engagement in Science and Technology Policy 1

9:00 to 10:30 am
ICC: E5.10

Participants:

Are we talking to the public about emerging quantum technology? *Tara Roberson, Centre for Public Awareness of Science*

Constructing Public Engagement: Unexamined Assumptions In Framing Science And Technology Policy Problems *Christian Ross, Arizona State University*

Moving across national borders? The Europeanization of the Anti-Biotech Movement *Franz Seifert, University of Vienna*

Public Engagement: The case of stakeholder committees in research organisations in France *Lucile Ottolini, INRA / INERIS*

Session Organizers:
Franz Seifert, University of Vienna
Camilo Fautz, Institute for Technology Assessment and System Analysis (ITA)

Chair:
Franz Seifert, University of Vienna

169. Transgressing the Intersection of Science and Food I

9:00 to 10:30 am
ICC: E5.2

Participants:

CRISPR and Food Production – Promise and Limitations *Val J Martin, Illinois Institute of Technology*

Don't Stress the Animal! Poor Animal Welfare and the Resulting 'Essence' in Meat *Emily Buddle, University of Adelaide; Heather Bray, University of Adelaide; Rachel Ankeny, University of Adelaide*

Farming and the oil and gas industry: a toxic mix? *Brian P Bloomfield, Lancaster University; Bill Doolin, Auckland University of Technology*

Marketing Superfoods at the Intersection of Science and Tradition *Jessica Loyer, University of Adelaide*

Session Organizers:

Rachel Ankeny, University of Adelaide
Heather Bray, University of Adelaide

170. Climate Technology and Climate Justice

9:00 to 10:30 am
ICC: E5.3

Participants:

Energy and climate change in India, Germany and Australia: a comparison in the social legitimacy of renewable energy *Devleena Ghosh, University of Technology Sydney; James Goodman, University of Technology Sydney*

A 'new agenda' for solar energy in India? *Manju Menon, University of Technology Sydney; Kanchi Kohli, Centre for Policy Research, New Delhi*

Energy Transformation as a Social Process: Post-Coal Politics and Energy Transition in Eastern Germany *Tom Morton, University of Technology Sydney*

Mapping a Laggard: Climate Policy Networks in Australia *Francesca Da Rimini, University of Technology Sydney; Pradip Swarnakar, ABV-Indian Institute of Information Technology & Management; James Goodman, University of Technology Sydney*

Civil Society and the Climate Change Movement in India: A Critical Evaluation of Development-Environment Dialectic from Rio to Paris *Ruchira Talukdar, University of Technology Sydney; Pradip Swarnakar, ABV-Indian Institute of Information Technology & Management*

Session Organizer:

James Goodman, University of Technology Sydney

171. States of Matter/Matters of State: Amphibious Scholars in Technoscientific Space

9:00 to 10:30 am
ICC: E5.4

Participants:

Ambient Order and Topologies of Air *Aftab Mirzaei, York University STS*

Revisiting Matters Cryptography in the Atmosphere of (Post-Cyber-)Feminist Technosciences *Anastassija Kostan, University of Mainz/University of Frankfurt*

The Verticality of Drilling: Construction, Destruction, and Disturbance *Eric Kerr, National University of Singapore; Malini Sur, Western Sydney University*

Seeing Through Rocks: Rare Earth Elements in Media History *Zane Griffin Talley Cooper, University of Pennsylvania*The dark synthetic sky: flying and dying in the analogue atmospheres of flight simulation *Peter Hobbins,University of Sydney*

Session Organizer:
Aftab Mirzaei, York University

172. Data Worldings and Post/colonial Connectedness I

9:00 to 10:30 am
ICC: E5.5

Participants:

Data compositions and imperial formations *Antonia Walford, University College London; Tahani Nadim, Museum fuer Naturkunde*

Building a National Criminal DNA Database: Spectacle and Routine in a Postcolonial African Data Worlding *Noah Tamarkin, Ohio State University*

'Smart cards for all': the digitalisation of universal health coverage in India *Marine Al Dahdah, Cermes3*

The United Nations Population Fund, Data Infrastructure, and Demographic Worldings *Carole McCann, UMBC*

Session Organizer:
Tahani Nadim, Museum fuer Naturkunde

Chair:
Antonia Walford, University College London

Discussant:
Fiona Lee, University of Sydney

173. Messing with Methods in More-than-Human Worlds III

9:00 to 10:30 am
ICC: E5.6

Participants:

Researching the agency of micro-species in domestic hygiene practices *Rachael Wakefield-Rann, University of Technology Sydney; Dena Fam, University of Technology Sydney*

Messing with Paint: Toward an Etho-Ethnography of Artistry in Animal Sanctuaries *Jean M Langford, University of Minnesota*

Re-imagining urban bird-human relations in South East Australia *Miriam Potts, Victoria University*

Flora and Fieldwork: Methodological and Theoretical Challenges in the Study of Plant Ontologies *Sophie Chao, Macquarie University*

Session Organizer:
Larissa Hjorth, RMIT

Chair:
Anne Galloway, Victoria University of Wellington

174. Governing Toxic Waste 1

9:00 to 10:30 am
ICC: E5.7

Participants:

Burying radioactive waste deep into the earth: nuclear safety policies from an international and socio-historical perspective *Tania Navarro Rodriguez, Université Paris Descartes*

Invisible waste. Governing past uranium mines in France. *Brice Laurent, Ecole Des Mines De Paris; Julien Merlin, Mines Paristech; Yann Gunzburger, Ecole des mines de Nancy*

Governing Nuclear Waste: What Should Be the Roles of National Regulatory Bodies? *Céline Parotte, University of Liege - Spiral*

Ruination Science: Producing knowledge about toxicants from the rubble of Chilean regulatory science *Sebastian Ureta, Universidad Alberto Hurtado*

Session Organizer:

Tania Navarro Rodriguez, Université Paris Descartes

Chair:

Soraya Boudia, University Paris Descartes

Discussant:

Roopali Phadke, Macalester College

175. Mobilizing Identities, Digital and Otherwise

9:00 to 10:30 am

ICC: E5.8

Participants:

Identifying migrants: The case of digital biometric identity in India *Bidisha Chaudhuri, International Institute of Information Technology, Bangalore*

Infrastructure and the Power of Elites: Repair as a Hidden Dimension of Inequality *Christopher R. Henke, Colgate University*

Digital Myths, Identities and Moral Economies *Janaki Srinivasan, International Institute of Information Technology, Bangalore; e oreglia*

Session Organizer:

Janaki Srinivasan, International Institute of Information Technology, Bangalore

176. Latin American Science, Technology and Society: Women, Gender, and Sexuality Issues 1

9:00 to 10:30 am

ICC: E5.9

Participants:

Including Latin American Women, gender, and sexuaity perspectives: The positivist unity of science again? *Sandra Harding*

Making Care (Multiple) in Maputo: Placing Feminist STS in the African City *Ramah McKay, University of Pennsylvania*

Planning Quechua Families and Imagining the Nation: Kinship, Citizenship and the Self in the Peruvian Andes *Rebecca Melanie Irons, University College London*

Precarious Knowledge and Counterpublic Knowledge in Brazilian Transgender Movement *Thiago Coacci*

Session Organizer:

Sandra Harding

Chair:
Sandra Harding
Discussant:
Sharon Traweek, *University of California, Los Angeles*

177. Affordances and Architectures: A Materialist Approach to Digital Design 2

11:00 to 12:30 pm
ICC: C2.1
Participants:

Investigating Vigilantism and Its Agency in a Reddit Collective of Websleuths: A Sociomaterial Approach *David Myles, University of Montreal*

Locative media, affordances and the duality of resources and routines *Eric Lettkemann, Technische Universität Berlin; Ingo Schulz-Schaeffer, Technical University of Berlin*

Material Constraints and Digital Affordances in a 'Smart' Educational Building *Allister E Hill, RMIT University*

Opening a Virtual Door: Enrolling Actors in Networks through Affordances in Video Games *Valentin Kohlmeier, Hochschule Harz*

SkillsFuture, total education, and the colonization of everyday life in Singapore *Mark Baildon, Nanyang Technological University; Roberto de Roock, Nanyang Technological University*

Social media, politics and the “accident” of speed *Naomi Smith, Federation University Australia*

Session Organizers:
Jenny L Davis, Australian National University
Timothy Graham, Australian National University
Baptiste Brossard, Australian National University
Chair:
Timothy Graham, Australian National University

178. Science and Activism: STS and the Environment

11:00 to 12:30 pm
ICC: C2.2
Participants:

Rethinking activism: science and social science in conversation *Judy Motion, UNSW*

For the love of coal. Post-truth politics and climate change in Australia *Vanessa Bowden, University of Newcastle*

Flattening the World for Social Change: How STS studies is inherently a political activity *Hannah Cowan, London School of Hygiene and Tropical Medicine*

Activism and engagement in the science of politics: Political Science as a site of STS analysis *Elizabeth A Lowham, California Polytechnic State University; Jane L Lehr, California Polytechnic State University*

Citizen-led digital infrastructures as an alternative to political ineffectiveness: the 2017 Mexico City earthquake *Luis Ignacio Reyes-Galindo, State University of Campinas (UNICAMP); Aline Guevara Villegas, Universidad Nacional Autónoma de México (UNAM); Isabel Flores López, Universidad Nacional Autónoma de México (UNAM); Jorge Sosa, Universidad Nacional Autónoma de México (UNAM)*

Scientific Activism - A Challenge for STS Researchers *Ullica Christina Segerstrale, Illinois Institute of Technology*

Session Organizer:
Judy Motion, UNSW

179. STS Across Scale: 4S Meets Regional STS Organizations

Special Event
11:00 to 12:30 pm
ICC: C2.3
Session Organizer:
Kim Fortun, University of California, Irvine

180. Indigenous Knowledges and Technologies 2

11:00 to 12:30 pm
ICC: C2.4
Participants:

A framework for learning and applying law based on indigenous knowledge *Erick Huerta Velázquez, Redes por la Diversidad, Equidad y Sustentabilidad A.C.*

Communality and technological autonomy of the indigenous people of Oaxaca, Mexico *Carlos Francisco Baca Feldman, Redes por la Diversidad, Equidad y Sustentabilidad A.C.*

Indigenising Foodscape: The Resurgence of Natural Farming of Tayal People and their Local Knowledge System in Taiwan *Yih-Ren Lin, Taipei Medical University*

Internet Infrastructure as a Network of Relations, Devices and Expectations: A Lost Link Between an IXP and Indigenous Communities *Fernanda Ribeiro Rosa, American University*

Investigating Indigenous Peoples' Participation and Inclusion In Climate Action: An Examination of Tweets from the UN Climate Forum *Alyson Young, IUPUI, Human-Centered Computing; Angela P Murillo, IUPUI*

The twain shall meet: making space for collaborations in indigenous knowledges and western science *Emily Hull, UNSW; Leah Lui-Chivizhe, University of Sydney*

Session Organizer:
Claudia Magallanes-Blanco, Universidad Iberoamericana Puebla

181. Quality, Quantity, and Transnational Expertise

11:00 to 12:30 pm
ICC: C2.5
Participants:

Floating Cocaine Rates and Phantom Pharmaceuticals *Kieran M Kelley, University of Chicago*

The Vicissitudes of Units: On the Calculation of Environmental Sustainability *Yukun Zeng, University of Chicago*

The Indexicality of the Index: Governing by Rank in Global Singapore *Joshua Babcock, University of Chicago*

In Search of a Representative Country: The Politics of Site Selection in International Development Impact Evaluations *Margarita Rayzberg, Northwestern University*

Session Organizers:
Joshua Babcock, University of Chicago

Yukun Zeng, University of Chicago

Discussant:

Terry Woronov, University of Sydney

182. Travelling Knowledge (II): Health, Disease and Pharma

11:00 to 12:30 pm

ICC: C2.6

Participants:

Postcolonial Psychiatry and the Formation of Global Mental Health *David Robertson, Princeton University*

When Scientific Fields Emerge: Tracing the Production of the Epistemology of HIV/AIDS *alexandre White, Boston University; Marina Richard, Boston University*

Pharmaceutical Science in Action *Sergio Sismondo, Queen's University*

Session Organizer:

Leandro Rodriguez Medina, Universidad de las Americas Puebla

Chair:

Sergio Sismondo, Queen's University

183. E/valuative Actions: Exploring the Doings of E/valuation in Evaluative Systems 2

11:00 to 12:30 pm

ICC: E3.10

Participants:

E/Valuation in Designing Indigenous Services Delivery in Alice Springs *Matthew Campbell, Charles Darwin University*

Indexical Judgment: The Construction of Valuation Devices for Art and Antiques *Erica Coslor, University of Melbourne; Yuval Millo, Warwick University*

Metrics and the Commercialization of Open Access Scholarship *Alexandra Sharp Lippman, University of California, Los Angeles*

Rethinking Academic Value: Experiments in Research Assessment with the 'Evaluative Inquiry' Approach *Thed van Leeuwen, Leiden University; Tjitske Holtrop; Sarah de Rijcke, Centre for Science and Technology Studies (CWTS)*

Towards Meta Principles Based Evaluation Framework For Community Sustainable Transformation Programs *Saurabh Biswas, Arizona State University; Rimjhim Aggarwal, Arizona State University*

Session Organizers:

Sarah de Rijcke, Centre for Science and Technology Studies (CWTS)
Iris Wallenburg, Institute for Health Policy and Management
Tjitske Holtrop
Roland Bal, Erasmus University Rotterdam

Chairs:

Tjitske Holtrop
Roland Bal, Erasmus University Rotterdam

Discussant:

Helen Verran, Charles Darwin University

184. Producing Transformations: Drugs, Bodies, and Experimentation 2

11:00 to 12:30 pm

ICC: E3.2

Participants:

Testosterone's Absence: Transgender Medicine and the 'Evidence of Treatment' *J.R. Latham, University of Melbourne*

Non-binary testosterone users: Re-making trans gender hormone practices *Rillark Zac Bolton, University of Sydney*

Medical Technologies and Decision-Making Processes around Gender Assignment of Intersex People in India *Arpita Das, University of Sydney*

Making naloxone: overdose, death, and community response in the United States *Peter J Davidson, University of California, San Diego*

Dangerous Affinities: The Silences in and Commitments of LARC Promotion in the US *Jenny Dyck Brian, Arizona State University*

Session Organizers:

Kane Race, University of Sydney
Kiran Pienaar, Monash University
Dean Anthony Murphy, University of Sydney

Chair:

Kiran Pienaar, Monash University

185. Critical Data Studies: Ethics and Human Contexts of Data Science II

11:00 to 12:30 pm

ICC: E3.3

Participants:

Competing, Collaborating, Compounding? Interactivity Between Public and Private Providers in China's Social Credit System *Shazeda Ahmed, University of California, Berkeley*

From The Turing Test To The Trolley Problem: Tests, Measures And The Standardisation Of Machine Intelligence. *Maya Indira Ganesh, Leuphana University*The Ethics Ecosystem: Personal ethics and the governance of social media research *Gabby Samuel, King's College London/Lancaster University; Gemma Derrick, Lancaster University; Thed van Leeuwen, Leiden University*

Mapping Silences, Reconfiguring Loss: Practices of Damage Assessment & Narratives of Repair in Post-Earthquake Nepal *Robert Soden, University of Colorado, Boulder; Austin Lord, Cornell*

A computational study on the fame of great minds in physics *Guoyan Wang, University of science and technology of China; Tang Li, Fudan University*

TRANSlations Over Supermarket Loyalty Program Database: More Than Empowerment, Enchantment And Profit *Maria Cristina de Oliveira Cardoso, UFRJ - HCTE; Marcia de Oliveira Cardoso, UFRJ - HCTE*

Session Organizer:

Laura Noren, Obsidian Security

186. Smart Homes in Eeveryday Life: Gender, Nation, Intimacy and Expertise

11:00 to 12:30 pm

ICC: E3.4

Participants:

A history of household engineering *Melissa Gregg, Intel*

Bitches With Glitches: How feminised devices fail and how we can do better *Jenny Kennedy, RMIT University; Yolande Strengers, RMIT University*

Hey Google! Do you love me? The imagination, design and experience of smart voice assistants *Justine Humphry, University of Sydney; Chris Chesher, University of Sydney*

Second sheds: exploring the edges of Australian smart home households *Yolande Strengers, RMIT University; Larissa Nicholls, RMIT University; Jenny Kennedy, RMIT University*

Session Organizer:

Yolande Strengers, RMIT University

Chair:

Melissa Gregg, Intel

187. Concepts and Practices of ELSI: 2. Practices Beyond ELSI?

11:00 to 12:30 pm

ICC: E3.5

Participants:

Artificial Intelligence and ELSI: What is the Role of an STS Researcher? *Arisa Ema*

Integrating Law and Policy into a Large Technical Project: ELSI and the D2D CRC *Lyria Bennett Moses, UNSW; Louis De Koker, La Trobe University; Sanjay Mazumdar, Data to Decisions Co-operative Research Centre*

Stakeholder Attitudes Towards Theoretical Visions of Responsible Innovation: Implications For Policy Design And Implementation *John Pat Roberts, North Carolina State University; Jennifer Kuzma, North Carolina State University*

Imaginaries of Emerging Technologies on Social Media: An Empirical Analysis *Daisuke Yoshinaga, Waseda University; Mikihito Tanaka, Waseda University*

Organic and Dynamic Library of AI Ethics for Engineers *Kaira Sekiguchi, University of Tokyo; Koichi Hori, University of Tokyo*

Session Organizer:

Koichi Mikami, KOMEX, University of Tokyo

Chair:

Koichi Mikami, KOMEX, University of Tokyo

Discussant:

Yuko Fujigaki, University of Tokyo

188. Remaking Collaboration in Technoscientific Production

11:00 to 12:30 pm

ICC: E3.6

Participants:

Biodiversity Mappers: Collaboration as a Form of Gift Exchange *Per Hetland, University of Oslo*

Thoughts On The Big Data Industry Innovation Ecosystem Based On The Collaboration Logic Of Block Chain Technology *迪 曹, Tsinghua University; 云昊 口, Tsinghua University*

What is a Discovery in Citizen Science? *Dick Kasperowski, University of Gothenburg*

Session Organizer:

Brian Robert Callahan, Rensselaer Polytechnic Institute

189. Well Years, Good Years, Quality Years – Calibrations and Aggregations of Daily Living: Temporalities

11:00 to 12:30 pm

ICC: E3.8

Participants:

On being a (future) statistic: Prognostication, visualisation and living-with advanced cancer *Katie Kenny, UNSW; Alex Broom, UNSW; Emma Kirby, UNSW*

Happy Futurity on Ice: Sociotechnical Imaginaries of Frozen Ovarian Tissue as 'Quality of Life' Insurance *Anna Sofie Bach, University of Southern Denmark; Stine Willum Adrian, Aalborg University*

Sensor technologies, place, and pattern in mental health research *Frances Shaw, Black Dog Institute*

Tracking Failing Biologies *Ayo Wahlberg, University of Copenhagen*

Session Organizer:

Ayo Wahlberg, University of Copenhagen

Chair:

Katie Kenny, UNSW

190. The Impact of Outsourcing and Contracting on Accident Prevention in Complex Sociotechnical Systems (1)

11:00 to 12:30 pm

ICC: E3.9

Participants:

Accounting for Accidents: The Precarious Work of Bangladeshi Migrants in Singapore *Karen Marie McNamara, National University of Singapore*

Discussion on the Issues of Safety and Sustainability of Fragmented Systems *Myriam Merad, CNRS*

Inter-organizational Collaboration for Railway Safety in Japan *Takuji Hara, Kobe University*

How Outsourcing Impacts Safety Processes: The Case Of Nuclear Waste Storage *Anne Russel, IMT Atlantique*

Session Organizers:

Jan Hayes

Stéphanie Tillement, IMT Atlantique Nantes

Chair:

Jan Hayes

Discussant:

Stéphanie Tillement, IMT Atlantique Nantes

191. Environmental Risks in Transnational Contexts II

11:00 to 12:30 pm

ICC: E5.1

Participants:

Monitoring as a tool for improving nuclear waste safety? *Göran Sundqvist, University of Gothenburg*

Inherent Safety and Development of China's High-Temperature Gas-Cooled Reactor *Guangling Xiao, Tsinghua University*Social License to Operate in Nuclear Waste Management *Matti Kojo, University of Tampere; Markku Lehtonen, GSPR/EHESS, Paris & Universitat Pompeu Fabra, Barcelona & University of Sussex; Tuija Jartti, University of Jyväskylä; Tapio Litmanen, University of Jyväskylä; Mika Kari, University of Jyväskylä*

Waste Pickers and Invisible Labor in the Infrastructure of Recyclable Waste in Phnom Penh, Cambodia. *Kathrin Eitel, Goethe-University, Frankfurt*

The Amplification of Risk of Municipal Solid Waste Incineration in China *Yang Haihong, Tsinghua University*

Session Organizer:

Wei Hong, Tsinghua University

Chair:

Chenggang Zhang, Tsinghua University

192. Public Engagement in Science and Technology Policy 2

11:00 to 12:30 pm

ICC: E5.10

Participants:

STEP into the Future. Adventures in Technoscience Public Engagement in Australia *Alice Wendy Russell, Australian National University; Nicola J Marks, University of Wollongong*

The Modes and Mechanisms of Public Engagement in Science and Technology Policy in China —Based on Case Studies of Public Engagement in GM Crops *Chunliang Fan, Chinese Academy of Sciences*

Voluntarism as Public Engagement: the nuclear waste case *Darrin Durant, University of Melbourne*

Expertise in Public Engagement *Leah Sprain, University of Colorado, Boulder*

Session Organizers:

Franz Seifert, University of Vienna

Camilo Fautz, Institute for Technology Assessment and System Analysis (ITA)

Chair:

Camilo Fautz, Institute for Technology Assessment and System Analysis (ITA)

193. Transgressing the Intersection of Science and Food II

11:00 to 12:30 pm

ICC: E5.2

Participants:

Scaling the Farm, Hacking the Farmer: More-Than-Human, Pericapitalist Farming in New York City *Wythe Marschall, Harvard University*Superbugs and bad food: How antibiotic use in animal agriculture is framed in the Australian media *Heather Bray, University of*

Adelaide; Sujatha Raman, Australian National University; Carol Morris, University of Nottingham; Joan Leach, Australian National University; Rachel Ankeny, University of Adelaide

Techniques of Containment in Salmon Aquaculture *Ignace Schoot, Memorial University of Newfoundland*

Transgressing the Intersection between Antibiotics and Food Production via Animal Health Management *Richard Helliwell, University of Nottingham; Sujatha Raman, Australian National University; Carol Morris, University of Nottingham*

Session Organizers:

Rachel Ankeny, University of Adelaide

Heather Bray, University of Adelaide

194. Climate Technologies and Unintended Consequences 2

11:00 to 12:30 pm

ICC: E5.3

Participants:

Sustainable Biofuel Production through Emerging Applications of Bioremediation: A Perspective with Responsible Innovation *Jyoti, Jawaharlal Nehru University*Unintended Consequences of Climate Technologies *Jonathan Paul Marshall, UTS*

Sustainable evolution of drinking water purification technologies at household level in India *Nazia Talat, Jawaharlal Nehru University*

Session Organizer:

Jonathan Paul Marshall, UTS

Chair:

Jonathan Paul Marshall, UTS

195. Global Animals: Science and Technology

11:00 to 12:30 pm

ICC: E5.4

Participants:

Arks, Freezers, and Gardens: Biodiversity Repositories in Toxic Landscapes and Planetary Futures *Anna-Katharina Laboissière, Ecole Normale Supérieure/Curtin University*

Feeding the Flock: Wild Cockatoos and Their Facebook Friends *Eben Kirksey, Deakin University; Thom van Dooren, University of Sydney; Paul Munro, University of New South Wales*

Moving birds in Hawai'i: Translocation and an ethics of creaturely movement *Thom van Dooren, University of Sydney*

Nature and Nation: Conservation Science in Aotearoa New Zealand *Courtney Addison, Victoria University of Wellington*

The Colours of Seawater: Lenses and Rhythms in the Sea *Astrid Schrader, University of Exeter*

Session Organizer:

Brad Bolman, Harvard University

Chair:

Brad Bolman, Harvard University

196. Data Worldings and Post/colonial Connectedness II

11:00 to 12:30 pm
ICC: E5.5

Participants:

Border Data: Earthquake Scenario Work on the US-Mexico Border *Elizabeth A. Reddy, Colorado School of Mines*

From Amazon to Amazon with Trouble: Data Infrastructure for an Instrumented Forest *Felipe Mammoli Andrade, UNICAMP; Marko Monteiro, State University of Campinas*

Will Big Data Feed the World? Neo-colonial Futures and Capitalist Reconfigurations in Global Food Systems *Victoria Stead, Deakin University; David Boarder Giles, Deakin University*

Session Organizer:

Antonia Walford, University College London

Chair:

Tahani Nadim, Museum fuer Naturkunde

Discussant:

Miranda Johnson, University of Sydney

197. The Politics of Science and Technology in International Development 1

11:00 to 12:30 pm
ICC: E5.6

Participants:

American Modernization in India: Reinventing Development *Prakash Kumar, Pennsylvania State University*

Engineering Labor, Class Conflict, and State Building in Twentieth- and Twenty-First Century Industrialization and Development *Adelheid Voskuhl, University of Pennsylvania*

From the Maistry to the Computer Operator: Politics of Skilling and Development in Global India *Sreela Sarkar, Santa Clara University*

Russian public policy and the scientific temper in nuclear India *Monamie Bhadra Haines, Nanyang Technological University*

Session Organizer:

Shobita Parthasarathy, University of Michigan

Discussant:

Manjari Mahajan, New School University

198. Governing Toxic Waste 2

11:00 to 12:30 pm
ICC: E5.7

Participants:

Living around nuclear reprocessing plants. Epidemiological controversies in France and in the UK *Laura Barbier, CERMES3*

Politics of Toxic Waste: Mobilising Lay Expertise against Illegal Dumping in Taiwan *Mei-Fang Fan, National Yang-Ming University*

RCA Taiwan and the Valuation of a Toxic Crime *Paul Jobin*

Session Organizer:
Soraya Boudia, University Paris Descartes
Chair:
Tania Navarro Rodriguez, Université Paris Descartes
Discussant:
Soraya Boudia, University Paris Descartes

199. Digital Sexualities, Biomedical Practice, and Queer Realities: HIV & Queer Mobility

11:00 to 12:30 pm
ICC: E5.8
Participants:
How to Become HIV-Negative: Taiwanese Gay Men's PrEP Consumption and Sexual Health *Poyao Huang, UCSD*
Living Up to the Promise: Digitized HIV Advocacy Strategies among Gay Filipinos in Manila *Paul Michael Leonardo Atienza, Department of Anthropology, University of Illinois at Urbana-Champaign*
Problems, devices and designs in the construction of the gay sexual marketplace *Kane Race, University of Sydney*
Session Organizers:
Stephen Molldrem, University of Michigan
Jean Hardy, University of Michigan
Roderic Crooks, *University of California, Los Angeles*

200. Latin American Science, Technology and Society: Women, Gender, and Sexuality Issues 2

11:00 to 12:30 pm
ICC: E5.9
Participants:
The Current Discourses Of Cyberfeminist Movements In Mexico-City *Mirjana Mitrovic, Freie Universität Berlin*
Trans*Forming STS: Complicating the Head/Heart Division Through Ethnographic Travels *Sonja Jerak-Zuiderent, Amsterdam Medical Center / University of Amsterdam; Teun Zuiderent-Jerak, Linköping University*
Women, stars and science of the south. Female astronomers in Chile at the beginning of the 20th century. *Lorena B. Valderrama, Universidad Alberto Hurtado; Sanhueza Carlos, Universidad de Chile*
Metaphors of Scale and Feminist Technosciences of More-than-Human Worlds *Laura Foster*
"The imagined woman technoscientist": reflections on feminist technoscience studies *Knut H Sørensen, NTNU; Sharon Traweek, University of California, Los Angeles*
Session Organizer:
Sandra Harding
Chair:
Sandra Harding

Discussant:
Laura Foster

201. 4S Business Meeting

Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.4
Session Organizer:
Kim Fortun, University of California, Irvine

202. 4S Ethnografilm Program

Special Event
12:30 to 2:00 pm
ICC: C2.5
Session Organizer:
Wesley Shrum, Louisiana State University

203. Transformed Academic Careers

Lunchtime Workshop
12:30 to 2:00 pm
ICC: C2.6
Session Organizer:
Marie Sautier, University of Lausanne
Chair:
Marie Sautier, University of Lausanne

204. Affordances and Architectures: A Materialist Approach to Digital Design 3

2:00 to 3:30 pm
ICC: C2.1
Participants:
The ambivalence of corrective technologies: exploring subjective experiences and meanings of wearable tech *Gavin John Douglas Smith, Australian National University*
The Multiple Becomings and Affordances of Naked Selfie Loans *Jessie Liu, Australian National University; Helen Keane, Australian National University*
The Politics of Urban Design: Google is Here to 'Fix' Toronto *Anna Artyushina, York University*
The Walk of the Pen: Cadastral Mapping and the Digital/Analogue Nexus *Gabriel Tusinski, Singapore University of Technology and Design*
Transclusions: Ted Nelson and the affordances of electronic networks *Hallam Stevens, Nanyang Technological University*
Session Organizers:
Jenny L Davis, Australian National University
Timothy Graham, Australian National University
Baptiste Brossard, Australian National University
Chair:
Baptiste Brossard, Australian National University

205. Science and Activism: Transdisciplinary Approaches

2:00 to 3:30 pm
ICC: C2.2

Participants:

Ecological authority by gaslight: A doubt manifesto. With hedgehogs. *Laura McLauchlan, UNSW*

Ghosts in the Shell: an anthropological investigation on DIYbio and the Cyborg *Gil Vicente Nagai Lourencao, State University of Campinas (UNICAMP); Marko Monteiro, State University of Campinas*

Using knitting to stay with the trouble *Tracy Anne Sorensen*

Session Organizer:

Laura McLauchlan, UNSW

Chair:

Laura McLauchlan, UNSW

206. The Continued Relevance of Ethnomethodological Studies of Science and Mathematics for STS

2:00 to 3:30 pm
ICC: C2.3

Participants:

The Disappearance of "Discovery" as a Topic in Science and Technology Studies: An attempt at retrieval and ethnomethodological respecification *Jeff Coulter, Boston University; Michael Lynch, Cornell University*

"How did that feel": Managing and monitoring pain in cognitive neuroscience experiments *David Matthew Edmonds, Chinese University of Hong Kong; David Matthew Edmonds, Chinese University of Hong Kong*

The Banality of the Social in the Work of the Sciences *Eric Livingston, University of New England*

Session Organizer:

Michael Lynch, Cornell University

207. Indigenous Knowledges and Technologies 3

2:00 to 3:30 pm
ICC: C2.4

Participants:

Indigenous epistemologies in global health: WHO regulation of traditional medicine since Alma Ata 1978 *Francesco Salvini, Kent Law School, University of Kent; Emilie Cloatre, Kent Law School, University of Kent*

Mediating Indigenous Knowledges: Communicative Practices in Defense of Life and Territory *Claudia Magallanes-Blanco,* Universidad Iberoamericana Puebla

The many lives of Mandan maize: the appropriation, circulation, and cultivation of Native American corn varieties in the United States and beyond *Helen Anne Curry*

Totemism and Indigenous Science *Stephen Muecke, University of Adelaide*

Theorising Partiality & Plurality in Science *Mythily Meher, University of Melbourne*

Session Organizer:

Tiago Ribeiro Duarte, University of Brasília

Chair:
Carlos Francisco Baca Feldman, Redes por la Diversidad, Equidad y Sustentabilidad A.C.

208. Travelling Knowledge (III): Metworks of Scholars and Objects

2:00 to 3:30 pm
ICC: C2.6
Participants:

- Knowledge Accretion and Dispersion of Agricultural Bioinformatics products within Aboriginal Groups in Jharkhand (India) *Diwakar Kumar, Central University of Gujarat*
- Knowledge through the media and the perception of public policy effectiveness *Andre Sica de Campos, UNICAMP; Janaina Costa, UNICAMP*
- Politics, Ideology, and Hegemony in 'Truly International' Mathematics *Michael Barany, Dartmouth College*
- Technical appropriation and global circulation of instruments at the National Astronomical Observatory of Chile (1886-1887) *Sanhueza Carlos, Universidad de Chile; Lorena B. Valderrama, Universidad Alberto Hurtado*
- Transcendental networks: scholars, objects and internationalization *Leandro Rodriguez Medina, Universidad de las Americas Puebla*

Session Organizer:
Leandro Rodriguez Medina, Universidad de las Americas Puebla
Chair:
Leandro Rodriguez Medina, Universidad de las Americas Puebla

209. STS Across Borders: Recap and Next Steps

Special Event
2:00 to 3:30 pm
ICC: E3.10
Session Organizer:
Aalok Khandekar, Indian Institute of Technology, Hyderabad

210. Producing Transformations: Drugs, Bodies, and Experimentation 3

2:00 to 3:30 pm
ICC: E3.2
Participants:

- "Do those results from elsewhere apply?": How American regulators question the validity of clinical trials conducted "elsewhere" *Loes Knaapen, Université d'Ottawa*
- Understanding bacteria as always pathogens fuels overprescribing of antibiotics for urinary tract infections in hospitals: Clinicians' and older adult patients' experiences *Paula Saukko, Loughborough University; Emily Rousham, Loughborough University; Beryl Oppenheim, University Hospitals Birmingham NHS Foundation Trust*
- Transforming Altruism Into Solidarity? The Case Of Experimental Subjects In Psoriasis Research In Germany *Laura Schnieder, Goethe-Universität*
- From Visible to Invisible: Molecularization of Practice in Histopathological Diagnosis of Lung Cancer *Yeh-Han Wang, National Yang-Ming University*
- Transforming Pharmaceutical Capacities: Experimenting with Antibiotics in Food and Beer Production in Tanzania *Laura Meek, University of California, Davis*

Session Organizers:
Kane Race, University of Sydney
Kiran Pienaar, Monash University
Dean Anthony Murphy, University of Sydney
Chair:
Dean Anthony Murphy, University of Sydney

211. Critical Data Studies: Ethics and Human Contexts of Data Science III

2:00 to 3:30 pm
ICC: E3.3
Participants:
Towards a Normative Ethics of Online Moderation *Andrew Arthur Fitzgerald, Stanford University; Anna Gibson*
Vietnam Rural Broadband Internet Roll-Out: Rural Resident Voices Versus Mainstream Depictions *Trang Pham, University of Calgary*Machine Learning and Re-consent: The Tech Ethics of Transcription Services and Digital Labs *Amanda Windle, London College of Communiciation, University of the Arts, London*
Big Data, Big World: Knowledge Development in a Time of Transition *Hamish Robertson, University of Technology Sydney; Joanne Travaglia, University of Technology Sydney; Nick Nicholas, University of Technology Sydney*
From Analog to Digital: Numbers that Ignite Cyberactivism *Mei-chun Lee, Department of Anthropology, University of California, Davis*
Session Organizer:
Laura Noren, Obsidian Security

212. Cultures of Fact Travel

2:00 to 3:30 pm
ICC: E3.4
Participants:
How Wikipedia Works With Facts *Bunty Avieson, University of Sydney; Chao Sun, University of Sydney*
Baidu in Thailand: Have Facts, Will Travel? *Sarah Logan Logan, UNSW*Audience Understandings of Climate Change News - Emotion, Scepticism, and Uncertainty *Andreas R.T. Schuck, Amsterdam School of Communication Research; Catriona Bonfiglioli, University of Technology Sydney*
Facts and Affects in Online Climate Denial: Towards a Model of Tribal Epistemology *Benjamin Glasson, University of Melbourne*
Session Organizer:
Heather Ford, University of New South Wales
Chair:
Heather Ford, University of New South Wales
Discussant:
Christopher Anderson, College of Staten Island, CUNY

213. Life, Biopolitics and Techno-identities 1

2:00 to 3:30 pm
ICC: E3.5

Participants:

Recoding life: information and the biopolitical *Eric Deibel, Bilkent University*

The Operations Of The Familial Body: Genes, Family And Hereditary Cancer *Alison Monique Witchard, ANU*

Mediating biosocial possibilities: The deployment of biomedical technologies in HIV and viral hepatitis family disclosure narratives *Christy Newman, UNSW; Kerryn Drysdale, UNSW; Asha Sofia Persson, UNSW; Jake Rance, UNSW; Myra Hamilton, UNSW; kylie valentine, UNSW; Joanne Bryant, UNSW; Jack Wallace, Burnet Institute*

Expectations and disappointment for forensic technologies: A Comparative study on development of forensic DNA analysis *Mai Suzuki, University of Tokyo*

Old Wine in New Bottles? Forensic Anthropology and Metric Ancestry Estimation *Sarah Fruendt, Freiburg University*

Session Organizer:

Eric Deibel, Bilkent University

Chair:

Eric Deibel, Bilkent University

214. Global Perspectives on Responsible Innovation: Widening the Gaze II

2:00 to 3:30 pm

ICC: E3.6

Participants:

Pathways To Entrepreneurship: A Study Of Entrepreneurial Efforts Of Grassroots Innovators In Mechanical Engineering *Rollins John, Institute for Studies in Industrial Development*

Putting Responsibility Centre-Stage: The Case Of Responsible Stagnation *Fabien Medvecky, University of Otago; Michiel Van Oudheusden, KU Leuven/ University of Liège*

Responsible Innovation and Transnational Governance in Neuroscience and Neurotechnology: A Comparative Perspective *Nina María Frahm, Technical University Munich; Sebastian Michael Pfotenhauer, Technical University Munich*

Translating “Responsible Innovation” in Australia *Peta Ashworth, University of Queensland; Semso Sehic, University of Queensland*

Session Organizers:

Sebastian Michael Pfotenhauer, Technical University Munich

Nina María Frahm, Technical University Munich

215. If a Body Meet a Body: Making People in Daily Practice

2:00 to 3:30 pm

ICC: E3.8

Participants:

Nobody Knows What a Body Can Do: un/making the mediated body *Scott East, UNSW; Karen Kriss, UNSW Art & Design*

Reinventing the Heel: Technoscientific Interventions in Fashion Footwear *Christopher Hesselbein, Cornell University*

Tearoom Trade: Buildings, Bodies, Sex *Janice M. Irvine, University of Massachusetts*

Who's Listening? Practices of social justice listening within an advocacy coalition for policy change around hearing and deafness *Nicole Matthews, Macquarie University; Justine Lloyd, Macquarie University*

You Ain't Nothin But a ___: Modelling, Manufacturing, Standardising, and Enacting Elvis Presley in Regional NSW *Sahar Tavakoli, Cornell University*

Session Organizers:

Christopher Hesselbein, Cornell University

Sahar Tavakoli, Cornell University

Discussant:

Trevor John Pinch, Cornell University

216. The Impact of Outsourcing and Contracting on Accident Prevention in Complex Sociotechnical Systems (2)

2:00 to 3:30 pm

ICC: E3.9

Participants:

Outsourcing Risk Governance *Jan Hayes; Dolruedee Kramnaimuang King, University of Sydney; Lynne Chester, University of Sydney*

Organisational Complexity and Subcontracting Management: Confronting Lessons from Accidents and from Normal Functioning Safety Assessment *Nicolas Dechy, Institut de Radioprotection et de Sûreté Nucléaire; Alexandre Largier, Institut de Radioprotection et de Sûreté Nucléaire*

Ambiguous Reliability in Temporal and Outsourced Utility Construction Operations *Leon olde Scholtenhuis, University of Twente*

Session Organizer:

Jan Hayes

Chair:

Stéphanie Tillement, IMT Atlantique Nantes

217. Social Studies of Politics: State Affect? 1

2:00 to 3:30 pm

ICC: E5.1

Participants:

Comparison and Analysis of the Research Supporting Pattern in Think Tanks *Chunjie Liu, Chinese Academy of Sciences; Jianzhong Zhou, Chinese Academy of Sciences; Lu Zhao, Chinese Academy of Sciences*

Dangerous Cultures: Affective Safety Culture and the Work of Remediation at the Hanford Site *Pedro Eduardo de la Torre, John Jay College of Criminal Justice, CUNY*

Deliberations on Intellectual Property Rights in Indian Parliament: Contestation of Social Values through Political Negotiations *Deep Jyoti Francis, Jawaharlal Nehru University*

The need for a "social studies of politics" in STS *Nicholas James Rowland, The Pennsylvania State University; Jan-Hendrik Passoth, Technische Universität München; Govind Gopakumar, Concordia University*

Session Organizers:

Jan-Hendrik Passoth, Technische Universität München

Nicholas James Rowland, Pennsylvania State University

Chair:
Jan-Hendrik Passoth, Technische Universität München

218. Extractivism, Conservation, Science and Justice: Workshopping Emerging Approaches in Decolonial Science

2:00 to 3:30 pm
ICC: E5.10

Participants:

Human and non-human "undesirables" in hydrological framing of Cape Town's Kuils River *Nikiwe Solomon, University of Cape Town*

Windscapes and Socio-technical imaginaries of the Tsitsikamma Community Wind Farm, South Africa *Michelle Pressend, University of Cape Town*

Conservation and Expulsion: The Sikumi Forest Reserve in Zimbabwe 1 *Tafadzwa Mushonga, University of Cape Town; Frank Matose, University of Cape Town*

Protecting a "pristine biodiversity" on Mount Mabu: Constructing Divides and Marginalizing Local Worlds 1 *Anselmo Matusse, University of Cape Town*

Session Organizers:
Lesley J F Green, University of Cape Town
Gloria Baigorrotegui, Instituto de Estudios Avanzados - Usach
Kristina Lyons, University of Pennsylvania

Discussant:
Sebastian Ureta, Universidad Alberto Hurtado

219. Science, Technology and Society in the Polar Regions (1)

2:00 to 3:30 pm
ICC: E5.2

Participants:

Antarctica: A Pharmacopea of Genetic Material *Juan Francisco Salazar, Western Sydney University*

Against Otherworldliness: 'Placing' the Arctic in the Anthropocene *Alexis Rider, University of Pennsylvania*

Mattering the Economy *Kristin Asdal, University of Oslo; Tone Huse, University of Oslo*

Why Did Norway Ban Polar Bear Hunting? *Peder Roberts, KTH Royal Institute of Technology*

Session Organizer:
Justiina Dahl, KTH Royal Institute of Technology

220. Climate Technologies and Unintended Consequences 1

2:00 to 3:30 pm
ICC: E5.3

Participants:

Assessing the Contestation in Biofuel Production Approaches in India *Rahul Shukla, Indian Institute of Technology Guwahati; Sambit Mallick, Indian Institute of Technology Guwahati*

Cows as climate technologies: mapping cow-climate-human relations *Lauren Rickards, RMIT University; Donna Houston, Macquarie University; Andrew McGregor, Macquarie University*

Dreaming of a European Saharan Sun: A political ecology of big solar in Africa *Paul Munro, University of New South Wales*

Government and Renewable Energy Industry Leadership in Energy Transition – A Comparative Study between Australia and Taiwan *Yu-Chieh Lin, University of Technology Sydney*

Markets in the politics of renewable technologies *Daniel Breslau, Virginia Tech*

Soil, climate and the promises of underground carbon *Celine Granjou, University Grenoble Alps*

Session Organizer:
Jonathan Paul Marshall, UTS

Chair:
Jonathan Paul Marshall, UTS

221. Animals and Technology Around the World, Past and Present 1

2:00 to 3:30 pm
ICC: E5.4

Participants:

Animals and Technology in the Zoo *Marcus Carter, University of Sydney; Sarah Webber, University of Melbourne*

Designing for Animal-Human Interaction (AHIxD) *Ann Judith Morrison, University of Southern Queensland; Sarah Webber, University of Melbourne; Jane Turner, Queensland University of Technology*

Matchmaker, Matchmaker: The Creation of Technology through Epistemic Partnerships with Assistance Dogs *Leah M McClimans, University of South Carolina, University College Cork*

Mosquitoes as technologies for airborne diseases control *Claudia Santos Turco, HCTE-UFRJ / FIOCRUZ; Eduardo Nazareth Paiva*

On Dog-Technologies and Models: Canine Subjects and Experimental Objects *Brad Bolman, Harvard University*

Session Organizers:
Christena Nippert-Eng, Indiana University, Bloomington
Patrick C. Shih, Indiana University, Bloomington

Chair:
Christena Nippert-Eng, Indiana University, Bloomington

222. Regimes of Knowledge Production

2:00 to 3:30 pm
ICC: E5.5

Participants:

How do specialties reproduce their epistemic regimes? *Jochen Glaser, TU Berlin; Grit Laudel, TU Berlin; Chris Grieser, TU Berlin; Uli Meyer, TU Munich*

The diversity of research technologies: A comparative framework *Eric Lettkemann, Technische Universität Berlin*

Similar epistemic practices and diverse social structure lead to different social shapings of "functional equivalent" software programmes *Daniel Guagnin, TU Berlin*

Session Organizer:
Jochen Glaser, TU Berlin

223. The Politics of Science and Technology in International Development Open Panel 2

2:00 to 3:30 pm
ICC: E5.6

Participants:

Data Wars *Manjari Mahajan, New School University*

Making Global Facts: Scaling, Standardization, and Erasure in International Development Metrics *Erin V Moore, Northwestern University*

Mapping Land and Resources in Myanmar: New Data Infrastructures for New Development? *Jenny Elaine Goldstein, Cornell University; Hilary Faxon, Cornell University*

The Archipelago of Care: Connected Isolation in the Pan-African e-Network *Vincent Duclos, Drexel University*

Session Organizer:
Shobita Parthasarathy, University of Michigan

224. Time-Scapes of Toxicity (1): Making Boundaries

2:00 to 3:30 pm
ICC: E5.7

Participants:

Athwart a Mercurial Ocean: Transnational and Transcorporeal Flows of Methylmercury *Elspeth Probyn, University of Sydney*

Chip, Body, Earth: Toxic Temporalities of Intel Processor Production *Luke Munn, Western Sydney University*

Contaminated Insides? Capturing the histories and toxicities of DDT in Africa *Rene Umlauf, Martin-Luther University Halle*

Make it Safe, Make it Past *Britt Dahlberg, Science History Institute*

Segmenting Time, Escaping Ecology *Yoonjung Lee, KAIST; Seung Hee Cho, KAIST*

Session Organizers:
Britt Dahlberg, Science History Institute
Yeonsil Kang, Catholic University of Korea

Chair:
Yeonsil Kang, Catholic University of Korea

225. Digital Sexualities, Biomedical Practice, and Queer Realities: Activism & Sex Robots

2:00 to 3:30 pm
ICC: E5.8

Participants:

Queering The Promissory Futures Of Intersex: Or, Has Intersex Activism Been Queer STS All Along? *David Andrew Griffiths, Surrey*

Reconfiguration of Sex Robots/Reconfiguration of Sexual Practices *Tessa Leach, University of Melbourne*

Sex Technology: The Turn to Sexuality in the Age of Robots *Terence H. W. Shih, St. John's University, Taiwan*

Viral Transmission: Affect, Disidentification and the Curation of AIDS Activist Archives on Tumblr *Marika Cifor, Indiana University, Bloomington*

Session Organizers:

Stephen Molldrem, University of Michigan
Jean Hardy, University of Michigan
Roderic Crooks, *University of California, Los Angeles*

226. Crafting Common Worlding Pedagogies

2:00 to 3:30 pm
ICC: E5.9

Participants:

Waste pedagogies in Andean common worlds *Veronica Pacini-Ketchabaw, Western University*

Queer worlding pedagogies with tree-girl-dog assemblages *Mindy Blaise, Victoria University*

Learning with wild rabbits: Troubling the divides of settler colonialism *Affrica Taylor, University of Canberra*

Session Organizer:

Nicole Land, University of Victoria

227. STS in Practice: Activism, Algorithms and Accountability

Special Event
4:00 to 5:30 pm
ICC: C2.3

Session Organizers:

Joan Donovan, Data & Society Research Institute
Kim Fortun, University of California, Irvine

228. Investigating Drug Transformations Through an Ontopolitical Lens

4:00 to 5:30 pm
ICC: E3.2

Participants:

Doing ontopolitically-oriented research: Investigating and enacting lives of substance *Suzanne Fraser, National Drug Research Institute, Curtin University*

Assigning, advocating, addicting: Law, drugs and STS *Kate Seear, Monash University*

Making testosterone matter in motivations for steroid injecting *Renae Fomiatti, National Drug Research Institute, Curtin University*

Take-home naloxone and the ontopolitics of care *Adrian Farrugia, National Drug Research Institute, Curtin University*

Session Organizer:

Adrian Farrugia, National Drug Research Institute, Curtin University

229. Games in the City, Games in the Home

4:00 to 5:30 pm
ICC: E3.4

Participants:

Finding Shelter: How People Game Domestic Relationships *Mahli-Ann Rakkomkaew Butt, University of Sydney*

The home, the city, and the wild in avatar-based videogames *Robert David Ewan Fordyce, University of Melbourne*

Producing Platforms for Locative Play *Kyle Moore*

She Shares Shelfies: The Presentation of Boardgame Collections at Home and in Public *Melissa J. Rogerson, University of Melbourne*

Playing and Being Together: Materiality of MMORPG and its Construction of New Urban Life for Young Females in China *Xiaoxu Chen, Tsinghua University; Chadwick Wang, Tsinghua University*

Session Organizer:

Robert David Ewan Fordyce, University of Melbourne

230. Life, Biopolitics and Techno-identities 2

4:00 to 5:30 pm

ICC: E3.5

Participants:

Inside a Patient Organization in Russia: “Not-so-Epic” Story of Maintaining Patient Activism *Alexandra Endaltseva, L'École des hautes études en sciences sociales / Linköping University*

"Being You is Not Sick": (De)medicalization of Thai Kathoey Identity *Alyssa A Lynne, Northwestern University*

Struggle for Connection: From Queer Rebels to Pharmaceutical Conformists *Yi-Tsun Chen, Australian National University*

Between Persuasion and Coercion: Situating Mandatory Influenza Vaccination Policy of Healthcare Personnel (HCP) *Rachel Gur-Arie, Ben-Gurion University of the Negev*

Session Organizer:

Eric Deibel, Bilkent University

Chair:

Eric Deibel, Bilkent University

231. Global Perspectives on Responsible Innovation: Widening the Gaze I

4:00 to 5:30 pm

ICC: E3.6

Participants:

Between Inclusiveness and Responsibility. STI policy agendas, frameworks and practices 'towards society' in developing countries *Hernan Thomas, IESCT-UNQ / CONICET ; Gabriela Bortz, IESCT-UNQ / CONICET; Santiago Garrido, IESCT-UNQ / CONICET*

Globalizing Responsible Research and Innovation: Experiences in international collaboration for RRI *Tess Doezema, Arizona State University*

Innovation as interaction processes: the socio-technical constitution of Mondragon Cooperative Corporation (MCC) *Juan Carlos García-Cruz, Universidad del País Vasco, España*

'Opening up' science policy? Engaging with RRI in Brazil *Marko Monteiro, State University of Campinas; Luis Ignacio Reyes-Galindo, State University of Campinas (UNICAMP); Phillip Macnaghten, Wageningen University*

Session Organizers:

Sebastian Michael Pfotenhauer, Technical University Munich
Nina María Frahm, Technical University Munich

232. Making Biofutures: Anticipating the futures of biomedicine, healthcare, and life itself

4:00 to 5:30 pm
ICC: E3.8

Participants:

Big data and bold visions: The political economy of the emergent algorithmic medicine and healthcare *Alan Petersen*

Making the future (socially) robust: ELSI as authoritative endorsement of biomedical promise *Koichi Mikami, KOMEX, University of Tokyo*

Remaking parents: Mitochondrial replacement therapy (MRT) and the fiction of genetic parenthood *Catherine Mills, Monash University*

The last menopausal woman and other future reproductive imaginaries *Andrea Whittaker, Monash University*

Session Organizer:

John Grant Gardner, Monash University

Chair:

Samuel Taylor-Alexander, Monash University

Discussant:

Ayo Wahlberg, University of Copenhagen

233. Social Studies of Politics: State Affect? 2

4:00 to 5:30 pm
ICC: E5.1

Participants:

Regulation, science and the state: reproductive technologies in India *Vasudha Mohanka, University of Wollongong*

The Transition of Tokyo Water Supply System: 1875-now *Aobo Ran, Tsinghua University*

What development for Uruguay?: A multi-layered analysis of development dimensions and pathways *Isabel Bortagaray, Universidad de la Republica; Marila Lázaro; Amalia Stuhldreher, Universidad de la República*

Who Speaks For Water in Times of Crisis? Iranian Perspective on Co-production of Engineering and Governance *Ehsan Nabavi*

Session Organizers:

Jan-Hendrik Passoth, Technische Universität München
Nicholas James Rowland, Pennsylvania State University

Chair:

Nicholas James Rowland, Pennsylvania State University

234. Science, Technology and Society in the Polar Regions (2)

4:00 to 5:30 pm
ICC: E5.2

Participants:

Militarizing And Demilitarizing The Cold War Arctic: Shifting Technologies, Strategies, And Field Practices *Ronald E Doel, Florida State University*

Mining technologies and (not) mining in Antarctica *Susanna Maria Elizabeth van der Watt, KTH Royal Institute of Technology*

For the common good of mankind – and Finnish cold weather technology *Justiina Dahl, KTH Royal Institute of Technology*

Session Organizer:

Justiina Dahl, KTH Royal Institute of Technology

Discussant:

Britt Kramvig, University of Tromsø

235. Animals and Technology Around the World, Past and Present 2

4:00 to 5:30 pm
ICC: E5.4

Participants:

Patients Or Models? Dogs As Laboratory Companions In Cancer Research *Declan Liam Kuch, UNSW; Matthew Kearnes, UNSW*

Reanimating the Mammoth *Matthew Chrulew, Curtin University*

Sounding the Alarm: Animals as Anticipatory Technologies in Practices of Futuring *Stephanie Lavau, University of Melbourne*

Technopolitical transformations of insect bodies: managing beekeeping in Australia *Catherine Phillips, University of Melbourne*

Using Citizen Science to Study Bird of Prey Migration In Southern Ontario *Antoinette Battaglia, York University*

Will They Bite? Leeches and Sociotechnical Agencies in Ayurvedic Medicine *Lisa Allette Brooks, University of California, Berkeley*

Session Organizers:

Christena Nippert-Eng, Indiana University, Bloomington
Patrick C. Shih, Indiana University, Bloomington

Chair:

Patrick C. Shih, Indiana University, Bloomington

236. The Politics of Science and Technology in International Development Open Panel 3

4:00 to 5:30 pm
ICC: E5.6

Participants:

Digital Matatus: the discursive and material effects of data science in Africa *Kerry Holden, Queen Mary, University of London; Matthew Harsh, Cal Poly*

Making “Appropriate Technology” African: Biomedical Technology from CASTAFRICA to the Global Health Innovation Accelerator *Heidi Morefield, Johns Hopkins University*

Producing Biomedical Value and Commodities in Global Health and Development *Kirsten Moore-Sheeley, Johns Hopkins University*

The Political Machineries of Sanitary Pads as Pro-Poor Technologies: Between India and the World *Shobita Parthasarathy, University of Michigan*

White people's shit: incremental development and excremental politics *Adia Benton*

Session Organizer:

Shobita Parthasarathy, University of Michigan

Discussant:

Richard Rottenburg, University of Halle

237. Time-Scapes of Toxicity (2): Time of Knowing

4:00 to 5:30 pm

ICC: E5.7

Participants:

Bodily time, material time: Battling with asbestos in South Korea *Yeonsil Kang, Catholic University of Korea*

Temporalities of Wildfire, Private-Equity, and Chemical Reaction in the 2014 WIPP-LANL Kitty Litter Accident *Vincent Ialenti, George Washington University*

The Regulatory and Legal Issues of the Humidifier Disinfectant Disaster in Korea *Sungook Hong, Seoul National University*

Statutes of Limitation and Subcellular Injury: Time and Knowledge Production in the Taiwan RCA Litigation *Hsin-Hsing Chen, Shih-Hsin University Graduate Institute for Social Transformation Studies*

Session Organizers:

Yeonsil Kang, Catholic University of Korea

Britt Dahlberg, Science History Institute

Chair:

Britt Dahlberg, Science History Institute

238. Digital Sexualities, Biomedical Practice, and Queer Realities: Culture + Identity

4:00 to 5:30 pm

ICC: E5.8

Participants:

Dazzle camouflage and queer counter conduct *jessa lingel*

Queering Mobilities, Imagining Desire *Vishnupriya Das, University of Michigan*

Queer encounters with D/deaf identities *Rebekah Cupitt, UCL Anthropology/City, University of London*

Session Organizers:

Stephen Molldrem, University of Michigan

Roderic Crooks, *University of California, Los Angeles*

Open Panel Convenors

Many thanks to the individuals who organized Open Panels:

Marine Al Dahdah, Mathieu Quet	Digital Imperialism: Colonizing Everyday Lives in the Global South
Nina Amelung	Collating Publics in Collections of Human Biological Material and Data
Sulfikar Amir, Lyne Fearnley	Global STS in Deglobalization of the World
Rachel Ankeny, Heather Bray	Transgressing the Intersection of Science and Food
Rachel Ankeny	Organisms and Us in Dialogue
Zeke Baker	Climate, Science, and Empire: Bridging Historical and Current Developments
John Bencze	Science and Technology Studies and Science Education: 'High' vs. 'Low' Church Tensions
Koen Beumer, Noela Invernizzi	How Do Governance Mechanisms for Science and Technology Travel Across Borders?
Kean Birch	Turning (More) Things into Assets: Techno-economic TRANSformations
Brad Bolman	Global Animals: Science and Technology
Soraya Boudia, Tania Navarro Rodriguez	Governing Toxic Waste
Bianca Brijnath, Loretta Baldasser, Maho Omori	Caring across borders: Materiality and Belonging in Transnational Families
Olga Bychkova	Doing STS in the Post-Soviet World: The Regression of Progress
Brian Callahan	Remaking Collaboration in Technoscientific Production
Dian Zeng	That Which Arises from the (Human or Mechanical) Eye
Nicole Charles	Sensing Beyond Borders
Bidisha Chaudhuri, Janaki Srinivasan, Sachit Rao	Artificial Intelligence and Cognition as Social Praxis
Jaz Hee-jeong Choi, Anne Galloway, Larissa Hjorth	Messing with Methods in More-than-Human Worlds
Peta Cook	The Medicalization of Aging
Justiina Dahl	Science, Technology and Society in the Polar regions
Britt Dahlberg, Yeonsil Kang	Time-scapes of Toxicity
Jenny-Ann Brodin Danell	Science and Technology Studies on Transnational Complementary and Alternative Medicine (CAM)

Jenny Davis, Timothy Graham, Baptiste Brossard	Affordances and Architectures: A Materialist Approach to Digital Design
Sarah de Rijcke, Iris Wallenburg, Tjitske Holtrop, Roland Bal	E/valuative Actions: Exploring the Doings of E/valuation in Evaluative Systems
Heather Ford	Cultures of Fact Travel
John Gardner	Neurosocieties: Interdisciplinary Explorations of the Brain, Culture and Ethics
Diane Gu	(Re)Thinking Mobilities and Chinese STS: The Politics, Practices, and Cultural Logics of Diasporic Chinese Scientists in Technosciences, 1919-2018
Sandra Harding	Latin American Science, Technology and Society: Women, Gender, and Sexuality Issues
Jan Hayes, Stéphanie Tillement	The Impact of Outsourcing and Contracting on Accident Prevention in Complex Sociotechnical Systems
Chris Hesselbein, Sahar Tavakoli	If a Body Meet a Body: Making People in Daily Practice
Jarita Holbrook, Vivian Wong	Making Transnational STS Films and Videos: Who, What, Where, How, and Why of Crossing Domains of Sciences and Technologies through Media-making?
Wei Hong, Jian Yang, Chenggang Zhang	Environmental Risks in Transnational Contexts
Alastair Iles	Environmental Visualizations: Connecting Images, Knowledge, and Politics
Alastair Iles	Diversifying Agri-food STS Scholarship Across Transnational Borders
Lindsay Kelley, Jennifer Mae Hamilton, Susie Pratt	Composting Feminisms & Environmental Humanities
Aalok Khandekar, Kim Fortun	Air Pollution Governance: Histories, Sites, Styles
Hannah Grankqvist, Jenny Gleisner	Beyond Boundary Objects and Immutable Mobiles: New Ways of Thinking about the Movement of Knowledge
Kari Lancaster	'Evidence-making Intervention': Transforming Implementation Science
Grit Laudel, Richard Wolley, Cassidy Sugimoto	How Does Mobility Change Researchers, Research Groups and Scientific Communities?
Gregory Leazer, Robert Montoya	Transnational Risk and Information

Clarissa Ai Ling Lee	Risks, Standards, and Knowledge Circulation in Nuclear and Radiation Science and Technology for Development
Heather Lovell, Andrew Harwood	Experiments in Infrastructure
Deborah Lupton	Critical Digital Health Studies
Casimir MacGregor, Ruth Berry	TRANS-disciplinary Research Through STS Practice: The Co-creation of Knowledge and Collaboration
Adrian Mackenzie, Anna Munster	Platform Practices and Predictive Seeing
Allison Marsh	STS Institutes and Programs: What's Working and What Do We Want to Do Next?
Jonathan Marshall	Climate Technologies and Unintended Consequences
Koichi Mikami	Concepts and Practices of ELSI: Exploration of Its Plurality
Aftab Mirzaei	States of Matter/Matters of State: Amphibious Scholars in Technoscientific Space
Stephen Molldrem, Jean Hardy, Roderic Crooks	Digital Sexualities, Biomedical Practice, and Queer Realities
Judy Motion, Alice Williamson, Laura McLauchlan	Science and Activism: Trans-Disciplinary STS Approaches
Tahani Nadim, Antonia Walford	Data Worldings and Post/colonial Connectedness
Timothy Neale	Flammable Futures: Encountering Combustion in a Changing Climate
Christena Nippert-Eng, Patrick C. Shih	Animals and Technology Around the World, Past and Present
Sébastien Nobert	Time of Predictions: Temporality Within Climate and Weather Sciences
Laura Noren	Critical Data Studies: Human Contexts and Ethics
Tom Ozden-Schilling, Denielle Elliott, Thomas De Pree, Dana Powell	Unsettling STS: Scaling Up Critical indigenous Analytics
Shobita Parthasarathy	The Politics of Science and Technology in International Development
Jan-Hendrik Passoth, Nicholas James Rowland	Social Studies of Politics: State Affect?
Anju Paul	Is There Such a Thing as Asian Science? The Making of Asian Science: Comparative and Historican Perspectives

Vincenzo Pavone	Bioeconomies – Life, Technology, and Capital in the 21st Century
Sebastian Pfotenhauer, Nina María Frahm	Global Perspectives on Responsible Innovation: Widening the Gaze
Roopali Phadke, Abby Kinchy	STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction
Thao Phan, Sally Olds, Emma Black	Post-Cyber Feminism: Mutations in Australian Feminist Technoscience
Lindsay Poirier	Research Infrastructures, Digital Tools and New Directions in STS Research
Anne Pollock	Trans/national Politics of Race, Racism, and Anti-Racism
Inez Ponce de Leon, Anto Mohsin	How Do They Understand the Science? Communicating Science, Risks, and Disasters
Kane Race, Kiran Pienaar, Dean Anthony Murphy	Producing Transformations: Drugs, Bodies, and Experimentation
Tiago Ribeiro Duarte, Claudia Magellanes-Blanco	Indigenous Knowledges and Technologies
Leandro Rodriguez Medina	Travelling Knowledge: Theories, Methods and Empirical Research Made in Circulation
Marie Sautier	Contested Academic Norms: Unraveling Evaluation Discourses and Practices in an Age of “Excellence”
Franz Seifert, Camilo Fautz	Public Engagement in Science and Technology Policy
Ravi Shukla	Collecting as a Hobby: An STS Exploration
Barbara Silva	National Identities and Nationalism in Transnational Science and Technology during the 20th Century
Roger Søraa	Automation and the Transition to the Robotocene
Knut H. Sørensen, Sharon Traweek	Revisiting Feminist Technoscience: Exploring Disciplinary Diversity and Translocal Issues in/of Gender in/of Academia
Helene Sorgner, Sophie Ritson	Something from Nothing: Exploring Non-discovery and Negative Claims
Darryl Stellmach, Marlee Tichenor	Without Borders? The Future of Global Health and Transnational Humanitarianism
Yolande Strengers	Smart Homes in Everyday Life: Labour, Leisure and Pleasure
Peter Taylor	Lives in STS “as a Series of Failed Political Experiments”
Sonja Van Wichelen, Marc De Leeuw	Personhood, Law and Relationality Amidst the New Biosciences
Stephanie Vasko	Exploring Approaches to Catalyzing Transdisciplinary Engagement

Joseph Satish Vedanayagam	Being Religious, Being Scientific: the Dynamics of Science and Religion in the Laboratory
Jane Bjørn Vedel, Andrew Webster, John Grant Gardner	Trans-organisational Collaboration in Different Sectors: Epistemic Values and the Dynamics of Co-production
Andrew Ventimiglia, Susannah Chapman	Science, Technology, and the Regulation of Food and Agriculture
Helen Verran, Radhika Gorur	How do STS Studies Translate Numbers
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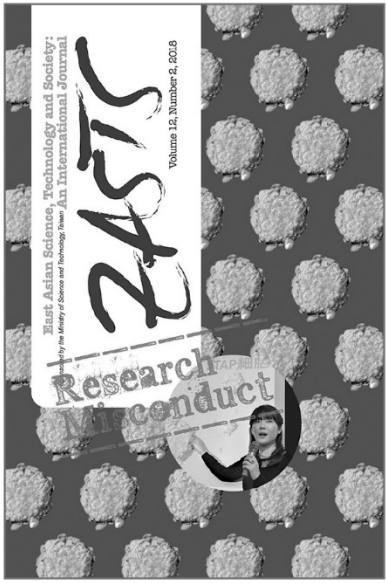

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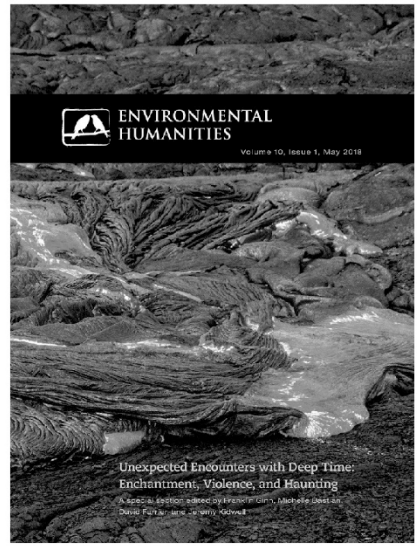

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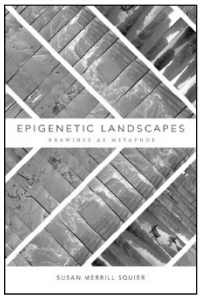

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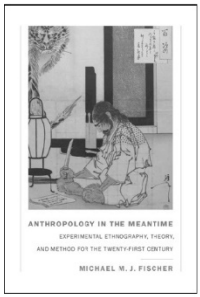

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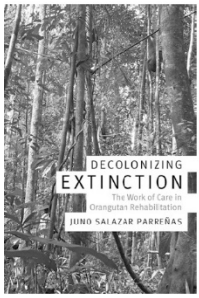

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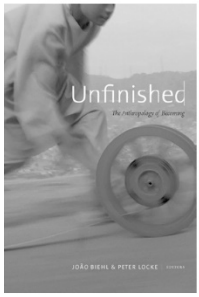

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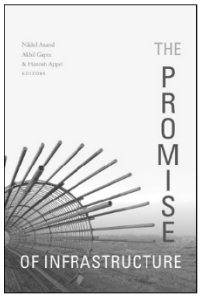

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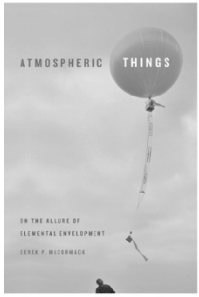

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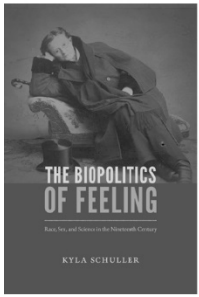

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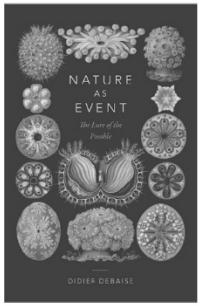

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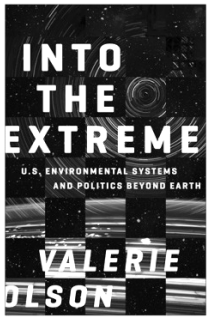

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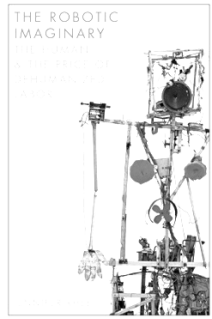

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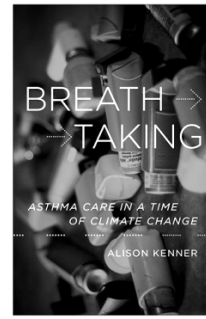

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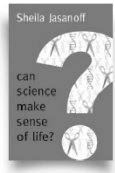

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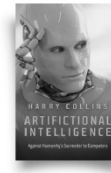

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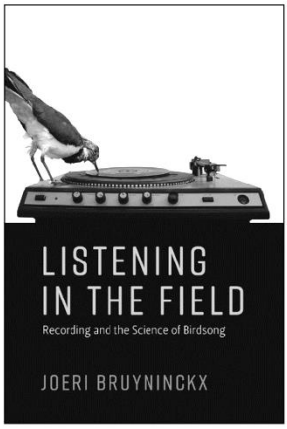

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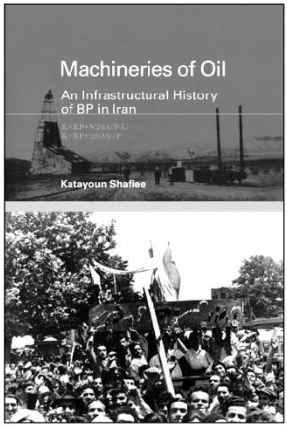

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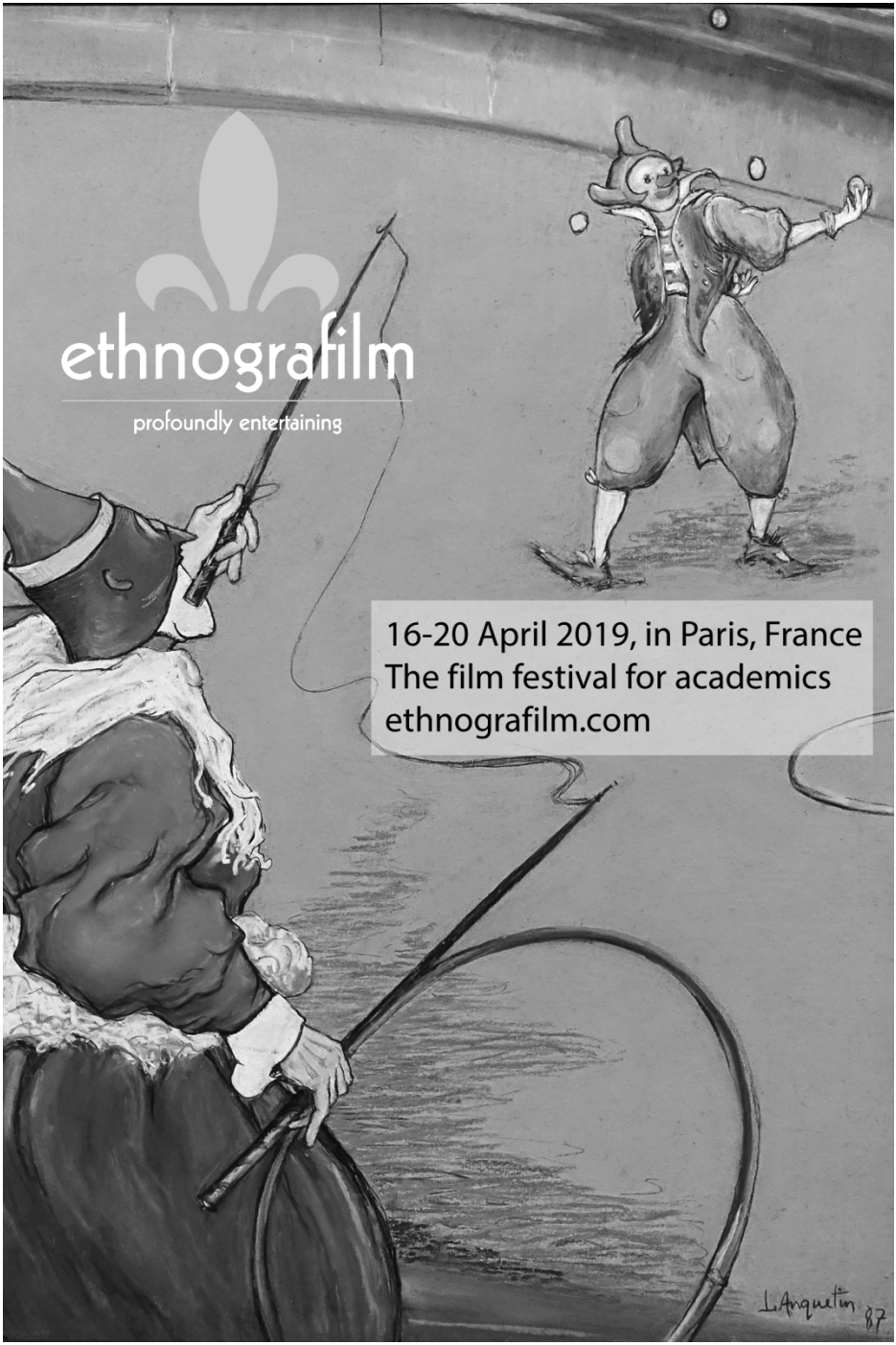
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