WEDNESDAY, NOVEMBER, 11

001. 4S Publication Committee Meeting
Business Meeting
1:00 to 3:00 pm
Denver Hotel: Plaza Court 8

002. 4S Council Meeting
Business Meeting
3:00 to 6:00 pm
Denver Hotel: Plaza Court 8

003. Presidential Plenary
Plenary Session
6:00 to 7:30 pm
Denver Hotel: Plaza Ballroom A, B, C
Chair: Gary Downey, Virginia Tech

004. 4S Welcome Reception
Reception
7:30 to 9:00 pm
Denver Hotel: Plaza Exhibit All

THURSDAY, NOVEMBER, 12

005. Critical STS Approaches to Science Communication, I
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row E
Participants:
Science communication beyond deficit and dialogue Sarah R Davies, University of Copenhagen; Maja Horst, University of Copenhagen
The role change and evaluation of scientist in science communication Xiaomin Zhu, Peking University
Unpacking the ‘science’ in Indian science museums Anwesha Chakraborty, University of Bologna
Science slam: a new popularized and artistic way of informal science communication Miira Hill, Technical University Berlin
Sounding out how we speak about synthetic biology Britt Wray, University of Copenhagen
Chair: Maja Horst, University of Copenhagen

006. From Bedrooms to Boardrooms
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row G
Participants:
The credit card as plasmic device Justin Douglas, University of Toronto
Corporate scenario planning’s alternative future histories Bretton Fosbrook, York University
Personality testing, human capital, and affect in corporate America Kira Lussier, University of Toronto
How Industry Analysts Shape the digital Future: Towards a Sociology of Business Knowledge Neil Pollock, University of Edinburgh; Robin Williams, University of Edinburgh
Imaginative Hedonism and the Pleasures of Economic Literacy Media Caroline Jack, Cornell University

007. STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction I
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row J
Participants:
Extracting life: open pit mines on a Mars analog Filippo Bertoni, Aarhus University
Making ‘artisanal’ miners, appropriating African mineral expertise Robyn d’Avignon, University of Michigan
Who Speaks for the Subsurface? A Decade of Groundwater and Natural Gas Conflict in the Four Corners Region Adrienne Kroepsch, University of Colorado-Boulder
Uranium Mining and Socioeconomic Expertise Charles de Souza, Virginia Tech
Discussant: Abby Kinchy, Rensselaer Polytechnic Institute

008. Computing in Science: Infrastructure, Work, and Knowledge
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 11
Participants:
Collaborative Challenges in Interdisciplinary Data Science Projects Theresa Velden, University of Michigan; Jean-Claude Plantin, University of Michigan; Carl Lagoze, Cornell University
Modelling life: the emergence of systems biology Niki Vermeulen, University of Edinburgh
Object as Infrastructure: The Sky in Astronomical Computing Goetz Hoenpe, University of Waterloo
Thick Traces: Three-Dimensional Modeling in Archaeology Emanuel Moss, CUNY Graduate Center
Mediatization that makes SENSE: Media Objects, Logics, and Practices in a Networked Nuclear Physics Laboratory Jonathan Scott Brennen, UNC-Chapel Hill

009. The Reflexive Turn in Art and Science Studies: Art and Science I: Power Relations in Art and Science Studies: Methods of Analysis
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 12
Participants:
Patterns of Power: Investigating Interactions in Art and Science Hannah Star Rogers, Cornell University
Shoddy Weeds: Natural Histories of Waste and Empire Hanna Rose Shell, MIT Program in STS
Technologies in Science and Art. A Comparison of Two Object’s Genesis Julian Stabbe, Technische Universität Berlin
Art-sci Projects: What Kind of Evidence? For Whom? Silvia Casini, University of Aberdeen
Pull, Process, Print: Aesthetic Interventions in Biodata Paula Gardner, OCAD University
Chair: Hannah Star Rogers, Cornell University

010. Sex and Gender in Biomedicine
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 14
Participants:  
A Blunt Instrument?: Cosmetic Surgery in Southeast Asia and the U.S. Alka Menon, Northwestern University  
Controversies on Biological Sex: Two Critical Moments in the History of the Sciences of Sex Veronica Sanz, UC-Berkeley  
Displaying the Once Internal: Visualizing Medical Practice and a Surgical Signature in late Ottoman Istanbul Zeynep Devrim Gursel, Macalester College  
Interspecies Orgies: Locating Human Nature within Entangled Sexualities Charlie Lotterman, Rice University

011. Digital Worlds  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Governor's Square 16  
Participants:  
Examining digital disruption in the music industry Hyojung Sun, University of Edinburgh  
Objects, Ontologies, and Technologies: Personal Photography in the Age of Social Media Nancy A. Van House, University of California, Berkeley  
Optimized for access: a short history of cultural heritage digitization Melissa K Chalmers, University of Michigan  
Physically Dis-abled teenagers using the internet Herminder Kaur, Loughborough University  
The Role of Mass Media; as a “post-school education system” Midori Aoyagi, National Institute for Environmental Studies

012. Prospects for Technoscientific Democratization in Unexpected Places: The Space Case  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Governor's Square 17  
Participants:  
The Long Space Age: Public and Private Space Exploration Eras Alexander MacDonald, NASA  
Sharing the Shuttle with America: NASA and Public Engagement Amy Kaminski, NASA/Virginia Tech  
Space: the “First”, not “Final”, Frontier for participatory Technology Assessment Gretchen L Gano, Arizona State University  
Democratic Risks in Neoliberal Spaceflight and Governing Public Goods Michael Bouche, Rensselaer Polytechnic Institute  
NASA’s Use of Anthropomorphism in Marketing Space Programs to the Public Deron Ash, Arizona State University  
Chair: David Tomblin, University of Maryland, College Park  
Discussant: David Tomblin, University of Maryland, College Park

013. Materialities of the Digital: Bodies  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Governor's Square 9  
Participants:  
Desire by Design Patrick Keilty, University of Toronto  
From Feeling the Digital to Becoming the Digital Jason Archer, University of Illinois at Chicago  
Go-go gadget vision or a cure for the blind? A rhetorical analysis of Google X’s bionic contact lens Kirsten Ellison, University of Calgary; Isabel Pedersen, University of Ontario Institute of Technology  
Making meaningful materialities of technology and Swedish sign language. Rebekah Caputi, Department of Media Technology & Interaction Design, Royal Institute of Technology, Sweden  
Playing with Materiality: Understanding Digital Materiality through Emulated Play of Two Zelda Games Ayse Gursoy, School of Information, University of Texas at Austin  
Material matters: a reflection about physical art in video games Federica Oriati, IT University of Copenhagen

014. Knowledge and Practice in Medicine  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Plaza Ballroom D  
Participants:  
Autism, Ethics, and Applied Behavioural Analysis: how evidence becomes empathy Julia Frances Grasoon-Wood, York University  
Doing ‘Medications’: Praxiography to inform the coordination of medical work David Peddie, Simon Fraser University  
Negotiating the Evidence Hierarchy – How Information Mediators Frame Evidence in Healthcare Practice Jill McTavish, London Health Sciences Centre  
Technological Change in Medical Practice: who makes it? Ann Lemnaron Greer, University of Wisconsin-Milwaukee; Scott L Greer, University of Michigan  
The Sociomateriality of Medical Decision Making: The Case of Cardiology Practice Phaedra Daipha, Rutgers University  
Chair: Phaedra Daipha, Rutgers University

015. Postphenomenological Research 1: Alterity relations, robots, and virtual others  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Plaza Ballroom E  
Participants:  
The Internet Teacher: Online/Virtual/Cyber or Authority in Alterity Relations? Bjarke Lindso Andersen, Aarhus University  
Multistable Alterity Relations Cathrine Hasse, Aarhus University  
Weird Realism and Alterity Relations – and Some Remarks about the Gaze of Robots Oliver Tafdrup, Aarhus University  
Synesthesia and Human-Robot-Interactions – How Alterity Relations shape Sensorimotor Unity Michael Funk, TU Dresden  
The relationship between cats and pansies: a post-phenomenological perspective on technology, culture and education. Mauricio Fernando Bozatski, Universidade Federal da Fronteira Sul  
Chair: Cathrine Hasse, Aarhus University  
Discussant: Robert Rosenberger, Georgia Institute of Technology

016. S&T policies: the evolution of agendas and of governance practices I  
Paper Session  
8:30 to 10:00 am  
Denver Hotel: Plaza Ballroom F  
Participants:  
The volatility of S&T policy agenda in Brazil Victor Pelaez, Federal University of Paraíba; Noela Invernizzi, Federal...
019. Psychotechnics: Historicizing the Psychotechnical Apparatus

Chair: Elizabeth Lawrence, Ball State University
Participants: Anthony Cerulli, Hobart & William Smith Colleges

020. Effects of climate change and climate variability: How does climate change and climate variability affect the way you live?

Chair: Luke Stark, New York University
Participants: Anthony Cerulli, Hobart & William Smith Colleges

021. Green Design and (Post-)Consumption: Imaginations, Implementations, and Challenges

Chair: Eford, Wofford College
Participants: Anthony Cerulli, Hobart & William Smith Colleges

018. Colonial Sciences and Vernacular Knowledge Systems: Scientific Transformations in Asia, 19th-20th Centuries

Chair: Sharra Vostral, Purdue University
Participants: Anthony Cerulli, Hobart & William Smith Colleges

017. Diseases & Devices I

Chair: Victor Pelaez, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

016. Colonial Sciences and Vernacular Knowledge Systems: Scientific Transformations in Asia, 19th-20th Centuries

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

015. Psychotechnics: Historicizing the Psychotechnical Apparatus

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Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

023. Psychotechnics: Historicizing the Psychotechnical Apparatus

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Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

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Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

027. Psychotechnics: Historicizing the Psychotechnical Apparatus

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Participants: Anthony Cerulli, Hobart & William Smith Colleges

028. Effects of climate change and climate variability: How does climate change and climate variability affect the way you live?

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Participants: Anthony Cerulli, Hobart & William Smith Colleges

029. Green Design and (Post-)Consumption: Imaginations, Implementations, and Challenges

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

030. Colonial Sciences and Vernacular Knowledge Systems: Scientific Transformations in Asia, 19th-20th Centuries

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

031. Psychotechnics: Historicizing the Psychotechnical Apparatus

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

032. Effects of climate change and climate variability: How does climate change and climate variability affect the way you live?

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges

033. Green Design and (Post-)Consumption: Imaginations, Implementations, and Challenges

Chair: Noela Invernizzi, Federal University of Parana
Participants: Anthony Cerulli, Hobart & William Smith Colleges
022. Translational STS: From Seeing to Making/Doing/Changing
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 7
Participants:
- Toward a Hybrid Science: Human Evolutionary Studies Linnda Caporael, Rensselaer Polytechnic Institute
- Wisdom Matters: Translational Humanities and Social Science Dean Button, Rensselaer Polytechnic Institute
- Bodymancy: STS as a Link between Bodyhackers and the Medical Community James W. Malazita, Rensselaer Polytechnic Institute
- Making a Living: Institutional Challenges to Making, Doing, and Succeeding David A Banks, Rensselaer Polytechnic Institute

STS-Informed Global Engineering Pedagogies – Process vs. Content Jane L Lehr, California Polytechnic State University; Dianne DeTurris, California Polytechnic State University; Alana Snelling, California Polytechnic State University; Cecillia Nhu Tran, California Polytechnic State University; Lia Applegarth, California Polytechnic State University

Chair: James W. Malazita, Rensselaer Polytechnic Institute
Discussants: Dean Nieusma, Rensselaer Polytechnic Institute
Selma Sabanovic, Indiana University

023. Academic Careers and Knowledge Production
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 8
Participants:
- Producing scientific knowledge: precarious careers, peer-review and institutional contexts Lindsay Parker, Fairleigh Dickinson University
- The “Problems” of Post-Docs: Problem Definition in the Emergence of “Post-Doc Offices” Jennifer Croissant, University of Arizona
- Becoming independent: The emergence of individual research programmes Grit Laudel, Technical University Berlin; Jana Bielick, Technical University Berlin
- Convergence or divergence: Practice of science as experienced by migrants in India and the US Meghna Sabharwal, The University of Texas at Dallas; Roli Varma, University of New Mexico
- The Effect of Holding a Research Chair on Scientists’ Productivity Seyed Reza Mirnezami, Polytechnique Montreal; Catherine Beaudry, Polytechnique Montreal; Vincent Larivière, University of Montreal

Chairs: Grit Laudel, Technical University Berlin
Jana Bielick, Technical University Berlin

024. Critical STS Approaches to Science Communication, II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director’s Row E
Participants:
- Interpretation of contentious scientific knowledge in the age of social media Noriko Hara, Indiana University
- Models of science communication and Internet in Brazil: what ways? Meghie Rodrigues, Campinas University (UNICAMP)
- A Paratextual Analysis of the Reception of an NSF-Funded "Science Comic Book" William Joseph White, Penn State Altoona; Hosler Jay, Juniata College
- Mind the Gap? Translating science and technology projects with TED Heidi Gautschi, EPFL; Gianluigi Viscusi, EPFL-CDM
- Making and Breaking Boundaries in the Public Communication of Physics Mircea Sava, University of Bucharest

Chair: Sarah R Davies, University of Copenhagen

025. Epistemic Governance in Times of Austerity
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director’s Row G
Participants:
- ‘Where are the metrics?’ Organized ambiguity in staging a societal impact-oriented research assessment Alex Rushforth, Centre for Science, Technology & Society, Leiden University; Sarah de Rijcke, Leiden University
- Domesticating Global Science Policy Model Seppo Poutanen, University of Turku
- Entrepreneurial University – Nightmare or Dream come true? Seppo Poutanen, University of Turku; Anne Kovalainen, University of Turku; Jarna Heinonen, University of Turku
- Epistemic Community & Governance: Changes in the Brazilian S&T&I System Barbara Regina Vieira Lopes, University of São Paulo, Brazil
- Words and Money – Ethnography of Science Evaluation in Austerity Times Rosemary Deem, Royal Holloway, University of London; Anne Kovalainen, University of Turku; Seppo Poutanen, University of Turku
- Post-crisis Innovation Policy and the Making of Un/Ruly Publics Stevienna de Saille, University of Sheffield

Chair: Seppo Poutanen, University of Turku

026. STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director’s Row J
Participants:
- Coal Mining and Coal Seam Gas Controversies in Sydney's Drinking Water Catchments Sharyn Beverley Cullis, School of Environmental Humanities, University of NSW, Sydney, Australia
- Mercurial Soils: Shifting Ground and Toil in Peruvian Gold Mines Ruth Goldstein, University of California, Berkeley
- Post-Natural Resource Extraction: The Ecologies and Economies of Superfund Cleanups Lindsey L Dillon, UC Davis
- Precarious conditions of the Nepalese Migrant Workers in the...
027. International Perspectives on EJ and STS
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 11
Participants:
"Contested Evidence: Environmental Justice, Indigenous Traditional Knowledge, and the Petrostate” Sarah E. Blacker, University of Alberta
Energy Justice for an Interdependent World Sharlissa Moore, Michigan State University
Environmental justice and cold war technopolitics in the Archipelago of La Maddalena (Italy) Davide Orsini, University of Michigan
Whose Environmental Justice?: Resource Competition in Suriname’s Gold Fields Nicole Smith, Colorado School of Mines; Benjamin Teschner, Colorado School of Mines
Chair: Javiera Barandiaran, University of California, Santa Barbara
Discussant: Benjamin Sovacool, Aarhus University

028. The Reflexive Turn in Art and Science Studies: Art and Science II: Curation and Performativity as Engagement
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 12
Participants:
Employing Design/Art-Based Modeling Practices to Investigate Human-Animal Relationships Todd Nicewonger, University of Gothenburg
Metaphone: Exploring control in interactive art settings Vygandas Vegas Simbelis, PhD student at Royal Institute of Technology, Stockholm, Sweden
Staging STS: Performativity as a Method for Engaging Scientific Practice Yelena Gluzman, UCSD
A Year Without A Winter Dehlia Hannah, Columbia University
The Sound of Bent Circuits: STS and Practitioner Imaginaries of Instruments and Technologies Trevor Pinch, Cornell University

029. Societies, States, and Biomedicine
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 14
Participants:
De-Provincializing Eugenics: Race Hygiene in Japan after Its Decline in the West Kristin Roebuck, through May: Columbia University, Program in East Asian History; as of July: Cornell University, Department of History
Loop in and out: Three pathways for obesity to become a disease Hiroshi Yamanaka, Osaka University; Takeshi Furukawa, Osaka University
Organizing immunity: Vaccination against HPV in Austria and the Netherlands Iris Wallenburg, Erasmus University Rotterdam; Katharina T. Paul, Erasmus University

030. Smart Electricity Grids and Participative Governance, or Who is the Grid For?
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 16
Participants:
Abduction & Enclosure: Utility Maneuvers in India’s Electricity Sector Vishnu Mohan Rao, Citizen Consumer and Civic Action Group (CAG), Chennai, India; Murali Venkatesh, Syracuse University Syracuse, New York 13244 USA; Francis Samuel Raj Yesurathinam, Syracuse University, Syracuse, New York 13244
From In Control to Accomodating Host: The Parasitic Smart Grid Heather Rosenfeld, University of Wisconsin - Madison
Influencing by "going in": How expert citizens shape electricity governance Francis Samuel Raj Yesurathinam, Syracuse University, Syracuse, New York 13244; Vishnu Mohan Rao, Citizen Consumer and Civic Action Group (CAG), Chennai, India; Ehsan Sabaghian, Syracuse University, Syracuse, New York 13244; Murali Venkatesh, Syracuse University Syracuse, New York 13244 USA
Modes of governance: a systematic approach to complex energy transitions Govert Valkenburg, Maastricht University
Who’s Afraid of Standards? Exploring EU and US Smart Grid standardization discourse Sachiko Muto, Delft University of Technology
Chair: Ehsan Sabaghian, Syracuse University, Syracuse, New York 13244

031. Expertise and Democracy: The role of Values in Science and Public Policy
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 17
Participants:
Conflicting sociotechnical imaginaries: the tension between neoliberalism and state intervention in public, expert and policy discourses. Melanie Smallman, University College London
Contested Issues Game Structuring approach (CIGAS): a value based intervention combining quantitative and qualitative methods Bee L.M. Kothuis, Technological University of Delft; Jill H. Slinger, Delft University of Technology; Scott W. Cunningham, Delft University of Technology
Like pouring the money down the drain? – Expert knowledge and citizen attitudes towards environmental projects Dick Magnusson, Linköping University
Missing Links among Policy, Expertise and Values: Case of High-level Radioactive Waste Policy in Japan Kohta Juraku, Tokyo Denki University
The Elected Official's Dialectic: Some Ground between Evidence and Policy Patrick Gordon Watson, University of Waterloo
032. Materialities of the Digital: Infrastructure
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor’s Square 9
Participants:
Corn, Coal, Clouds Jocelyn Renee Monahan, University of Pittsburgh
From the virtual to the material: The infrastructure of our digital dreams Mike Zajko, University of Alberta
The Bot Multiple: Unpacking the Materialities of Automated Software Agents R. Stuart Geiger, UC-Berkeley School of Information
Reading Materialities Jane Gruning, The University of Texas at Austin
Rematerializing Collapse Gabriel Resch, Faculty of Information, University of Toronto

033. Examining the Exceptional: Case Studies of Knowledge Production in Biomedicine and Science
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom D
Participants:
From Exceptional Man to Exceptional Subject: Indigenous Genes and Theorizing Human Microevolution in Brazil Rosanna Dent, University of Pennsylvania
The Exception in Crisis: The Politics of Medical Emergency Eric Reinhart, Harvard University
Exceptional Citizenship, Exceptional Bodies: The Scientific Strategies of Citizens with Sickle Cell Disease in Brazil Melissa Shawn Creary, Emory University
Weighing the Future: Clinical Decisions and Pregnancy Natali Valdez, University of California Irvine
Fighting for Ordinary: Foreign Medical Graduates and the Need to be Exceptional Eram Alam, University of Pennsylvania

034. Postphenomenological Research 2: Normative Perspectives
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom E
Participants:
The Philosophy of Trash Cans: On Technologies in Public Space Robert Rosenberger, Georgia Institute of Technology
The Multistable Bike Lane: A Case of Technology Designed to be Appropriated(d) Caroline Atkinson, Georgia Institute of Technology
Postphenomenology and Efficiency Yomi Van Den Eede, Free University of Brussels (VUB)
Towards techno-moral scenarios: Targeted drug delivery as a mediation tool for cancer experience and management Olga Kudina, University of Maastricht; Sarah Weingartz, University Maastricht
Chair: Don Ihde, Stony Brook University
Discussant: Peter-Paul Verbeek, University of Twente

035. S&T policies: The evolution of agendas and of governance practices II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom F
Participants:
Fostering digitalization through science and technology policy Thorsten Posselt, Fraunhofer Center for Central and Eastern Europe MOEZ, University of Leipzig; Manuel Molina Vogelsang, Fraunhofer Center for Central and Eastern Europe MOEZ
Higher Education Funding Reform in Italy: Introducing the ‘standard cost for student’ Michele Meoli, CCSE – Cisalpino Institute for Comparative Studies in Europe, University of Bergamo; Mattia Cattaneo, CCSE – Cisalpino Institute for Comparative Studies in Europe, University of Bergamo; Davide Donina, CCSE – Cisalpino Institute for Comparative Studies in Europe, University of Bergamo; Stefano Paleari, CCSE – Cisalpino Institute for Comparative Studies in Europe, University of Bergamo
A role for the State in influencing the technological frontier?: Lessons from the Defense Advanced Research Projects Agency and the Semiconducor Research Corporation Erica Fuchs, Department of Engineering and Public Policy, Carnegie Mellon University
Winners and losers of state-level STI policy Walter Valdivia, Arizona State University
Technoscience and Discontinuation Peter Stegmaier, Department of Science, Technology, and Policy Studies
Chair: Noela Invernizzi, Federal University of Parana
Discussant: Manuel Heitor, Instituto Superior Técnico-Technical University of Lisbon

036. Diseases & Devices II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 2
Participants:
Risk and responsibility in medical device regulation Cordelia Erickson-Davis, Stanford University
Insulin Pumps and the Construction of New Technoscientific Identities Stephen Horrocks, Purdue University
The thinking person disease Helene Mialet, UC Davis
The Vulnerability of Cyborgs. Sensing and taming the unwanted agency of ICDs Nelly Oudshoorn, University Twente
Doing the Pluriverse: Comparing with Care Clinical Research On Prostate-Cancer Sonja Jerak-Zuiderent, Linköping University / Sweden
Chair: Sharra Vostral, Purdue University

037. Indigenous Knowledge Sovereignties and Scientific Research
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 3
Participants:
Knowledge Sovereignty, Science and Indigenous Resurgence Kyle Whyte, Michigan State University
Building a Sami Academy of Sciences: Science, Research, and Education for Decolonization May-Britt Ohman, Centre for Gender Research Uppsala University
Facilitating Indigenous Leadership in Research Jay T. Johnson,
038. Psychotechnics: Producing Psychotechnical Knowledge  
Chair: Beth Semel, Massachusetts Institute of Technology  
Discussant: Sharon Traweek, UCLA  
Participants:  
Towards on Anthropology of Theoretical Psychology Torben Elgaard Jensen, Aalborg University Copenhagen  
Extended Cognition and Technology Theory: A mind without boundaries jessie mann, virginia tech  
The “bona-fide pipeline”: Psychological truth, and the performativity of psychological tests in prejudice research Jeffery Yen, University of Guelph  
Anomalistic Psychology: normalizing the study of the paranormal Fernanda Loureiro Goulart, UNICAMP; Lea Velho, State University of Campinas, Brazil

039. The knowledge and ontological politics of climate change science and governance: combining STS with Political Ecology  
Chair: Joseph William Schneider, Drake University  
Participants:  
“How can experience of local residents be ‘knowledge’?”: Challenges in interdisciplinary climate change research Emily Yeh, CU-Boulder  
From conservation to markets: The hidden power of carbon accounting Lauren Gifford, CU-Boulder  
The Co-Construction of Dust: Governance and instrument Katherine Clifford, CU-Boulder  
An ontological politics of climate: Exploring multiple topologies of drought in agro-pastoral regions of Northern Tanzania Mara Jill Goldman, University of Colorado-Boulder; Meaghan Daly, CU-Boulder; Eric Lovell, CU-Boulder  
The Canadian High Arctic Research Station: A study of the governance of complexity Mark Vardy, Queen’s University

040. Ethnography, Design, and Material Practices  
Chair: Lisa Dilling, University of Colorado-Boulder  
Participants:  
Studying Technoscience through Design Daniela K Rosner, UC Berkeley  
Technological Materiality of Tech Boom Resistance: The Work of the Anti-Eviction Mapping Project Erin McElroy, UC Santa Cruz

041. Rethinking the Foundations of STS  
Chair: Laura Forlano, Illinois Institute of Technology  
Participants:  
Critique Without Foundation: Nietzsche and the Social Studies of Knowledge Christine Anna Payne, University of California San Diego  
Doing Knowledge: Synthesizing Realism and Relativism to Explain Cultural Differences in Knowledge Chantelle Marlor, University of the Fraser Valley  
Social Studies of Scientific Knowledge versus Realist Accounts of Truth Jerry Doppelt, UCSD  
Theoretical Program of SSK and its Guiding Assumptions: the case of one reconstruction Andrey Kozhanov, Higher School of Economics, Moscow  
Whitehead’s Constructivism: An Aesthetic Causality Joseph William Schneider, Drake University

042. Disciplinary and Interdisciplinary Dynamics  
Chair: Joseph William Schneider, Drake University  
Participants:  
Agency in belief revision Yuko Murakami, Tohoku University  
Johnny Acidseed: Timothy Leary and the Decline of Psychedelic Science Danielle Giffort, University of Illinois at Chicago  
Knowledge Formations: the Reasons for Disciplines and Their Limitations Stephen Turner, University of South Florida  
One field, two communities? Comparing cognitive patterns of an interdisciplinary research field in Europe and the US. Anna Katharina Kosmuetzky, INCHER Kassel  
Quantum Myth-Histories: Agents of Demarcation Jose Perillan, Vassar College

043. Making and Doing Presentations  
Making and Doing Session  
Chair: Sam Smiley, AstroDime Transit Authority  
Participants:  
"Zines as Method: Examples from the Field" Sam Smiley, AstroDime Transit Authority  
"Embedded STS" Participation in the International Computer Engineering Experience Program at Cal Poly Jane L Lehr, California Polytechnic State University; Zoe Wood, California Polytechnic State University  
Art in STS as integrator of cognitive and emotional competencies. Alejandra Carolina Morales-Nasser, Monterey Institute of Technology  
Blackbox Vending Machine - For one dollar, you buy 10 minutes of moral reflection Dan Southwick, University of
Unregulated: Illustrating the Hazards of Shale Gas Extraction through Citizen Science Sara Wylie, Northeastern University

Vehicular Narratives: An Exploration of Jensen’s Situational Mobilities and Negotiation in Motion Through Participatory Dance Steve Hamilton, School of Visual Arts Products of Design

Waiting in the Silence: Writing SF for STS Rosalyn W Berne, University of Virginia

Which Nuclear Future? Paul Frederick Brown, UNSW

Feminist Technologies for Monitoring Marine Plastics Max Liboiron, Memorial University of Newfoundland

044. Engaging STS Editorial Board Meeting

Business Meeting
12:00 to 2:00 pm
Denver Hotel: TBA

045. Citizen science in context

Paper Session
2:00 to 3:30 pm
Denver Hotel: Director’s Row E

Participants:
From the citizens’ point of view: Small scale and locally anchored models of Citizen Science Lorna Heaton, Université de Montréal; Florence Millерand, Universite du Québec a Montreal; Patricia Dias da Silva, Université de Montreal

Citizen science and scientific citizenship: same words, different meanings? Alan Irwin, Copenhagen Business School

Negotiating the concept of data quality in citizen science: Ideals and practices Todd Suomela, University of Alberta

On the prowl for pollution: Environmental activists and citizen science in 1980’s Denmark Kristian Hvidtfelt Nielsen, Aarhus University

Can You Help Me Fold This? Proteins, Computer Architecture, and Citizen Science Shawn A Miller, University of California, Davis

046. Inside the Industrial-aesthetic Complex: Interrogating the Sciences of Subjectivity

Paper Session
2:00 to 3:30 pm
Denver Hotel: Director’s Row G

Participants:
Bodies that Smell: Olfaction, Terror, and the Making of Nebulous Bodies Jia-Hui Lee, Massachusetts Institute of Technology

Listening for the Line Between Subjectivity and Objectivity in “Personalized” Audio Joseph Klett, Yale University


Sciences of sensory experience: how practices and commitment are beyond objectivity and subjectivity Thomas Vangeebergen, FNRS-Université de Liège/CSI - Ecoles des Mines

Standard Sensations: Descriptive Analysis, the Food Industry, and “True” Experience Jacob Lahne, Drexel University

047. On the edge: ecologies of motley seams

Paper Session
2:00 to 3:30 pm
Denver Hotel: Director’s Row J

Participants:
Life (un)bounded: telling bacteria from rocks Filippo Bertoni, Aarhus University

Lively boundaries at the edge of the sea Natalie Forssman, University of California, San Diego

Boundary areas as governmentality sites: The anthropogenic ice edge Maiken Bjorkan, University of Tromsø; Ingrid Bay-Larsen, Nordlandsforsking

Crossing offshore/onshore boundaries: Capturing, transferring, and transforming knowledge (from operations of oil drilling to the design of new oil drilling rigs) Anna Rose Vagn Jensen, Technical University of Denmark

048. Accounting for the Environment

Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 11

Participants:
From conservation to markets: The hidden power of carbon accounting Lauren Gifford, CU-Boulder

Measuring the Unmeasurable: Unpacking the Politics of Sustainability Standards Patrick Feng, University of Calgary

Technopolitics in Translation: Science, Law, and the Contested Natures of Biodiversity Offsetting Colin T. Higgins, University of Wisconsin – Madison

Calculative Ambivalence: Climate Change and the Mapping and Pricing of Flood Risk in New York City Rebecca Elliott, University of California, Berkeley

049. The Reflexive Turn in Art and Science Studies: Art and Science III: Institutions, Networks, and Exchanges

Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 12

Participants:
Arttextum: the cultural landscape in the Latin American artistic context Wendy Cano, University of the Basque Country (UPV/EHU); Frida Cano, Subdirección General de Promoción de las Bellas Artes del Ministerio de Educación, Cultura y Deporte, Spain

Energy Commons – studies in (sm)art infrastructures Lea Schick, IT University

Land-Grant Hybrids: Transdisciplinarity, Identity, and Mission-Based Arts Research Kari Zacharias, Virginia Tech

Collisions of Art and Science @ CERN Claire Webb, Massachusetts Institute of Technology

Reflections of the Artist-Scientist design collaborative and the expected role of the Public Brenda Trinidad, Arizona State University

050. Flexible Standards: Biomedical Standards in Practice

Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 14

Participants:
The Politics of Power: How the Legal System Assesses the Legitimacy of Standards Fiona McDonald, Australian Centre for Health Law Research, Queensland University of Technology

Sick Cows, Standards, & Status: 19th-century Standardization of Tuberculin Testing & the Professionalization of Veterinarians Jane Jenkins, St. Thomas University

Standards of Biomedical Preparedness: Performativity, Ebola Management, and Questions of Health Sovereignty in Sierra Leone Susan Erikson, Simon Fraser University, Faculty of Health Sciences

Thursday, November 12
Globalization vs. Global Standards: the deregulation of medicines and vaccines. Janice E. Graham, Dalhousie University

Proteomics as an emerging technology and field of science: Or ‘Technology to the left of me, science to the right, stuck in the middle with Standards’. Christina Holmes, Dalhousie University

Chair: Christina Holmes, Dalhousie University

Discussant: Loes Knaapen, University of Ottawa

051. Power Lines I: Energy, Neoliberalism, and Ethnography
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 16

Participants:
- Calculating power: the regulatory regime behind Norway’s electricity grid costs. Henrik Karlsstrøm, Norwegian University of Science and Technology
- Gold Plated Electricity: From public good to market failure. Graham Lucas, University of Newcastle Australia
- Neoliberalization of the welfarist argument in Finnish nuclear new build decisions. Maarit Laitohen, Aalto University School of Business
- The Neoliberal Grid: Electricity in the United States. Canay Ozden-Schilling, MIT
- The Neoliberal Battery of Southeast Asia: How Neoliberal Development Regimes Shape Emerging Energy Systems. Wynne Hedlesky, Rensselaer Polytechnic Institute (RPI)
- Powering the Personal Computer in the Age of Distributed Innovation. Matthew Nicholas Eisler, University of Virginia

Chair: Anto Mohsin, Northwestern University in Qatar

052. Revisiting Geographies of Science: Theorizing Science through Space, Place, & Scale
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 17

Participants:
- Science and the Politics of Place: Making a “Natural Laboratory” in the Galápagos Islands. Elizabeth Hennessy, University of Wisconsin-Madison
- Experimentalism everywhere: the geography of proletarian science. Jake Lienes, University of Wisconsin-Madison
- Linnaeus’ gaze: The importance of place in globalized science. Tom Giryn, Indiana University
- Scale and the geography of market-based environmental science and management. Rebecca Lave, Indiana University

Discussant: Christopher Henke, Colgate University

053. Materialities of the Digital: Play
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 9

Participants:
- Becoming digital. Materiality as relational. Alexandre Canus, University of Lausanne, Switzerland
- Pixels to Print: Imagining an Internet Made of Paper. Rachel Plotnick, University of North Carolina at Charlotte
- Synesthetic Catachresis: Interpreting Digital Materiality. Ashley Scarlett, University of Toronto

Scarlett, University of Toronto

The materiality of algorithms: Personal security, gendered aesthetics and intelligent personal assistant softwares. Thao Phan, University of Melbourne

054. Biomedicine and Difference
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom D

Participants:
- Prospecting Pure Life: Sampling Practices in Human Microbiome Research. Sophia Anne Strosberg, University of Minnesota
- Race, Stroke, and the Limits of “Culturally Appropriate” Risk Reduction. Beza Merid, NYU
- Skin Color, “Race” and Technology: Re-articulating a Murky Narrative. Joel Scott Beatty, Michigan Technological University
- The Politics of Percentage: Aboriginal Blood and Taiwanese Origin and Identity. Yuyueh Tsai, Academia Sinica

055. Postphenomenological Research 3: Theoretical Perspectives
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom E

Participants:
- Multi Multi-stabilities. Gali Weller, Bar Ilan University
- On the multi-instabilities of assembled things. Johan Redström, Umeå University; Heather Wiltsie, Indiana University
- When is a method not a method?. David Stone, Northern Illinois University; Robert Scharff, University of New Hampshire
- Picturing the Technological Background. Stanley Kranz, University of South Florida

Chair: Peter-Paul Verbeek, University of Twente

Discussant: Yoni Van Den Eede, Free University of Brussels (VUB)

056. State and Industry in Science and Technology Policy
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom F

Participants:
- Experts Making Big Science and the Role of Government. Seungmi Chung, Virginia Tech
- Public research, innovation and R&D performance. Seungmi Chung, Virginia Tech
- Science funding restrictions and corporate R&D in cell therapy. Hsini Huang, Georgia Institute of Technology; Simcha Jong, University College London
- Re-imagining Research Indicators. Sjoerd Hardeman, European Commission; Angela Guimardes Pereira, European Commission - Joint Research Centre
- The First Science Institute in Chinese universities. Science Institute of Peking University Tingjie LL, Institute of Science, Technology and Society, Tsinghua University; Jian Yang, Tsinghua University
- The evolution of Chinese science and technology platform policy. Suyang Yue, Tsinghua University
- S&T Policy and Innovative Dynamic in Brazil: an Evaluation of
057. Optimization: Logics, Objects, and Epistemologies

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 2

Participants:
- Genetic Heritage into Genomic Future: Optimizing Medicine, ‘De-convoluting’ America Anna Jablone, University of Chicago
- Optimising the 21st Century smart home: in pursuit of perfected living Yolande Strengers, RMIT University; Larissa Nicholls, RMIT University, Melbourne, Australia
- Optimizing Food Ella Butler, The University of Chicago
- Optimizing Subjects of Biocapital: Integrating Health and Consumer Big Data Sonia Rab-Alam, University of California, San Francisco

Chair: Marisa Brandt, UCSD
Discussant: Tamara Kneese, New York University

058. STS in the global South I: The repressive power of science

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 3

Participants:
- The scientific restraints on political claims: Of ailing sheep and genetically modified cotton in India Aniket Aga, Yale University
- Genomics and the Andaman Islanders: Who were the Earliest Indians? Subhadeepta Ray, Tezpur University, Assam India
- Unreliable knowledge: Villager monitoring of waste technology in Guangzhou Amy Zhang, Yale University
- Relocating Power through Multiple Separations and Extractions: The Impact of Laboratory Science on the Intelligibility of Traditional Medicine Rachael Hill, Stanford University
- Harmony Development between Desert Steppe Culture and Natural Environment—a case study of desert steppe in Sunid Right Banner, Inner Mongolia Jirigala XXX, Tsinghua University

Chair: Ella Butler, The University of Chicago
Discussant: Sheila Jasanoff, Harvard University

059. Psychotechnics: The Politics of Psychotherapies and Sciences

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 4

Participants:
- Naturalizing the mind by psychological sciences: A coproductionist analysis Kevin Chien-Chang Wu, Department of Medical Education and Bioethics, National Taiwan University College of Medicine
- Accounting for, and in, the proliferation of psychological expertise in British mental health Martyn Pickersgill, University of Edinburgh
- Attenuating Disability Claims: Psychological Techniques, Ethical Norms and Parenting in Contemporary China Emily Lin, STS

Chair: Andrea Philipson, Queen's University, Kingston
Discussant: Marisa Brandt, UCSD

060. The Ethics of Expert Public Warnings about Environmental Risks

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 5

Participants:
- Frictions: Mexican Earthquake Early Alerting as a Site of Generational and Ethical Conflict Elizabeth Reddy, University of California, Irvine
- Sharing data, defining risk: emergent ethics in pan-european disaster interoperability Katrina Petersen, Lancaster University
- The Two Cultures of Climatology, 1961-1976 Gabriel David Henderson, Aarhus University
- “To Err on the Side of Caution:” Normative & Ethical Underpinnings of the Weather Warning Process Jennifer J Henderson, Virginia Tech

Chairs: Gabriel David Henderson, Aarhus University
Jennifer J Henderson, Virginia Tech

061. Gender and the Historical Transformation of Engineering

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 6

Participants:
- Engineering Success: Defining Success in a Traditionally Masculine Scientific Discipline Dilshani Sarathchandra, University of Idaho; Kristin Hallinner, University of Idaho; Nicole Lichtenberg, University of Idaho; Michelle Sing, University of Idaho
- Gender Perspectives on Engineering in the Rationalized Modernity: the Nazi-Technocrat Tanja M. Paulitz, RWTH Aachen University
- New Symbolic Relations Between Gender and Engineering in the Area of Renewable Energies? Bianac Prietl, RWTH Aachen University
- What happens in between science and technology? Kacey Beddoes, UMass Lowell

062. Marxist Science and Technology Studies

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 7

Participants:
- Clinical Labor and the German Research Subject Laura Schnieder, Johannes Gutenberg University Mainz
Commodification and labour direction in science: the case of massive sequencing technologies
Lev Jardón Barbolla, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM

Is the nanotechnology the base for the capitalist solution about the second contradiction of the capital? Reflection for debate.
Paulo Roberto Martins, RENANOSOMA

Western Marxism and STS
Andrew Feenberg, Simon Fraser University
On Schaffer, Marx, and the “Factory System” of Astronomical Observation
Goetz Hoeppe, University of Waterloo

063. Interdisciplinaries: ideas and practices
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 8
Participants:
Science and Technology Studies -- Discipline or interdisciplinary
Robin Williams, University of Edinburgh

Interdisciplinarity and the shaping of knowledge collectives
Vivian Anette Lagesen, Norwegian University of Science and Technology; Knut H Sørensen, Norwegian University of Science and Technology

Attempts to Innovate through Interdisciplinary Research in the University: (How) Do They Work?
Joan Fujimura, University of Wisconsin; Ramya Rajagopalan, Life Sciences Foundation

Additive Magic: Interdisciplinarity in Practice
Knut H Sørensen, Norwegian University of Science and Technology

Strategic Trans/multi/inter/disciplinary Gaps
Sharon Traweek, UCLA

Chair:
Knut H Sørensen, Norwegian University of Science and Technology

064. The Legitimacy of Public Engagement
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row E
Participants:
Producing Power: Studying energy policy engagements in New Brunswick, Canada
Kelly Bronson, St. Thomas University

The Normative Qualities of Citizen Science
Gwen Ottinger, Drexel University

The X-Rated Guide to Public Engagement
Darrin Durant, University of Melbourne

A better way of engaging? Invited participation and controversial technologies
Alexander Bogner, Austrian Academy of Sciences, Institute of Technology Assessment

A Marxist Critique of Feenberg’s Critical Theory of Technology
Charles Thorpe, University of California, San Diego

Chair:
Darrin Durant, University of Melbourne

Discussant:
Mark Brown, California State University, Sacramento

065. The Substance of Absence: How Missing Things Matter
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director’s Row G
Participants:
What the Absence of Data on Police Killings Reveals
Kelly Gates, University of California San Diego

Encounters with a Trash Island that Isn’t There (But Could Be)
Kim De Wolff, University of California, San Diego

Recreating the “Missing Archive” at the Center for PostNatural History
Derek Griesbach, University of Pittsburgh

“Gender-Responsive Research:” Bringing Research for Development from Absence to Presence
Wenda Bauchspies, Georgia Institute of Technology

Standards and the Work of Making Air Pollution Visible
Olga Kuchinskaia, University of Pittsburgh

Discussant:
Scott Frickel, Washington State University

066. Roasting (GM) Chestnuts: Disruptions in GMO Innovation, Governance, and Engagement
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director’s Row H
Participants:
Boasting Chestnuts: Genetically-Modified Trees, Responsible Innovation, and the Institute of Forest Bioscience
Jason A Delborne, North Carolina State University

Posting Chestnuts: Crowdfunding, Responsible Innovation, and Transgenic American Chestnuts
Katie Barnhill, North Carolina State University

The Wisdom of Crowds: Neoliberalism and the GM American Chestnut
Jessica Cavin Barnes, North Carolina State University

Turning Over a New Leaf: Tree Biotechnologists and Anticipatory Governance
Rebecca Harrison, Rensselaer Polytechnic Institute

067. Cryopolitics: Frozen Life in a Melting World
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director’s Row I
Participants:
Cryopolitics: An intensification of biopolitics
Emma Kowal, Deakin University

Cryopolitics and the Anthropocene
Joanna Radin, Yale University

The Rise of Cryopower: Biopolitics in the Age of Cryogenic Life
Alexander Friedrich, Technische Universität Darmstadt

Jonny Bunning, Yale University

The Freezer Program: Value After Life
Katie Barnhill, North Carolina State University

Cryopolitics, population making and the everyday routines of intensified data sourcing
Eben Kirksey, University of Illinois, Chicago

Species: Towards an Affirmative Cryopolitics
Eben Kirksey, NSF Postdoctoral Fellow

Chair:
Emma Kowal, Deakin University

Discussants:
Kim TallBear, University of Texas at Austin
Karen-Sue Taussig, University of Minnesota
Jenny Reardon, University of California, Santa Cruz
Warwick Anderson, University of Sydney
Participants:
"I am GIS": Geospatial Technologies, Risk, and Consuming Power Laura Imaoka, University of California, Irvine

Empowerment and Risk-Management-HPV Vaccination discourse in East Asia WEN-LING KUNG, State University of New York, at Albany

Public Distrust in Risk Communication of Wenzhou Bullet Train Incident XIAOWEI HUANG, Tsinghua University, P.R. China


The Prudent Cyclist: A study in mundane risk governance Aharon (rony) Blank-Gomel, McGill University

Chair: Nadav Even Chorev, Ben-Gurion University of the Negev, Israel, Department of Politics and Government

069. Environmental Destruction: Mitigation and Adaptation

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 11

Participants:
Can just war theory validate aggressive action to address the climate change crisis? Doug Hill, Independent scholar
On being, and becoming unlike, ‘an IPCC for biodiversity’ Jasper Montana, University of Cambridge
The Political Economy and Ecology of Climate Change Adaptation Benjamin Sovacool, Aarhus University
The Risk of Off-Site Mitigation in American Environmental Management Laura Jane Martin, Cornell University

070. Narrating Change: Using the Arts to Facilitate Community Engagement with Climate Change

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 12

Participants:
Climate Change, an Arts Festival, and Tumblr: Teaching Poetic Forms as Revolution Devon Branca, Morrisville State College
Beyond the “Field of Dreams” Approach: Using Theatre and Other Creative Arts to Cultivate a Participatory Audience for Discussions on Climate Change Wyatt Galusky, Morrisville State College
Changing the Landscape of Climate Change Events Tim Gerken, Morrisville State College
Arts in Collaboration: New Artistic Practices with a New Ecoaesthetic Desiree Foerster, Haus of World Cultures Berlin
Communicating Environmental Science through Art: History, Scope, and Applications Michael Chang, School of Marine & Environmental Affairs, University of Washington; Lekelia Jenkins, University of Washington; Susanna Priest, University of Washington

Discussant: Jody A Roberts, Chemical Heritage Foundation

071. Contested Spaces of Innovation: Reimagining Postcolonial Geographies

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 14

Participants:
Infrastructures and Imaginaries of Entrepreneurial Citizenship

Lilly Irani, UC San Diego
The Postcolonial Techno-Entrepreneur: The Time of Diaspora in Vietnam Lilly Nguyen, Department of Women’s and Gender Studies, UNC-Chapel Hill
Destabilizing the American Hacker Imaginary: An Account from the Southern Cone Morgan Ames, Stanford University
Come to my lab and you/me can change the world: Technocultural imaginaries and transnational trajectories of science Amit Prasad, University of Missouri-Columbia

Chair: Amit Prasad, University of Missouri-Columbia
Discussant: Anita Chan, University of Illinois

072. Power Lines II: Energy, Politics, and Visions for the Future

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 16

Participants:
Epistemic Politics of Energy Cultures. Science-Society Relations in Sustainable Energy Research in Germany Mirko Suhari, Zeppelin University
Policy without politics: dissecting current public programs about energy and society in Chile Sebastian Ureta, Departamento de Sociología, Universidad Alberto Hurtado, Santiago, Chile; Tomas Ariztia, Diego Portales University
Solar Assemblages in the Global South Jamie Cross, University of Edinburgh
The ASEAN Power Grid Anto Mohsin, Northwestern University in Qatar
Unrealized Futures: Geo-Politics of Thorium’s Nuclear Potentiality Zeynep Oguz, The Graduate Center, CUNY

Chair: Canay Ozden-Schilling, MIT

073. The Future Through an STS Lens

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 17

Participants:
Chinese STS: In Dialogue with North America and Europe Carl Mitcham, Colorado School of Mines
Reluctant Futures: A Study of Transhumanism in the Making Gabriel Dorthe, Harvard STS Program
The Performativity of STS Peter Danholt, Aarhus University
The concepts of future and technoscience Emilia Araújo, University of Minho
We have always been posthuman Roar Høstaker, Lillehammer University College, Norway

074. Globalizing Digital Culture

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 9

Participants:
Boundary Play in ICT4D, Understanding Priorities in ICT Adoption Pedro Ferreira, Mobile Life @ KTH
Digital Urbanism in Crises Monika Buscher, Centre for Mobilities Research, Lancaster University; Katrina Petersen, Lancaster University; Xaroula Kerasidou, Lancaster University; Michael Liegl, Johannes Gutenberg University Mainz
ICT4D and the Nation-Building Project in Mozambique Paula

Thursday, November 12
**075. Information Technologies and Tracking in Biomedicine**

**Paper Session**

4:00 to 5:30 pm  
Denver Hotel: Plaza Ballroom D

**Participants:**

How to improve the Understanding of Subjective Experience of People with Dementia through Videography Marie Woepking, Alice Salomon University of Applied Sciences; Anna Herzog, Alice Salomon University of Applied Sciences; Ingrid Kollak, Alice Salomon University of Applied Sciences Berlin

Let’s App Your Mental Health! Exploring the Impacts of ICTs on Addiction Treatment Jia-shin Chen, National Yang-Ming University

Seeing Inside: A Critical Study of Ultrasound Software Jennifer Denbow, California Polytechnic State University; Nick Lally, University of Wisconsin—Madison

The optimization of aging Sébastien Dalgalarrondo, CNRS/EHSS; Boris Hauray, National Institute for Health and Medical Research/IRIS

Undisclosed conjectures in medical research Sanna Rimpilainen, University of Gothenburg; Hans Rystedt, University of Gothenburg; Jonas Ivarsson, University of Gothenburg; Åse Johnsson, University of Gothenburg; Rauni Söderman, University of Gothenburg; Magnus Båth, Sahlgrenska University Hospital

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**076. Postphenomenological Research 4: Cultural Perspectives**

**Paper Session**

4:00 to 5:30 pm  
Denver Hotel: Plaza Ballroom E

**Participants:**

Movies and bodies: Variations of the embodied self in science-fiction techno fantasies Marie-Christine Nizzi, Harvard University

From camera obscura to fMRI: How brain-imaging technologies frame ‘free will’ debates Ciano Aydin, University of Twente

Revolutionary Technologies: Time and change in Alain Badiou and Felix O’Murchadha Roisin Lally, Gonzaga University

Technology and religion: a mediation approach to transcendence Peter-Paul Verbeek, University of Twente

**Chair:** Don Ihde, Stony Brook University

**Discussant:** Cathrine Hasse, Aarhus University

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**077. Science, Technology, Innovation Policy in the Laboratory**

**Paper Session**

4:00 to 5:30 pm  
Denver Hotel: Plaza Ballroom F

**Participants:**

Innovation Policy Simulation for the Smart Economy - the IPSE research programme Petra Ahrweiler, University College Dublin; Michel Schilperoord, University College Dublin

Exploring a neo-institutional approach to policy research - the politics of the emergence of a field of Science, Technology & Innovation in Ireland Camilla Noonan, University College Dublin; Seamus Kelly, University College Dublin

Ireland’s Technology Transfer Policy Rory O’Shea, University College Dublin; Ciara Fitzgerald, University College Cork

Additionality of Incubator support on networks of University Spin-Out firms Nola Hewitt-Dundas, Queen’s University Belfast

**Chair:** Karen Hebert, Yale University

**Discussant:** Brian Wynne, University of Lancaster
081. **The Affective Contours of Technology and National [In]security**

Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 5

Participants:
- Affect and the Coexistence of Multiple Epistemologies in Narratives of Globalization: **Anirban Halder**, University of Mainz
- The Friendly Drone: Showcasing Unmanned Systems in the Trade Show Environment: **Carrie Andersen**, University of Texas at Austin
- iCop: Tracing the role of affect in the debate over police body cums: **Jason Derby**, Georgia State University

082. **How do Gender, Networks and Career go together in SET?**

Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 6

Participants:
- Entrepreneurial Change, Research Funding in SET and Gendered Scientific Networks: **Felizitas Sablebiel**, University of Wuppertal
- How can knowledge exchange lead to changes of gender policies?: **Sandra Karner**, IFZ-Interuniversity Research Center for Technology, Work and Culture, Alpen-Adria University; **Anita Thaler**, Queer STS - IFZ Graz
- Networks in Past & Present Academic Careers in France: Lessons learned from the GenderTime Project: **Anne-Sophie Godfroy**, Science Norms Decision (university Paris Sorbonne & CNRS)
- Scientific careers in SET: perceptions of researchers on scientific networks from a gender perspective: **Andrea Wolffram**, Leibniz University of Hanover

083. **Why STS cannot handle Neoliberalism: Vertical Methods for an Increasingly Horizontal Scientific and Technological Future**

Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 7

Participants:
- Econoscience and everyday practices of research and innovation in synthetic biology: **Susan Molyneux-Hodgson**, University of Sheffield
- Producing Human and Intellectual Capital: Nanoengineering in the University: **Emily York**, University of California, San Diego
- Setting the market free to deliver data: neoliberalism and meteorology: **Samuel Randalls**, University College London
- Neoliberalism: The Heart of U.S. Civil Space Policy: **Linda Billings**, National Institute of Aerospace
- There are neoliberal crumbs in my Kale shake: **Erela Ben Shachar**, Bar Ilan University

084. **Disciplines and Interdisciplinarity: New Questions, New Approaches**

Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 8

Participants:
- Interrogating Interdisciplinary Collaboration in the Chemical Sciences: **Laurel Smith-Doerr**, University of Massachusetts; **Jennifer Croissant**, University of Arizona; **Iai Vardi**, Boston University; **Timothy Sacco**, University of Massachusetts-Amherst
- Interdisciplinary fantasy: Social scientists and humanities scholars working in faculties of medicine: **Mathieu Albert**, University of Toronto; **Elise Paradis**, University of Toronto; **Ayelet Kuper**, University of Toronto, Wilson Centre
- The Life Course of Knowledge Production: **Ryan Light**, University of Oregon; **jimi adams**, University of Colorado Denver
- Precursors of University Commitment to Interdisciplinary Research: **Sondra Barringer**, University of Georgia; **Erin Leahey**, University of Arizona

Chair: **Laurel Smith-Doerr**, University of Massachusetts

Discussants: **Daniel Kleinman**, University of Wisconsin; **Steve G. Hoffman**, University at Buffalo, SUNY
087. "Life" beyond The Politics of Life Itself: Biopolitics
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row E
Participants:
Binge eating disorder and the making of bio-political subjects
Melina Sherman, University of Southern California
A shift in biopolitics? Molecularization and predictive
technologies in personalized medicine Nadav Even Chorev,
Ben-Gurion University of the Negev, Israel, Department of
Politics and Government
Evolving trends in self-care: Susceptibility, Enhancement and
Transendence Kaylee Kruzan, University of Illinois-Chicago
Molecularized Disease: If not in the gene, then where? Anna
Starshinina, UC San Diego
“Life” as Ecosystem: Microbiota, Immune System and Asthma
Jennie Haw, University of Guelph
Chair:
Chikako Takeshita, University of California, Riverside

088. Standardization and Categorical Politics: Gender, Sexuality,
and Health
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row G
Participants:
To Standardize or not to Standardize: Competing Scientific
Approaches in the Conceptualization of Non-Exclusive
Heterosexualities Hector Carrillo, Northwestern University
HPV Vaccination Campaigns and Sex as Risk or Pleasure Lisa
Maria Linden, Department of Thematic Studies - Technology
and Social Change, Linköping University
Standardizing Sexual Health Steven Epstein, Northwestern
University
Generative Gender? Activism, Evidence, and Standardizing
from the Zero Point Teun Zuidenent-Jerak, Linköping
University; Sonja Jerak-Zuidenent, Erasmus University
The Standard of Resisting Standards: Informed Consent and
Trans Health in Argentina and Beyond Christoph
Hanssman, UCSD

089. Sociotechnical Mediations of War, Peace and (In)security I
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row H
Participants:
#Army #Me: Parrhesia, Code, and the Israeli Defense
Force John James Witte, University of Iowa Department of
Communication Studies
Cyberspace and the making of digital territory Norma Möllers,
Queen's University
Machinations of War: Treadmills, Weights and the
Militarization of Bodies Kelly Moore, Loyola University
Chicago
The Symmetrical Sociotechnical Mediations of Science and
Torture Jonathan Luke Austin, The Graduate Institute of
International and Development Studies, Geneva
Bravemind’s Charisma: The Problem of Making Cool Therapy
for Soldier 2.0 Marisa Brandt, UCSD

Chair:
Lucy Suchman, Lancaster University

090. digitalSTS I: Infrastructures at Work
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row I
Participants:
Infrastructural Competence and the Changing Nature of
Knowledge Work Ingrid Erickson, Rutgers University; Steve
Sawyer, Syracuse University
Collaboration Cultures, Global Knowledge Work, and Relating
through the Digital Anta Chan, University of Illinois
The Life and Death of Metadata Yanni Alexander Loukissas,
Georgia Tech
Social Movements and Digital Technology: A Research Agenda
Carla Ilen, University of Illinois at Chicago; Paul-Brian
McInerney, University of Illinois at Chicago
Social Construction of Materiality of Technology:
Sociotechnical Contexts and Speed of Technology in
Financial Market Crashes Bo Hee Min, University of
Wisconsin - Madison
Discussant:
Daniela K Rosner, UC Berkeley

091. Science, Technology, and Sport I
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row J
Participants:
The Numbers Game: Data Analytics and Visualization in Sports
Jennifer Sterling, Georgia Institute of Technology
How the Ball Bounces: The Production of True Bounce Carlin
Wing, NYU
Subjectivity in motion: Seeing subjects in fitting bike and body
Robin Rae, University of Vienna
Meeting Nature Halfway: Perception and Mediation of Risk in
Backcountry Skiing katja pettinen, Mount Royal University
Stadiums as Spectacles: Icons of Accumulation and
Sustainability Mary G. McDonald, Georgia Institute of
Technology
Chair:
Mary G. McDonald, Georgia Institute of Technology

092. In Search of “Lines of Flight” in / to / for / by Latin America
and Elsewhere, I
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 10
Participants:
Ancestral knowledge and the public policy in Ecuador Maria
Belen Albornoz, Latin American Faculty of Social Sciences
Ecuador
Expert And Local Knowledge In Dispute: Prometeo Viejos
Sabios Monica Bustamante, FLACSO- Ecuador; Javier
Andres Jimenez Becerra, Universidad de los Andes -
Colombia
The knowledge connection in the construction of TS in Bahia
Djane Santiago de Jesus, Instituto Federal de Educación
Ciencia e Tecnologia da Bahia; Carlos Alex de Cantuária
Cypriano, IFBA; CARLA RENATA SANTOS DOS SANTOS,
Universidade Federal da Bahia/ Instituto Federal de
Educação Ciência e Tecnologia da Bahia
The technological advances to the process of production of

Friday, November 13
093. Experiments in Teaching and Learning
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 11
Participants:
Distance Education as element for the Pedagogy of Alternation
Édila Marta Miranda Lobo, Instituto Federal do Pará
STS Curriculum and the Science and Technology Idealism of Freshmen and Sophomore STEM Majors Nicole Mogul,
University of Maryland, College Park; Matt Aruch,
University of Maryland, College Park; David Tomblin,
University of Maryland, College Park
Technologies to learn Technology studies: Digital toolbox, cultural capital and effective learning in University of Chile
Martin Andrés Pérez Comisso, Universidad de Chile
Institution and Ideology: A Contemporary History of Faculty Development and Technopedagogical Dissemination
Justin Donald Shanks, Montana State University
Who’s the “smart” kid in school these days? Social Reproduction in a Test-driven Educational System
Kouross Esmaeili, New York University - Dpt Media, Culture, Communications
Augmented Reality in Learning Environment Design
Timothy Fuger, Norwich University
Chair: Justin Donald Shanks, Montana State University

094. Redrawing of Boundaries and Knowledge Flows between Industry and Academia I
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 12
Participants:
Assisted Partnering in the 'Valley of Death' Signe Vikkelso,
Copenhagen Business School; Julie Sommerlund, University of Copenhagen, Faculty of Humanities
Innovation Science: Co-producing Truth and Value in Science-Industry Collaborations Joakim Juhl, Harvard University
Measuring collaborative projects of industry and academia - Concept and Results of an internal evaluation Christoph Biester, Wissenschaftszentrum Berlin für Sozialforschung gGmbH
Next Generation Scientists Sarah Maria Schönbauer,
University of Vienna
A typology and evolution of university technology transfer organizations in China Han Zhang, University of Chinese Academy of Sciences; Yizhuo Cai, School of Management, University of Tampere, Finland; Zhengfeng Li, Tsinghua University, China

095. STS as Political Theory?
Paper Session
8:30 to 10:00 am

Denver Hotel: Governor's Square 14
Participants:
Living (better) with social problems Endre Danyi, Dept. of Sociology, Goethe University, Frankfurt am Main
Managing exceptions in Danish elections: On disability as lateral critique of the polling booth and processes of authorization Christopher Gad, IT-University of Copenhagen; Steffen Dalsgaard, IT University of Copenhagen
Tasmanian forests, STS and engaging a new politics of nature(s) Michaela Spencer, Charles Darwin University
‘Analytic Dispositions’ and the Shared Affinities of Science & Technology Studies and Intersectionality Jenny Dyck Brian, Arizona State University
Discussant: Charles Thorpe, University of California, San Diego

096. Workshops I
8:30 to 10:00 am
Denver Hotel: Governor’s Square 15
096-1. Animals and Ethics
Workshop
Participants:
A Bird(er)’s-Eye View of Surveillance: Expanding Surveillance Studies’ Metaphor Vocabulary Rocco Bellanova, LSTS- Vrije Universiteit Brussel & CReSPo- Facultés universitaires Saint-Louis; Ann Rudinow Saetnan, NTNU
Changes in Biomedical Research Careers Driven by Animal Welfare Policies Ana Tereza Pinto Filipecki, Fiocruz; Silvio Valle, Fiocruz; Márcia da Oliveira Teixeira, Fiocruz; Norma Labarthe, Fiocruz
Co-Producing Pain: Regulators, Experimenters and the First Vivisection Act Shira Shmuely, MIT

096-2. Constructing the Lives of Scientists and Intellectuals
Workshop
Participants:
Cold War Social Science as a Vocation: Technicians, Fieldworkers, Observers Begum Adadet, Ithaca College
Heroic Scientific Biography Gabriel Finkelstein, University of Colorado Denver
Out From the Whale’s Belly – The Public Intellectual as Jonah Zachary M Loeb, NYU - MCC

096-3. The Digital Transformation of Scientific Practice
Workshop
Participants:
Are Tweets Scholarship? sava saheli singh, NYU
Providing Access to Digitized Archives Mylène Marie Tanferri Machado, Université de Lausanne / Universidade Federal da Bahia
Towards a sociomaterial perspective of newcomers to online knowledge production projects Gabriel Mugar, Syracuse University
Towards the Ethnography of Calculus Devices: The Performativity of “Groundtruths” in Computational Science Florian Jaton, Université de Lausanne

096-4. Global Biopolitics
Workshop
Participants:
Biopolitics of Ebola and Quarantine in the United States Melanie Armstrong, University of California, Berkeley
Malarial proximities, simple tools: performing global health
097. Social Studies of Politics: Assembling Governance I
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 16
Participants:
Counting and cutting – exploring bureaucratic counting practices at a Danish election Anne Kathrine Pihl Vadgaard, IT University of Copenhagen
Fraud Technologies/Democracy Machines in Three American States Malcolm Ashmore, Loughborough University; Olga Restrepo Forero, Universidad Nacional de Colombia
Reshuffling the State. Government IT systems building capabilities for denationalization Annalisa Pelizza, University of Twente, NL
“Deliberative mini-publics”. Technoscientific construction of democracy beyond the state Jan-Peter Voss, Technische Universität Berlin
Chairs:
Jan-Hendrik Passoth, Technische Universität München
Nicholas J Rowland, Pennsylvania State University

098. Informational ecosystems and ecosystem informatics: contesting secure futures
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 17
Participants:
"Bomb Trains", Security, and imagining future environments in the Columbia River Gorge Ashton Wesner, University of California, Berkeley
Road networks and waterscape decolonization: the hydropolitics of road building and road decommissioning in the Klamath Daniel Reid Sarna-Wojcicki, University of California, Berkeley
Engineering survival: salmon surveillance and contested science(s) in California's rivers Cleo Woelfle-Erskine, University of California, Berkeley
Quantifying the Future: Controversies over Algal Blooms after the FMRP in Korea SeaHyun Park, Seoul National University
The China Pollution Map: Databases, Software and Environmental Governance in the PRC Matteo Tarantino, University of Geneva; Christine Leuenberger, Cornell University; Valerie November, EPFL; Basile Zimmermann, University of Geneva

099. The Socio-Political Dynamics of Qualitative Inquiry in Techno-Scientific Knowledge Production
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 9
Participants:
"Doing well, doing good." Oral histories of industrial research Mark Jones, Life Sciences Foundation
A visual lingua franca as the quant/qual love child Katrine Lindvig, University of Copenhagen, Department of Science Education
Adaptive Grazing Management for Multiple Ecosystem Goods and Services: Can citizen science close the loop? Halley Wilmer, Department of Forest and Rangeland Stewardship Colorado State University; Maria E. Fernandez-Gimenez, Department of Forest and Rangeland Stewardship Colorado State University; Justin D. Dermer, USDA-ARS Rangeland Resources Research Unit; David D. Briske, Ecosystem Science & Management Texas A&M University; Kenneth W. Tate, Department of Plant Sciences UC Davis; Emily Kachergis, BLM National Operations Center; Leslie M. Roche, Department of Plant Sciences UC Davis; David J. Augustine, USDA-Agricultural Research Service, Rangeland Resources Research Unit; Lauren M. Porensky, USDA Agricultural Research Service, Rangeland Resources Research Unit
In Search of Joint Knowledge Production: Managing and developing an interdisciplinary research project. Astrid Pernille Jespersen, University of Copenhagen
The Opportunities and Challenges of Qualitative Research in Biomedical Institutions and the Contemporary Culture of Science Ashok Kumbamu, Mayo Clinic; Katherine Carroll, Mayo Clinic
Chair:
Ashok Kumbamu, Mayo Clinic

100. Fluid Drugs I: Marketing Efficacies (Expanding Markets, Marketing New Efficacies)
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Ballroom D
Participants:
Energy Drink Marketing and the Creative Cultures of Stimulant Use Marcel Salas, New York University
Nutritional cure-alls in motion Anita Hardon, Amsterdam Institute for Social Science Research - University of Amsterdam
The Race of Drugs: Tensions and Targets in the Ethnic Marketing of Pharmaceuticals Helena Hansen, NYU
Orphan blockbusters: of pharmaceutical business models and promise of personalized medicine. Anna Geltzer, Cornell University
The Selves of Technologies: Constructing Moral Subjectivities around Prescription Stimulants Tazin Karim Daniels, Michigan State University
Chair:
Kaushik Sunder Rajan, University of Chicago
Discussant:
Emilia Sanabria, Ecole normale supérieure de Lyon & INSERM

101. Food Ethics
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Ballroom E
Participants:
Brokering Rural Culinary Diversity and Urban Modernity: The Ethics of Producing 'National Cuisine' at Cambodian Soup-Pot Restaurants Hart Nadav Feuer, University of Kyoto
Hackers who look for microbes: transplanting agronomy, farmers’ networking, and self-help organic movement in Taiwan Yi-tze Lee, National Dong Hwa University

Friday, November 13
102. Postphenomenological Research 5: Health and medical technology

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Room F

Participants:
- Four Dimensions of Mediated Patiethood: Asle Kiran, Department of Philosophy, University of Twente
- Smoring Cancer: Don Ihde, Stony Brook University
- Philosophy of Technology and Postphenomenology as Pedagogy: Experiences from Emergency nursing education: Anette Forss, Karolinska Institutet
- Giving Voice: Material Mediations in Patient Care: Stacey Irwin, Millersville University

Chair: Don Ihde, Stony Brook University
Discussant: Peter-Paul Verbeek, University of Twente

103. Valuations I: Machineries

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 1

Participants:
- Devices of objectual valuation: detecting 'happening' relations between fields: Noorje S Marres, Goldsmiths, University of London
- How to Become a Judgment Device?: The Singularization of Food Critics: Sidonie Naulin, Sciences Po Grenoble
- What is a patient worth?: Registers of value in human gene therapy: Courtney Addison, University of Copenhagen
- The judgement devices of urban development projects in Paris: Rachel Mullen, Lab’Urba, Université Paris Est Marne La Vallée
- Assessing adaptive design drug trials: Claes-Fredrik Helgesson, Linköping University
- Lost in commensuration: decision uselessness of structuring information for comparability in search for the singular: Andreas Sundström, Stockholm University

Chair: Kristin Asdal, University of Oslo

104. Renewing Sustainability Thinking in light of the Anthropocene: Exploring the potentials of STS

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 2

Participants:
- Anthropocene technics: the biopolitics of geo-engineering sustainability: Eliot Whitfield Storer, Rice University
- Sustainability as a Discourse of Repair: Tensions of Social Order and Social Change: Christopher Henke, Colgate University
- The Anthropocene: Pretext for Business as Usual: Marcia S Davit, Virginia Tech STS Department
- Urban Gardening in the Anthropocene: Michael Granzow, University of Alberta
- Global biofuel assemblages in a national perspective: controversies over Brazilian ethanol fuel in the national media: Flávia Gouveia, DPCT, Universidade de Campinas (Unicamp) & GSPR, Ecole des Hautes Etudes en Sciences Sociales (EHESP); Markku Lehtonen, Ecole des Hautes Etudes en Sciences Sociales (EHESP) & University of Sussex

105. A Socio-technical Approach to the Origins and Evolution of STI Communities

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 3

Participants:
- A socio-technical approach to engineering: A magic formula for innovation: EunJeong Ma, Pohang University of Science and Technology
- EU’s Knowledge and Innovation Communities: Transferring Knowledge, Fostering Entrepreneurship and Creating Social Value?: Kyriaki Papageorgiou, ESADE/Ramon Llull University
- Engineers’ design practices: An international ethnographic pilot study: Rosario Durao, New Mexico Institute of Mining and Technology
- Governing Science, Technology and Innovation Order and Social Change
- The Institutional Evolution of Collaborative Practice and Strategic Value of Network Capital in Global Health R&D Communities: Matthew Doherty, Medicines for Malaria Venture - MMV; Dimitris Assimakopoulos, Grenoble Ecole de Management, LINC Lab
- Blue Sky Engagement – Citizens’ Visions as a Leitbild for Governing Science, Technology and Innovation: Niklas Gudowsky, Institute of Technology Assessment, Austrian Academy of Sciences; Mahshid Sotoudeh, Institute of Technology Assessment, Austrian Academy of Sciences
- Outline for a Pragmatic Event-Based Theory of Organization Culture: Natalie Aviles, University of California-San Diego

106. Stitching Together Creativity and Responsibility: Interpreting Frankenstein Across Disciplines

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 4

Participants:
- Reinterpreting Mary Shelley’s Frankenstein: The Centrality of Creativity and Responsibility: Joey Eschrich, Arizona State University
- Frankensteins, Brave New World, and Anticipatory Governance: Monstrous Motifs in the British Governance of Assisted Reproductive Technologies: Shannon Conley, James Madison University
- Frankenstein’s Metropolis: Agency and Control in the Smart/Cyborg City: Jathan Sadowski, Consortium for...
Science, Policy & Outcomes
Objective Clientele Michael Bennett, Northeastern University
School of Law

Chair: David Guston, Arizona State University

107. After Disaster: Situating Resilience in STS Scholarship
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 5
Participants:
An Action Research on Exploring Disaster Reduction Activities Embedded in the Daily Life Hideyuki Shiroshita, Kansai University
Bookmobiles and the socio-technical tactics of resilience Jessa Lingel, Microsoft Research
Living with disaster – resilience and disaster mitigation in time of uncertainty. Charlotte Julie Cabasse-Mazel, UC Berkeley
Power, Structures, and Infrastructures: Politics of Resilience in Singapore Sulfikar Amir, Nanyang Technological University (NTU)
Resilience: Totalitarian Control or Community Toolkit Scott Kellogg, RPI
Chair: Sulfikar Amir, Nanyang Technological University (NTU)

108. Cage fight: infrastructure studies vs. platform studies
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 6
Participants:
The Social Media Account as Interface: Platform, Infrastructure & Financial Value Greg Elmer, Ryerson University
On Platforms Deep and Broad Tarleton Lee Gillespie, Cornell University
Twitter Fabric: Weaving a mobile infrastructure Anne Helmond, University of Amsterdam
The Society of Tracking: Data Centres and Platform Methods Ned Rossiter, University of Western Sydney
Building a Network: Infrastructure or Platform? Warren Sack, University of California, Santa Cruz; Karl Mendonca, UCSC
Splintering data infrastructures in social science: the rise of platforms? jean-christophe plantin, university of michigan; Paul N. Edwards, University of Michigan; Christian Sandvig, University of Michigan

109. Moving Beyond the Case Study - Big Data and Text Mining in Social Studies of Science
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 7
Participants:
Meso-Data and Digitally Casing the International Climate Negotiations Ian Gray, Sciences Po; Jean-Philippe Cointet, INRA-SenS
Policy regimes, big data, and constitution of energy technology Arho Toikka, University of Helsinki
Altmetrics As Controversy Indicators Iara Vidal Pereira de Souza, Universidade Federal do Rio de Janeiro (Brazil)
Chancy Environments: An STS Mapping of Unexpected Results Zoe Nyssa, Harvard University
How Firm is Sociological Knowledge? Misha Teplitskiy, University of Chicago; James Allen Evans, University of Chicago

Chair: Melanie Smallman, University College London

110. Inclusive Design and Engineering
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 8
Participants:
(Re)designing Encounters with Disability in the Multisensory Environment Megan Danielle Neal, Department of Anthropology, University of California Irvine
Assistive Technologies: a study of its inclusion in the public agenda of Brazilian research Rafael Bueno, UNICAMP
Configuring the Differing User in Assistive Technology Development Peter Fuzesi, Lancaster University
Exclusive Access: investigating wheelchair users’ inclusion tactics in public transport Raquel Strini Velho, UCL
Institutional Cultures of Community Engagement in Engineering-for-Development Programs Shawhin Roudbari, University of Colorado Boulder

Chairs: Juan Lucena, Colorado School of Mines
Andrés Felipe Valderrama Pineda, Aalborg University

111. "Life" beyond The Politics of Life Itself: Ontologies
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row E
Participants:
Beyond Molecularization? Constructing Life in Experimental Epigenetics Martine Lappe, Columbia University
The Epigenetic Self: Within or Beyond the Nature/Culture Binary? Ruth Müller, TU Münchên
"Not one, but not two": Mother-progeny symbiosis Chikako Takeshita, University of California, Riverside
Inheritance and reproductive processes in the lens of mitochondrial replacement techniques Cathy Herbrand, De Montfort University
Dormant Bears, Latent Capital: Biovaluing the Tardigrade Whitney Robles, Harvard University
From regulator frameworks to scientific publications: Bio-crossing from embryonic stem cell to somatic cells. Nayantara Sheoran, Graduate Institute of International and Development Studies

Chair: Chikako Takeshita, University of California, Riverside

112. Technology, Politics, and Childbirth
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row G
Participants:
Commercial Actors, Interest Groups and the Public Funding of In Vitro Fertilization in Ontario, Canada Alana Catapan, Dalhousie University
Locating the Disabled (M)other-to-be: Exploring the medical literature Stephanie Joan Cork, The University of Maryland; Shannon Jette, The University of Maryland
Midwife Crisis: Man Midwifery and Medicalized Childbirth in America Sara C Kern, Penn State University
Structural causes for the persistence technologies: Adoption and persistence of electronic fetal monitoring in low risk births

Friday, November 13
113. Sociotechnical Mediations of War, Peace and (In)security II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row H
Participants:
- Nuclear tests, corporeal costs and the politics of in/visible bodies: Catherine Trundle, Victoria University of Wellington
- Treating War-generated Polytrauma: Speculative Capital, Fetality, and Technosalvationism: Jennifer Terry, UC Irvine
- Terran Terror: the Militarization of Forest Conservation in Northern Guatemala: Micha Rahder, Louisiana State University
- Documenting Mass Rape: The Emergence and Implications of Medical Evidence Collection Techniques in Armed Conflict: Jamie Morse, Northwestern University
- The Exclusionary Notion of Therapeutic Citizenship: Control of Cutaneous Leishmaniasis’ Treatment in the Colombian War: Lina Beatriz Pinto, York University

Chair: Lucy Suchman, Lancaster University

114. digitalSTS II: Social Movements and Political Interventions
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row J
Participants:
- The Energy Walk: Installation as Inventive Method Brit Ross Winthereik, IT University of Copenhagen
- Creative disruptions: misuser innovation and digital media: Guillaume Latzko-Toth, Université Laval; Johan Söderberg, LATTS/IFRIS ParisTech
- The Ambiguous Boundaries of Computer Source Code and Some of its Political Consequences: Stéphane Couture, McGill University
- Who owns what online? - Designing for conflict in local communities: Ammar Halabi, University of Fribourg; Basile Zimmermann, University of Geneva

Discussant: Daniela K Rosner, UC Berkeley

115. Science, Technology, and Sport II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row I
Participants:
- Reckoning science and sport studies: Sarah Barnes, Queen's University
- Interrogating the “Holy Grail:” The Cultural Politics of Concussion Science: Matt Ventresca, Queen's University
- Sugar, Spice and Everything Nice; “Sex Testing” in International Athletics: Roger Pielke, University of Colorado
- Feminist Deconstruction and the Resilience of Sex Testing in Sport: Cassandra J Wells, University of British Columbia
- The athlete under surveillance: the Athlete Biological Passport: Janeth Abbate, Virginia Tech

116. In Search of “Lines of Flight” in / to / for / by Latin America and Elsewhere, II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 10
Participants:
- Post-normal ethnography for a post-Eurocentric STS: Renzo Taddel, Federal University of São Paulo
- The impacts of the new form of knowledge production in the generation of innovation: the historical contribution to the technical changes, technology, innovation in economic development, the brazilian experience: Cassia Aparecida Corsatto, UFSCar - Universidade Federal de São Carlos; Wanda Aparecida Carvalho Hoffmann, Universidade Federal de São Carlos
- Medical genetics in Mexico. Circulation of knowledge and the development of cytogenetics: Ana Barahona, National University of Mexico
- Decolonizing Management from an Emerging Economy: Alex Faria, FGV - Fundacao Getulio Vargas

117. STEM Education within and against Neoliberalisms
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 11
Participants:
- Activist Dispositifs for/through STEM Education: John Lawrence Benze, OISE, University of Toronto; Chantal Pouliot, University of Laval, Quebec City, QC, Canada
- Material scripts of neoliberal education. The spatial shaping of science and technology education in the San Francisco Bay Area: Jeremias Herberg, Leuphana University Lüneburg
- Negotiating Ambivalence: The Next Generation Science Standards and the Neoliberal Order: Matthew Weinstein, University of Washington-Tacoma
- Neoliberal Racism and Classism: Latin@ High School Science Students Speak Their Truths to Power: Jean Aguilar-Valdez, Portland State University
- STEM Education as Discourse: Affordances, Limits, and Governance: Jesse Thomas Bazzul, University of Massachusetts Dartmouth; Beste Güçler, University of Massachusetts Dartmouth
- Power of Code: Marketing Computer Science as an Essential Skill: Janet Abbate, Virginia Tech

118. Redrawing of Boundaries and Knowledge Flows between Industry and Academia II
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 12
Participants:
- Experimenting with commercialisation. Institutional learning and memory work in a regional biotech cluster: Maximilian Fochler, University of Vienna
- Managing hybridization in higher education: Romulo Pinheiro, University of Agder, Norway; Hugo Horta, University of Hong Kong; David Charles, Lincoln University, UK
Misaligned co-production - a framework for exploring academic-industry relations Jane Bjorn Vedel, Copenhagen Business School; Alan Irwin, Copenhagen Business School
Science and Technology projects: The moments of convergence of academic and industrial research Luisa Veloso, ISCTE-IUL; Paula Rocha, ISCTE-IUL
The Establishment of the (Inter-)Discipline of Polymer Science at an Agriculturally-oriented University (1950-1994) Rafael Julian Burgos-Mirabal, University of Massachusetts-Amherst

119. Author-meets-critic: Lochlann Jain’s "Malignant: How Cancer Becomes Us"

Participants:

Denver Hotel: Governor’s Square 14
10:30 to 12:00 pm

Chair:
Lisa Cartwright, UCSD

Discussants:
S. Lochlann Jain, Stanford University
Helene Mialet, UC Davis
Michelle Murphy, University of Toronto
Stefan Helmreich, MIT
Donna M. Goldstein, University of Colorado Boulder

120. Workshops II

10:30 to 12:00 pm
Denver Hotel: Governor's Square 15

120-1. Scientific Practice Reconsidered I

Workshop
Participants:

Bodily Disciplines in 19th-century Astronomical Expeditions in England and India Kena Wani, Duke University
A Comparative Social Morphology of Scientific Judgment in Theoretical Physics Thomas Krendl Gilbert, University of California, Berkeley; Andrew Loveridge, University of Wisconsin-Madison
Model Genetic Reference: Standardizing Yeast from Industry to Laboratory Erika Langer, UCSF

120-2. The Politics of Diagnosis

Workshop
Participants:

Roots of resistance: ADHD and CNS stimulant therapy in Sweden Amelie Hoshor, University of Gothenburg
The future is now (and it’s neuromarked): predicting good care after DSM Beth Semel, Massachusetts Institute of Technology
Transvestic Fetishism in the DSM: Marginalization through Social Scientific Classification Matt L Drabek, ACT, Inc.

120-3. Gendering Computing

Workshop
Participants:

Gendered Enrollment in Computing Activities Feng Raoking, University of Virginia; Joanne Cohoon, University of Virginia
Sociotechnical Pedagogy: An Intervention to Inequality with Videogame Production Negin Dahya, University of Washington; Jen Jenson, York University

120-4. Images and Audiences

Workshop
Participants:

Being Audiences – ontology in television audience practices on the internet Emma Linnea Dahlbn, Stockholm University
Interstellar in South Korea Hyung Wook Park, Nanyang Technological University
Tecno-image and phonetic writing: the role of representation in Science Cristina Pontes Bonfiglioli, University of Sao Paulo

120-5. The Consequence of Genetic Information

Workshop
Participants:

Genetic Rational Myths: Toward an institutional perspective on risks in prenatal testing Lindsay Parkhan, University of California, Berkeley
Individual genes, populated understandings: participants’ interpretations of ‘Viking DNA’. Marc Scully, University of Leicester

121. Social Studies of Politics: Assembling Governance II

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 16

Participants:

The coproduction of content and social order in environmental governance Franke Van der Molen, University of Groningen; Jac. A.A. Swart, University of Groningen; Henny J. Van der Windt, University of Groningen; Menno P. Gerkema, University of Groningen
Mapping the perceptions on climate change public policies in Brazil Daniela de Oliveira Klebis, Unicamp
Post-Humanism and the Security State: Disciplinary Lessons for an Uncertain World Keith Gazik, University of Colorado, Denver
Shaping State through socio-technoscientific controversies. Case study: “war with gender” in Poland Andrzej Wojciech Nowak, Adam Mickiewicz University, Poznan
The Enviro-State as Organic Engine Patrick Carroll, University of California, Davis

Chairs:
Nicholas J Rowland, Pennsylvania State University
Jan-Hendrik Passoth, Technische Universität München

122. Participation, Deliberation, and Democracy I

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 17

Participants:

A Transdisciplinary Deliberative Model for Just Research on Vanishing Bees Sainath Suryanarayanan, University of Wisconsin-Madison; Daniel Kleinman, University of Wisconsin
Experiments with a data public Anders Koed Madsen, Aalborg University Copenhagen; Anders Kristian Munk, Section for Innovation and Sustainability, the Technical University of Denmark
How to account for personal testimony in evidence-based regulation. Public evaluation of new medicines. Loes Knaapen, University of Ottawa; Pascale Lehoux, Université de Montreal
Indigenous Peoples, Science Governance, and Public Deliberation: Barriers to Participation Amy K. Foss, UCSB
“Evidence for Democracy”: Scientist-Activists, Social Movements, and Non-Profits at the Experimental Lakes Area (Canada) Shoshana Deutsh, University of British Columbia

123. Through the Lens: Technological Mediation in...
Anthropological Encounters
Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 9
Participants:
- Visual Anthropology and the Transition from Film to Video
  Peter Sachs Collopy, University of Pennsylvania
- Paper Medicine Men: Technologies and Politics of Ethnographic Documentation in the Southwestern U.S.
  (1870-1900) Adam Fulton Johnson, University of Michigan
- Applying and Archiving Ethnographic Film for Urgent Anthropology
  Adrianna Link, The Johns Hopkins University
- Sovereign Anthropologies: The Americanist Tradition, Ethnography and Indian Law in the Interwar Period (1919-1939)
  Joshua Smith, The University of Western Ontario
- Vernacular Video Analysis
  Rene Tuma, TU Berlin

124. Fluid Drugs II: Instituting Knowledge & the Setting of Experimental Practices
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom D
Participants:
- Globalization through trials: regulatory pathways toward modernization and greater adoption of medicinal herbs
  Wen-Hua Kuo, National Yang-Ming University
- MDMA is not Ecstasy: Effecting structure in clinical trials
  Katherine Marie Hendy, UC Berkeley
- Exploring Place in South African Drug Discovery
  Anne Pollock, Georgia Tech
- The set(ting) of efficacy: making Ayahuasca into a drug
  Emilia Sanabria, Ecole normale supérieure de Lyon & INSERM
- Imagination and immunization: vaccines in Korea and Taiwan
  Tsung-wen Chen, Department of Sociology, National Chengchi University

Chair: Kaushik Sunder Rajan, University of Chicago
Discussant: Richard W Rottenburg, University of Halle

125. Greener, Kinder, Smarter: the Politics and Technoscience of Improving Food
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom E
Participants:
- Environmental Care and the Calibrated Fish: Making Quality and Mobilizing Stewardship through Alaska Salmon
  Karen Hebert, Yale University
- Producing Nature by Design: the Invention of Rondel for Laying Hens in the Netherlands
  Mara Miele, Cardiff University
- Controlled Environment Agriculture and the Problem of Nature
  Julie Guthman, UC Santa Cruz
- Big Food and Little Data: Contending with Supply Chain Sustainability
  Susanne Freidberg, Dartmouth College
- Capturing Behavior in Farm Animal Welfare Scientific Research
  Connie Johnston, University of Oregon

Discussant: Elizabeth Dunn, Indiana University

126. Steering Technology, Lessening Barriers and Embracing Partisanship: (Re)Constructivism and Pathways toward...

Alternative Modernities
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom F
Participants:
- From Autonomous Technology to Permissionless Innovation: Psychocultural Barriers to Better Governing Technology
  Taylor Dotson, Rensselaer Polytechnic Institute
- Advance of Knowledge in Communities of Practice and Networks
  Cesar Amaral Nunes, Oort Technologie; Maysa Brum Bueno, Unigran
- The Digital Coloniality of Power: Embodied spaces, technological zones, and cultures of cognition
  Alexander I. St ingl, STS Center, Drexel University
- Triple Helix actors and Innovation for Inclusive Development: mechanism for addressing global poverty, inequality and exclusion
  Chux Daniels, SPRU – Science Policy Research Unit, University of Sussex, UK and Centre for Science, Technology and Innovation Indicators (CeSTII), Human Sciences Research Council (HSRC), South Africa.
- Faster vs. Smarter -- Governance in A.I.
  Ren in K Garvey, RPI

Chairs: Taylor Dotson, Rensselaer Polytechnic Institute
Discussant: Edward Woodhouse, RPI

127. Valuations II: Fluid Materialities
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 1
Participants:
- Swimmability: Values and Measures in Ithaca's Cayuga Lake
  Ellen Abrams, Cornell University
- The Politics of Valuing Hazardous Materials, Recycling, & Global Trade: Constructing The Best of 2 Worlds in Bangalore
  Freyja Knapp, UC Berkeley
- Valuing oil for socialism
  Carlos Eduardo Morreo, School of Politics & International Relations, Research School of Social Sciences, The Australian National University
- Repertories of the Market: Market Exchanges as a Socio-Economic Device in the Valuation of Carbon Credits
  Jonghwa Kwon, Binghamton Univ. SUNY
- Performing natural capital
  Eric Nost, University of Wisconsin-Madison
- Re-timing the Atlantic cod: Biocapitalization and the little tools of valuation and timing in aquaculture
  Kristin Asdal, University of Oslo

Chair: Claes-Fredrik Helgesson, Linköping University

128. Knowledge and the Politics of Energy
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 2
Participants:
- A Policy Dilemma: Energy Efficiency Rebound Effects in Social Space
  Mohammad Halimi, Virginia Tech
- Evaluation of Energy Policy Instruments for the Adoption of Renewable Energy: Case of wind energy in the Pacific Northwest
  Rimal Abutaha, University of Sharja; Tugrul Daim, Portland State University
- Method of Modern Energy: Epistemologies of Energy and
Social Values  Abraham Tidwell, Arizona State University - 
Consortium for Science, Policy & Outcomes
The Politics of Market Incentives: Lessons from Renewable 
Energy Deployment in Germany, France, and Tunisia 
Beatrice Contie, CIRE; Alain Nedjar, CIRE-CNRS
Blending of Practices : Emerging Biofuel Complex in India 
RAHUL SHUKLA, INDIAN INSTITUTE OF TECHNOLOGY 
GUWAHATI, INDIA; Sambit Mallick, Indian Institute of 
Technology Guwahati

129. Craft and Material in Engineering Work 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 3 
Participants: 
Engineering revisited: synthetic biology, market design, and 
social studied of engineering Juan Pablo Pardo-Guerra, 
London School of Economics and Political Science; Pablo 
Schiesser, Stanford University 
Materiality and Mess in Self-Driving Car Research Goede Both, 
TU Braunschweig 
Return to Paper-Based Project Management and Software 
Engineering Techniques William W. McMillan, Concordia 
University 
The (Artifacts) of Life Richard Alexander Fadok, MIT - 
History, Anthropology, and Science, Technology, and 
Society 
Vocal Correction Technology and the Problem of Emotional 
Expression Owen Marshall, Cornell University Dept. of 
Science & Technology Studies

130. Before Representation: The Camera as Science and 
Technology 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 4 
Participants: 
Art and science playing on the margins. On the discovery of 
photography in the 19th century Brazil Roxana Horio 
Monteiro, Federal University of Goiás 
Nature and Time-making in Time-Lapse Photography Amy Cox 
Hall, Amherst College 
Realer than real: saturated images through hardware and code. 
Jacob Hellman, UCSD 
Temporality, the Camera, and an Orthography of Facial 
Expressions Monica Huerta, Duke University 
The Archaeology of Metadada: The Kodak Autographic 
Kristopher Fallon, University of California, Davis
Chair: 
Amy Cox Hall, Amherst College

131. Disaster Knowledge: Before and After Fukushima 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 5 
Participants: 
"Structural Disaster" through War and Peace: Secrecy before 
Fukushima Miwao Matsumoto, The University of Tokyo 
Decoupling the cognitive link between information usefulness 
and disclosure: A case study on SPEEDI Shin-etsu 
SUGAWARA, Central Research Institute of Electric Power 
Industry 
Gaps of media and public attentions on the 3.11 and nuclear 
issues Ryuma Shineha, Graduate University for Advanced 

Friday, November 13

132. Managing Invisibility: Knowledge and the Operation of 
Infrastructures 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 6 
Participants: 
An infrastructural analysis of the <i>Bolsa Familia</i> Program 
Luciana de Farias, University of Campinas; Rafael Dias, 
Campinas State University 
Housing’s sociotechnical infrastructures: shaping future 
electricity provision Ritsuko Ozaki, Imperial College 
London; Isabel Shaw, Imperial College London 
Meteorology becomes an Infrastructural Science: The US 
Weather Bureau, 1870-1917 Roger Turner, Dickinson 
College 
Symmetrical gerontology? The fate of aging infrastructures and 
the role of knowledge infrastructure in dealing with them 
Masato Fukushima, The University of Tokyo 
The (in)visible landscapes of large-scale infrastructures Valerie 
November, LATTS-Ecole des Ponts, CNRS, Paris

133. Bibliometrics and the Science of Science 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 7 
Participants: 
Do Peer Reviews Predict Impact?: Evidence from the American 
Sociological Review, 1977-1982 Misha Teplitsky, 
University of Chicago; Von Bakanic, College of Charleston 
Measuring Creativity in Scientific Collaborations using 
Sociometric Sensors John Nathaniel Parker, National Center 
for Ecological Analysis and Synthesis; Edward Hackett, 
Arizona State University 
Science linkages focused on star scientists in the life and 
medical sciences Naomi Fukuzawa, National Institute of 
Science and Technology Policy, Ministry of Education, 
Culture, Sports, Science and Technology; Takanori Ida, 
Graduate school of economics, Kyoto University 
The Citation Impact of German Sociology Journals and the 
Validity of Scientometric Evaluations Loet Leydesdorff, 
University of Amsterdam, Amsterdam School of 
Communication Research (ASCoR); Staša Milojević, School 
of Informatics and Computing, Indiana University, 
Bloomington 
Understanding knowledge production with bibliometric 
indicators of theses and dissertations Marcela de Fátima 
Nascimento de Macedo Torres, INPA / UFSCar; Leandro 
Innocentini Lopes Faria, UFSCar; Micherlanguela Barroso 
Rocha, INPA / UFSCar

134. Fear and the Public Understanding of Science 
Paper Session 
10:30 to 12:00 pm 
Denver Hotel: Plaza Court 8 
Participants: 
Should We Worry About Asteroid Impacts? Linda Billings, 
National Institute of Aerospace
AIDS Conspiracy Theories and the Politics of Scientific Knowledge Production  
Lindsay Branson, Yale University
Misinformation on the Internet?: Online Comments about Vaccine Safety  
Colin Doty, UCLA
Scary Science: Risk Perception of Nanotechnology on Twitter  
Ariel Hasell, University of California, Santa Barbara; Galen Stocking, University of California Santa Barbara
The Shore Line: building engagement through an online documentary on rising sea levels. Elizabeth Miller, Concordia University

Chair:  
Natalie Danielle Baker, Virginia Commonwealth University

135. 6S Career Development Panel
Panel Discussion
12:00 to 2:00 pm
Denver Hotel: Director's Row H

136. Workshop: Implicated in the Indicator Game
Paper Session
12:00 to 2:00 pm
Denver Hotel: Governor's Square 10
Discussants:
Roland Bal, Erasmus University Rotterdam
Joe Deville, Goldsmiths, University of London
Ulrike Felt, University of Vienna
Alan Irwin, Copenhagen Business School
Sonja Muller, Empirica
Teun Zuiderent-Jerak, Linköping University

137. Science, Technology and Human Values Editorial Board Meeting
Business Meeting
12:00 to 2:00 pm
Denver Hotel: TBA

138. Tethering Life: Origins of Value and Proprietary Struggles in Biological Economies
Paper Session
2:00 to 3:30 pm
Denver Hotel: Director's Row E
Participants:
Remapping Traveling Genomes: Grounded Claims and the Limits of Genetic Evidence  
Noah Tamarkin, Ohio State University
Genomic and Viral Sovereignty: Tethering the Materials of Global Biomedicine  
Amy Hinterberger, University of Oxford; Natalie Hannah Porter, University of Notre Dame
The net worth of Mexican “indigenous DNA”: genomics, bioeconomy and the sovereign making of ancestry  
Ernesto Schwartz Marin, Manchester University
Ethical Immortalization and the Half-Lives of Property  
Jennifer A. Hamilton, Hampshire College

Discussant:
Juno Salazar Parrenas, Ohio State University

139. Engaging with Matter in the Field of Assisted Reproductive Technologies
Paper Session
2:00 to 3:30 pm
Denver Hotel: Director's Row G
Participants:
In vitro reproductive cultures (India-France)  
Noémie Merleau-Ponty, Ecole des Hautes Etudes en Sciences Sociales
The Body in Action: Socio-material Engagements in In-Vitro Fertilization Hospitals in India  
Sandra Bärnreuther,

University of Zurich
When age matters: ARTs and the fertility decline in Switzerland  
Nolwenn Bühler, Department of social and cultural anthropology (ISEK), University of Zurich
Racism, humanism, hybridity: Materializations in assisted reproductive technologies  
Juliane Collard, University of British Columbia
Providing sperm and treatment. Engaging with an emerging ethics at the fertility clinic  
Stine Willum Adrian, Aalborg University

Chairs:  
Nolwenn Bühler, Department of social and cultural anthropology (ISEK), University of Zurich
Stine Willum Adrian, Aalborg University

140. Sociotechnical Mediations of War, Peace and (In)security III
Paper Session
2:00 to 3:30 pm
Denver Hotel: Director's Row H
Participants:
Umanning Reconnaissance: A Drone's Eye View of the Cold War Globe  
Katherine Chandler, Georgetown University
The sociotechnical reordering of war: The political and social construction of Predator MQ-1 drone and the legal limits of “extrajudicial killings”  
Alcides Eduardo dos Reis Peron, Campinas State University; Rafael Dias, Campinas State University
Factoring Control: A History of US Drone Operations  
Madeleine C Elish, Columbia University
Drone Tales  
Xaroula Kerasidou, Lancaster University; Monika Buscher, Centre for Mobilities Research, Lancaster University;
Michael Leigl, Lancaster University
War and Museum: Sociotechniques of Preserving Nature and Fighting War  
Yuki Maruyama, Hitotsubashi University

Chair:  
Lucy Suchman, Lancaster University

141. digitalSTS III: Theory and Practice: Expertise, Labor, Making
Paper Session
2:00 to 3:30 pm
Denver Hotel: Director's Row I
Participants:
Taking Seriously the Material-Semiotic: critical making as practice, as theory  
Matthew Ratto, University of Toronto
When New and Old Experts Collide: Computer Science, MOOCs and the Study of Learning  
Shreeharsh Kelkar, MIT
Sound Bites, Sentiments, and Accents: The Outsourcing of Affect in Digitally-Mediated Service Work  
Winifred Poster, Washington University, St. Louis
Making Theory: Materializing digitalSTS for Design  
Laura Forlano, Illinois Institute of Technology
Ethical praxis during design of a future Internet architecture  
Katie Shilton, University of Maryland, College Park

Friday, November 13

142. Technonationalisms
Paper Session
2:00 to 3:30 pm
Denver Hotel: Director's Row J
Participants:
An Alternative Mechanism for ‘Collective Invention’?: Case Study from the Japanese Sugar Industry (1868-1914)  
Hongyao Zhang, Tsinghua University; Chadwick Wang, Tsinghua University
143. In Search of “Lines of Flight” in / to / for / by Latin America and Elsewhere, III

Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor's Square 10

Participants:

A Brazilian introduction to STS Laboratories. Eduardo Nazareth Paiva, Universidade Federal do Rio de Janeiro; Ivan da Costa Marques, Universidade Federal do Rio de Janeiro

Applying Brazilian Public Resources in nanotechnology research: is there transparency? Wilson Engelmann, UNISINOS; Raquel von Hohendorff, Unisinos; Cristine Pinto Machado, Unisinos

Critical assessment of popularization of science in Brazil Danilo Rothberg, Unesp - Sao Paulo State University; Felipe Conrado Fiani Felipe de Sousa, Faculdade de Ciências - Universidade Estadual Paulista Júlio de Mesquita Filho – UNESP

Justice TV and the brazilian Federal Supreme Court Daniele Martins dos Santos, UFRJ - HCTE

Local and situated: cardiac implants and Brazilian scientific cinema Márcia Regina Barros da Silva, Universidade de São Paulo - USP

144. Whither the Classroom? Scrutinizing New Educational Technologies in Action I

Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor's Square 11

Participants:

Technology in the Classroom: Crisis and Opportunity Theresa Conefrey, Santa Clara University

Designing Better Schools Through Computer Assisted Instruction Andrew Gansky, The University of Texas at Austin, American Studies

To construct or dismantle the surveillant assemblage: Big Data and learning analytics in higher education Kyle Matthew Lauer Jones, UW-Madison School of Library and Information Studies, the iSchool

What’s the matter? (re)considering the materiality of virtual learning environments Natascha Chetena, UCLA

From Shape-Seeing to Shape-Making: Rendering Geometry for the Classroom Clare Kim, MIT

Sociotechnical analysis of computers introduction in public schools in Colombia Sara Maria Guzmán Ortiz, University of Grenoble; Juan Carlos Moreno, Pontificia Universidad Javeriana

145. Engaging the Publics

Paper Session
2:00 to 3:30 pm
147. Social Studies of Politics: Assembling Governance III
Workshop
Participants:
Expert authority and scientific warranting in U.S. Congressional hearings on climate science Mathis Hampel, King's College London
Research utilization as external expert review in the wine industry Erika Amethyst Szymanski, University of Otago
Science of the Dammed: Knowledge, Expertise and Conflict in New England Dam Removals Chris Sneddon, Dartmouth College; Francis Magilligan, Dartmouth College; Coleen Fox, Dartmouth College
The Role of Issue Advocate in GMO-Dispute for Chinese Scientists chong-jun liu, Center for Social Studies of Science, Peking University, Beijing, China; Wanheng Hu, Center for Social Studies of Science, Peking University

147-3. Interdisciplinary Connections
Workshop
Participants:
Experimental Philosophy and its Sociological Reconstructions: New Perspectives Francesco Giuseppe Sacco, Unical (Italy) Warburg Institute (UK)
Moving knowledge between disciplines: Does architecture care about social sciences’ spatial turn? Leandro Rodriguez-Medina, Universidad de las Americas Puebla / University of Cambridge; Alejandra Sosa García, Universidad de las Americas Puebla; Martha Victoria Peña-Cruz, Universidad de las Américas Puebla
Phycologist B.F Skinner as a Philosopher of Technology for STS Ching Hung, University of Twente

147-4. Technology and the Structures of Capitalism
Workshop
Participants:
Disintegrated Production Networks: Understanding Industrial Change Using STS Steven Sacco, Loyola University Chicago
The new landscape of Swedish mining - controversies and possible worlds Simon Haikola, University of Linköping

148. Social Studies of Politics: Assembling Governance III
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor's Square 16
Participants:
Which approach to the complexity relations of Science and International Affairs? Amanda Almeida Domíngues, University of São Paulo, Brazil
The Materiality of Power and the Physics of Change: Lessons from Henri Lefebvre, Nikos Poulantzas, and the Greek Crisis Peter Bratsis, City University of New York-BMCC
Herbert Hoover: Improving Living Standards through the Standardization of Living Lawrence Busch, Michigan State University
Assembling open government Juliane Jarke, University of Bremen
Reassembling Governance? Jan-Hendrik Passoth, Technische Universität München; Nicholas J Rowland, Pennsylvania State University

Chairs:
Nicholas J Rowland, Pennsylvania State University
Jan-Hendrik Passoth, Technische Universität München

149. Participation, Deliberation, and Democracy II
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor's Square 17
Participants:
Contributing to the technical phase: How experts and non-experts contribute to technical decisions Harry Collins, Cardiff University; Robert Evans, Cardiff University; Martin Weinel, Cardiff University
Cultivating flexible, transversal engagement in intersecting processes of social and scientific change Peter John Taylor, UMass Boston
Falling short: Institutionalizing spaces of experimental learning and public engagement with science, technology, art and design Kathryn D de Ridder-Vignone, James Madison University
Public Participation as a Democratizing Strategy, 1970 to the Present Karen Michele Hoffman, University of Puerto Rico
Straddling the Techno-Social Divide: Law, Expertise and Technocracy Nicolette M Priaulx, Cardiff Law School, Cardiff University; Martin Weinel, Cardiff School of Social Sciences, Cardiff University

150. Law and Society Meet STS I
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor's Square 9
Participants:
Arson, Fire Science, and the Law Graham Spinardi, University of Edinburgh
Economic Justice: From Economic Model to Legal Decision Aaron Panofsky, University of California, Los Angeles; Zachary Griffen, UCLA
Law and the Creation of Our Immunization Social Order Anna Kirkland, University of Michigan
The taxman cometh… and Swedes seemingly comply. Lotta Björklund Larsen, Linköping University
Psychiatry in Court: Developing a method for analyzing court cases Jaakko Taipale, University of Helsinki, Department of Social Research

Chair:
Anna Kirkland, University of Michigan

151. Fluid Drugs III: Pharmaceutical Practices Reconfiguring Embodied Experiences
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom D
Participants:
Doing the Detox: exploring the body and its surroundings through juice fasting in Amsterdam. Lisanne Claessens, University of Amsterdam
Rethinking psychiatric medication: MDMA and ecological views of the body swasti mishra, University of Amsterdam
The Many Faces of Truvada: Impure Blood, Cirp Temporality, and Advanced Subjects Po-Yao Huang, UC San Diego
The Biomedicalization of Studying Christine Stevenson, Arizona State University; Jenny Dyck Brian, Arizona State University
Pluripotent Stimulants in the Lives of Young Adults Anisha Chadha, New York University - Anthropology

Chair:
Kaushik Sunder Rajan, University of Chicago

Discussant:
152. Nutrition and Technology in Sub-Saharan Africa

*Helena Hansen*, NYU

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom E

**Participants:**

"What Is not Being Measured Is not Being Done": Biologification of Crops in Uganda
*Sandra Calkins, MPI for Social Anthropology & LOST*

Scaling-up benefits of biofortification: challenges and contradictions
*Roland Brouwer, CIP - International Potato Center*

Speculative Insurance: Risk and Value in Climate-Resilient Agriculture
*Aaron Eddens, University of MN*

Yoruba fermented food technologies: Shedding Light on African accuracy of implicit Knowledge
*Dafon Aimé SEGLA, Université d'Abomey-Calavi Benin Republic*

The Role of Public Health Nutrition in the Biofortification Project
*Shun-Nan Chiang, University of California, Santa Cruz*

Chair: *Roland Brouwer*, CIP - International Potato Center

153. Teaching Creativity Creatively for Rigorous Scholarship that Evades Rigor Mortis

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom F

**Participants:**

Teaching STS in Practice: A Cabinet of Industrial Food Curiosities
*Sara Wylie, Northeastern University*

Don’t know where you are going = Finding More: Social Science Pedagogy, Attention Training, and Improvisation Games
*Joseph Dumit, UC Davis*

Subreal Infrastructures & the End of Sociology
*Jackie Orr, Syracuse University*

Empathy Lab: Teaching Experimental Methods through Experimentation
*S. Lochlann Jain, Stanford University*

Enacting an inventive syllabus: why STS needs exhibitions
*Nina Wakeford, Goldsmiths, University of London*

154. Valuations III: Arriving at Good

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Court 1

**Participants:**

University admissions work as valuation
*Vikki Boliver, Durham University; Tiago Moreira, Durham University*

Accountability in practice: a study of evaluation research in Afghanistan
*Tjitske Holtrop, University of Amsterdam/Amsterdam Institute for Social Science Research*

Marking, branding and re-keying: the consumptive uses of visual rankings
*Neil Pollock, Durham University; Gian Marco Campagnolo, University of Edinburgh*

’Good bugs': scientific practices of valuing microorganisms in the Netherlands
*Justine Laurent, University of Amsterdam*

What is a good drug? Valuation practices in a drug regulatory agency
*Anne Kveim Lie, University of Oslo*

Vices and de-vicing: conflicts on value in biomedical research
*Francis Lee, Linköping University*

Chair: *Freija Knapp*, UC Berkeley

155. Politics of Sustainability Transitions I

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Court 2

**Participants:**

Creating Copenhagen’s Metro – on the role of protected spaces in arenas of development
*Andrés Felipe Valderrama Pineda, Aalborg University; Ulrik Jørgensen, Aalborg University*

Gender in the Energy Transition
*Jennie C. Stephens, Clark University; Jennie C. Stephens, University of Vermont*

Sustainability Transition in a Contentious Sociotechnical Field: The Case of Smart Metering in Washington State
*Francesco Frickel, Washington State University; Daniela Wuehr, University of Hohenheim; Christine Horne, Washington State University; Anurag Srivastava, Washington State University*

Theorizing the Social Value of Energy: the case of rural electrification projects with renewable sources
*Carlo Andres Altamirano, Consortium for Science, Policy & Outcomes*

Transition Dynamics in Academic Publishing: Insights from Sustainability Science
*Maurie Cohen, New Jersey Institute of Technology; Amy Forrester, Proquest*

Chair: *Ulrik Jørgensen*, Aalborg University

156. STS Meets Engineering: Are there pathways to mutual learning?

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Court 3

**Participants:**

Conducting the Instrumentalists: A STS Framework for Engineering Education
*Dean Nieusma, Rensselaer Polytechnic Institute*

Is STS an Advisory Panel or a Field? Considering the Possibility of Computational STS
*Donna Riley, Virginia Tech*

Critical Point: A Phase Change for Engineering and Liberal Education
*Michele Rapoport, Edmond J. Safra Center for Ethics at Harvard University*

STS Without Borders: Putting STS Concepts into Practice in Engineering-for-Development Projects
*Robert Horner, Argonne National Laboratory*

STS in the Fields: How Engineering and STS Meet in Sustainable Agriculture Research
*Benjamin Cohen, Lafayette College*

Chair: *Joseph Raymond Herkert*, Arizona State University

Discussant: *Emma Frow*, Arizona State University

157. Viewing films and the cultures of technoscience: What do we take away?

**Paper Session**
2:00 to 3:30 pm
Denver Hotel: Plaza Court 4

**Participants:**

Mortality as Constitutive of Intelligent Technologies: The Films ‘Smart House’ and ‘Click’
*Michele Rapoport, Edmond J. Safra Center for Ethics at Harvard University*

On the scientific value of detect films and science cartoons in China from 1940s to 1950s
*QIAN GUAN, Tsinghua University Institute Of Science, Technology And Society; Sile Hu, Tsinghua University Institute Of Science, Technology And Society*

Chair: *Joseph Raymond Herkert*, Arizona State University

Discussant: *Emma Frow*, Arizona State University
Space Tourism and Science Fiction, *Rosalyn W Berne*, University of Virginia

Technocultures of Bussing, *Govind Gopakumar*, Concordia University

A comparative study to investigate the technoscience images as shown in TV drama series-Taiwan as a case *Chun-Ju Huang*, National Chung Chung University; General Education center

Discussant: *Wesley Shrum*, Louisiana State University

158. Wherefore Disaster: Rethinking Charles Perrow’s Normal Accidents after 30 Years

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 5

Participants:
Civil Aviation as a Framework for Managing High Risk Technologies *Eric B Kennedy*, Consortium for Science, Policy & Outcomes

Axes of Technological Assessment *Michael Burnam-Fink*, Arizona State University

Value Differences in GMO Crops and Genomic Medicine *Heather M Ross*, Arizona State University

Nuclear Engagements: Perrow’s Normal Accidents in a Post-Fukushima World *Jennifer Richter*, Arizona State University

Chair: *Eric B Kennedy*, Consortium for Science, Policy & Outcomes

Discussant: *Andrew Maynard*, Arizona State University

159. Negotiating Media Use: resistance, avoidance and ambivalence

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 6

Participants:
Interpolating Extremes: media use and ambivalence in the domestic sphere *samira rajabi*, University of Colorado

Forces of Resistance and Accommodation in the Social Spaces of Media Audiences *Stewart Mark Hoover*, University of Colorado

Discernment and Intentionality in Media Consumption within the Home *Kristin M Peterson*, University of Colorado Boulder

The Function of Media Ambivalence in Creating Religious Experience *Susanne Marion Stadlbauer*, University of Wyoming

Mapping media ambivalence through delayed adoption of technology *Michele Rosenthal*, University of Haifa

Discussant: *Nabil Echchaibi*, University of Colorado Boulder

160. Open STS: Storing and Sharing STS Data

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 7

161. Joining Reference and Representation —Citizen Science as Resistance Practice

Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 8

Participants:
A Slacker Science: citizen science, political activism and digital authenticity *Antonia Walford*, UCL; *Donnacha Kirk*, UCL

A civic lens for citizen science. *Kevin Matthew Smith*, Tufts University

Charismatic Data in Citizen Science Environmental Monitoring *Max Liboiron*, Memorial University of Newfoundland

Citizen Mapping as Resistance Practice *Ned Pruzter*, University of Illinois at Urbana-Champaign

Vulnerable Places: The Limits of Participatory Cybercartography in the Bijoya Crowd Map Project *Sarah T. Hamid*, University of Oregon

Chair: *Dick Kasperowski*, University of Gothenburg

162. Reductionism and Complexity in the Contemporary Biosciences

Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row E

Participants:
‘The gene didn’t get the memo’: Realigning the normal and pathological in genetic medicine *Daniel Navon*, Harvard University

Complexity crisis!: The roles of complexity talk in the laboratory *Nicole Nelson*, McGill University

“Statistical complexity” in the era of biomedical big data *Nadine Levin*, UCLA

The Varieties of Exposure Experience: The Exposome in Theory and Practice *Sara Skostak*, Brandeis University

Reductionism and complexity in oncology: pathways, drivers, passengers, and checkpoints *Etienne Vignola-Gagné*, Fraunhofer ISI Karlsruhe / U. of Vienna; *Peter Keating*, University of Quebec, Montreal; *Alberto Cambrosio*, McGill University

The Mattering of Rights in the Globalization of Reproduction *Ayo Wahlberg*, University of Copenhagen

Ayoba Wahlberg, University of Copenhagen

Protecting, Imitating & Subverting Nature: metaphorical actions, words & objects in embryo & gamete laboratories. *Sandra P. Gonzalez-Santos*, Universidad Iberoamericana, Universidad Nacional Autonoma de Mexico,

The Non-regulation and Actual Trade of Surrogacy in Korea *Jung-Ok Ha*, Seoul National University

‘Lest they meet and marry’: Biostatistical standards and the prevention of endogamy in the Argentine fertility clinic *Lucia Ariza*, IIGG, University of Buenos Aires

The Mattering of Rights in the Globalization of Reproduction *Sonja van Wichelen van Wichelen*, University of Sydney, Department of Sociology and Social Policy

Chair: *Ayo Wahlberg*, University of Copenhagen

164. Sociotechnical Mediations of War, Peace and (In)security IV

Friday, November 13
165. Studying Digital “Don’t Wants”: STS-Based Concepts, Methods and Findings on Resistance to ICTs

Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row I

Participants:
- Bringing users and non-users into being across methods and disciplines Sally Wyatt, Maastricht University & KNAW
- Choosing Not to Use in Global Peripheries Jenna Burrell, University of California at Berkeley
- Pushing Back on ICTs via Humor: STS-Informed Analyses of ICT-Critiquing Cartoons and Memes Kirsten Foot, University of Washington; Ricardo Gomes, University of Washington
- Resisting the “alphabet soup”: how the QWERTY keyboard contributes to the digital divide in the slums of Brazil David Nemer, Indiana University

Chair: Kirsten Foot, University of Washington

166. The Social Orders of Standards: How Different Capitalisms Standardize Technological Use

Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row J

Participants:
- Witnessing productivity in early time-motion studies Melissa Gregg, Intel
- The phantom of the phone booth: Toward a material and cultural history of the telephone in Israel Sharon Ringel, University of Haifa; Rivka Ribak, University of Haifa
- Standards of Innovation Eitan Wilf, Hebrew University
- We wanted a labor force but human beings came instead Ilana Gershon, Indiana University

The technopolitics of shaping infrastructure, ethnotypic notes on a standards development organization Diego Vicentini, University of Campinas

Discussant: Martha Lampland, University of California, San Diego

167. In Search of “Lines of Flight” in / to / for / by Latin America and Elsewhere, IV

Paper Session

Friday, November 13

4:00 to 5:30 pm
Denver Hotel: Governor's Square 11

Participants:
- Scientific knowledge in Brazil and the (necessary)Decolonial attitudes Wilson Engelmann, UNISINOS; Raquel von Hohendorff, Unisinos; Cristine Pinto Machado, Unisinos
- Are the conflicts between Western knowledge and grassroots knowledge also defined in gender terms? Bruna Vascancellos, UNICAMP; Rafael Dias, Campinas State University
- Perceptions of Northern Science and the Brazilian Panel on Climate Change Tiago Ribeiro Duarte, University of Brasilia
- Mountains versus accelerators: The Brazil Japan Collaboration at Chacaltaya Mountain Heraclio Duarte Tavares, Programa de Historia das ciencias e das tecnicas e epistemologia (HCTE) - Universidade Federal do Rio de Janeiro (UFRJ); Antonio Augusto Videira, UERJ; Caxias Leite Vieira, Instituto Ciencia Hoje
- Software and IT services policy in Brazil: actors, interests and policy formulation process Daniela Pinheiro, State University of Campinas - UNICAMP; Milena Serafim, State University of Campinas - UNICAMP
- Psychologists becoming workers: Psychological practices, oral histories and psychologization in Bogota, Colombia Hernan Camilo Pulido-Martinez, Pontificia Universidad Javeriana

168. Whither the Classroom? Scrutinizing New Educational Technologies in Action II

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 10

Participants:
- Construction of learning through technology in EdTech incubator - The entrepreneurship mirror Hemy Ramlil, science, technology and society program, Bar Ilan University, Israel
- The Coded Schoolhouse Roderick Crooks, UCLA- Information Studies
- Enacting Students as Digital Experts: Reconfiguring Relations in Teaching Sofie Christensen Stenbag, IT University of Copenhagen
- How smart is the smart classroom? A South Korean experiment. Hanbyul Jeong, Graduate school of science and technology policy (STP), Korea Advanced Institute of Science and Technology (KAIST); Chihyung Jeon, KAIST
- Teaching Standards: LEGO Robotics meet Common Core State Standards Michael Lachney, Rensselaer Polytechnic Institute

169. From Patients to Illness Communities

Workshop
4:00 to 5:30 pm
Denver Hotel: Governor's Square 12

Participants:
- Autoimmunity and Biotechnology: Addressing the Gap in Medical Advancements Therese d'Auria Ryley, University of Florida Dept. of Anthropology
- Shots: Figuring Injections in Food Allergic Life Danya Glabau, Cornell University
- Statutory designation: figures of subjects at the intersection of genetics, medicine, identity Gay Mingret, Ecole des Mines de Nantes
- The intersection of science and illness experience in Huntington Disease. Michael Halpin, University of Wisconsin - Madison
170. Gwen Ottinger and Refining Expertise: Author Meets Critics
Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 14
Chair: Alison Kenner, Drexel University
Discussants:
Scott Frickel, Washington State University
Barbara Allen, Virginia Tech
Dean Niesusma, Rensselaer Polytechnic Institute
Jessica Smith, Colorado School of Mines
Gwen Ottinger, Drexel University

171. Politics by Other Means
Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 16
Participants:
Asymmetrical Publics: Proxy Governance in Prison Presses and Social Media Platforms Mike Ananny, University of Southern California
Algorithm$ = ?: The Cultural Politics of Algorithmic Processing John Cheney-Lippold, University of Michigan
Freedom from Jobs or Learning to Love to Labor? Diversity and the Place of Work in Volunteer Open Technology Projects Christina Dunbar-Hester, Rutgers University
Making Twitter Datasets and the “God Eye” of Social Media Research Megan Finn, Microsoft Research; Shawn Walker, University of Washington
Progressive Educational Reform as Neoliberalism By Other Means Christo Sims, University of California, San Diego

172. Participation, Deliberation, and Democracy III
Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 17
Participants:
E-government and the Public Sphere -Case studies from Australia and Korea- Hye-jung Kang, Independent Scholar
Evaluating Participatory Governance of Urban Planning: Focused on “Seoul Plan” Young Hee Lee, The Catholic University of Korea
Experimenter’s Regress Revisited: the Imitation Game and forms of ‘experimentation’ Nik Wehrens, Erasmus University
“It could just as easily be any one of us”: political activism in cycling Jane Summerton, Swedish National Road & Transport Research Institute

173. Law and Society Meet STS: II
Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 9
Participants:
Litigating Information Harms Julie Cohen, Georgetown University Law Center
The Case of the “Making Available Right”: The Treatment of Technology in Canadian Copyright Policy Michael Dick, University of Toronto
The Man/Machine in the Middle Meg Leta Jones, Georgetown University
What is Software? Copyright Law and the Many Natures of Computer Programs, 1974-1978 Gerardo Con Diaz, Yale University
Standard Law? The Development of Four Model Public Health Laws Arielle Woloshin Tolman, Northwestern University

174. Valuations IV: Publics
Paper Session
4:00 to 5:30 pm
Denver Hotel: Plaza Court 1
Participants:
“Unregulated opinions” or “(e)valuation culture”? The reviewing of restaurants by ordinary customers Kevin Mellet, Orange Labs - Sense & CSI (Ecole des Mines); Jean-Samuel Beuscart, Orange Labs - Sense; Marie Trespeuch, Orange Labs - Sense
Valuating the public with publicity media Andreas Birkbak, Aalborg University Copenhagen
Valuing research and care—how rankings affect organizational valuation practices Roland Bal, Erasmus University Rotterdam; Sarah de Rijke, Leiden University; Alex Rushforth, Centre for Science, Technology & Society, Leiden University; Iris Wallenburg, Erasmus University Rotterdam; Paul Wouters, Centre for Science and Technology Studies, Leiden University
Dragons’ Den style contests as market devices: Constructing entrepreneurial markets for e-commerce in Southern England Peter Erdélyi, London School of Economics and Political Science; Edgar A. Whitley, London School of Economics and Political Science
Making ‘news value’: Valuation practices in algorithmic journalism Taina Bucher, University of Copenhagen
Reality Disjunctures in Rating Schemes Malte Ziewitz, Cornell University

Chair: Francis Lee, Linköping University

175. Politics of Sustainability Transitions II
Paper Session
4:00 to 5:30 pm
Denver Hotel: Plaza Court 2
Participants:
Policies for Sustainable Transitions – challenges and lessons for policies at the regional, national and European level Ulrik Jorgensen, Aalborg University; Jens Stissing Jensen, Aalborg University Cph; André Felipe Valderrama Pineda, Aalborg University Copenhagen; Andrés Felipe Valderrama Pineda, Aalborg University
From ‘Regimes’ to ‘Democracies’ in Sociotechnical Transitions and Discontinuities Phil Johnstone, SPRU, Sussex University; Andrew Stirling, Sussex University
Politicai Polarization and the Renewable Energy Transition in the U.S. David John Hess, Vanderbilt University; Quan Mai, Vanderbilt University; Kate Pride Brown, Vanderbilt University
Making sense of emerging energy technologies in socio-technical transformations Victoria Wibcek, Linköping University; Björn-Ola Linnér, Department of Thematic Studies - Environmental Change, Linköping University; Mathias Fridahl, Department of Thematic Studies - Environmental Change, Linköping University
The grit in the oyster: care and friction in everyday energy practices Christopher Robert Groves, Social Sciences, Cardiff University; Nick Pidgeon, Cardiff University; Karen Henwood, Cardiff University
176. The Engineering Workplace in Global Perspective

**Chair:** Andrés Felipe Valderrama Pineda, Aalborg University

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 3

**Participants:**
- Complains and Compliments: The Construction of Supervisor-Students Relationship and Laboratory Life in China, Xiayu Lin, Tsinghua University; Chadwick Wang, Tsinghua University
- Engineering Overworking: Practice, Technologies and More Work in Engineering, Po-Jen Bono Shih, Virginia Tech
- Perception of risk among scientists working with nanomaterials, Mikael Johansson, Gothenburg Research Institute
- The Everyday Practice of Confucian Engineers: Situated Cultural Knowledge for Working Effectively with/in China, Qin Zhu, Purdue University; Brent K. Jesiek, Purdue University
- Finding the Gap - Engineering Ethics Teaching in the Classroom and Practices in the Modern Taiwanese Society, Wen-Ling Hong, National Kaohsiung Marine University; Jr-Ping Wang, National Kaohsiung Marine University

177. Media Session: Visual STS and the Environment

**Chair:** Rick B. Duque, Duquesne University

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 4

**Participants:**
- A Journey to Namie Sulfikar Amir, Nanyang Technological University (NTU); Ryuma Shineha, The Graduate University for Advanced Studies
- Hierba Mala o Mala Hierba? A plant anthropologist in Mexico City, Sam Smiley, AstroDime Transit Authority
- Landscape Essay Film: A Discursive Practice to Reveal the Invisible Meaning of Place and Site, Raven Gunn, NatureWorkshop
- Video: Encountering Unlocking Silent Histories, Rick B. Duque, Duquesne University; Donna DeGennaro, Unlocking Silent Histories

178. Slow Disasters and the Chronopolitics of Life, Governance, and Knowledge

**Chair:** Rick B. Duque, Duquesne University

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 5

**Participants:**
- Slow Tide: Waiting for the End in Sandy China, Jerry Chuang-Hwa Zee, University of California, Berkeley
- “Not a Place of Honor”: Inheriting Slow Disaster at WIPP & Hanford Pedro Eduardo de la Torre III, Rensselaer Polytechnic Institute
- Enduring Disasters: Tsunami and War in Sri Lanka, Vivian Y. Choi, University of Tennessee
- Contested Evidence: Environmental Justice, Indigenous Traditional Knowledge, and the Petrostate, Sarah E. Blacker, University of Alberta
- Assembling the Ageing Society, Tiago Moreira, Durham University

179. Constructing home-grown computer science in East Africa

**Chair:** Andrés Felipe Valderrama Pineda, Aalborg University

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 6

**Participants:**
- Is there an African computer science? Exploring capacities and identities in Kenya and Uganda, Matthew Harsh, Concordia University
- Needs Must: How Necessity Drives ICT Technical Knowledge Acquisition and Use in Resource-Scarce Contexts, Michel Wahome, University of Edinburgh
- “Keeping Big Brains Closer to Home”: Computer Science, Brain Circulation and the Emergence of Indigenous Innovation in Uganda, G. Pascal Zachary, Arizona State University
- “Data driven by development”: Computer science, quantification and modalities of governance in Uganda and Kenya, Kerry L. Holden, King's College London

180. The materiality of algorithms: Personal security, gendered aesthetics and intelligent personal assistant softwares

**Chair:** Rick B. Duque, Duquesne University

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 7

**Participants:**
- Anatomizing Things: Cadavers as Objects in Western Medicine, Julia Knopes, Case Western Reserve University
- Bodily capacity and food (in)security, Elizabeth Bullock, Graduate Center, CUNY
- Experimental Life and Death Worlds: A Visual Culture of Prison Research, Cristina Visperas, UCSD
- Standardizing Adiposity, Categorizing Bodies: Conceptualizations of Health in Obesity Research, Melanie Jeske, University of California, San Francisco
- “Mapping Uncertain Depths: Mediating Meridians in 20th Century China”, Lan Angela Li, MIT

181. The Body in Biomedical Knowledge

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Plaza Court 8

**Participants:**
- Anatomizing Things: Cadavers as Objects in Western Medicine, Julia Knopes, Case Western Reserve University
- Bodily capacity and food (in)security, Elizabeth Bullock, Graduate Center, CUNY
- Experimental Life and Death Worlds: A Visual Culture of Prison Research, Cristina Visperas, UCSD
- Standardizing Adiposity, Categorizing Bodies: Conceptualizations of Health in Obesity Research, Melanie Jeske, University of California, San Francisco
- “Mapping Uncertain Depths: Mediating Meridians in 20th Century China”, Lan Angela Li, MIT

182. 4S Prize Plenary

**Plenary Session**
6:00 to 7:30 pm
Denver Hotel: Plaza Ballroom A, B, C

183. 4S Banquet

**Banquet**
7:30 to 11:00 pm
Denver Hotel: Plaza Ballroom D, E, F
SATURDAY, NOVEMBER, 14

184. Methods beyond Humanity: Incorporating Multiple Bodies
In Transdisciplinary Feminist Inquiry
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row G
Participants:
Nervous interfaces: polio, immunology, and imperial affect
Neel Ahuja, University of North Carolina, Chapel Hill
The “Fuzzy Science” of Dog Play Weaver Harlan, Davidson College
Cannibal Family Farms, or How to Queer Agriculture Gabriel Rosenberg, Duke University
Interspecific Interdependencies: Orangutan Rehabilitation and Mutual but Unequal Vulnerability Juno Salazar Parrenas, Ohio State University
Oceanic W(h)a(i)ling Eva Hayward, Duke University

185. Exploring Self-tracking I: From Past to Present
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row H
Participants:
Knowing Thy Self when Quantified Self is a Man Jacqueline Wernimont, Scripps College
The Quantified Self: A STS History Kasey Coholan, York University
Self: quantified, visualised and represented(?!) Farzana Dudhwala, University of Oxford
Tactical Disembodiment in the Visioning of a New Self Meena Natarajan, UC Berkeley School of Information
Chair:
Gabija Didziokaite, Loughborough University

Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row I
Participants:
Visual Representation As Communication Tool in Aeronautics Engineering Ying-Yu Chen, HCDE, UW
Interpretive Flexibility and the Price of Documentation for Construction Visualizations and Documents Gha Neff, University of Washington; Carrie Sturts Dossick, University of Washington
Exploring Source Code Management System Adoption in Oceanographic Research Practice Andrew Neang, University of Washington
Producing Good Data: Calibration work on a robotic space mission Matthew J. Bietz, University of California Irvine
Moving Beyond Talking About Data Lifecycles Charlotte P. Lee, University of Washington

187. Calls and Responses I: Exploring the Agency of Scientists in Developing Countries as they Engage with Foreign Partners
Paper Session
8:30 to 10:00 am
Denver Hotel: Director's Row J
Participants:
Engagement and Negotiation: When Is It Not Collaborationism? Wesley Shrum, Louisiana State University; Paige Miller, University of Wisconsin, River Falls; Mark Schafer, Louisiana State University; Antony Palackal, Loyola College of Social Sciences; Paul Mbatia, University of Nairobi; Dan-Bright Dzorgbo, University of Ghana, Legon; Matthew Harsh, Concordia University
Maintaining Firm Technologies: Managing Logistics for Technologies that Don’t Travel Well Margaret Cora Jack, Cornell University Information Science
Struggle for Recognition: Chinese Scientists as Subaltern Cosmopolites? Joy Zhang, University of Kent
The Confucian Workplace as A Global Assemblage: Globalizing Chinese Engineers and the Chinese Nation Qin Zhu, Purdue University
Working in and out of Africa: Experiences of African medical and agricultural scientists Eren Zink, Uppsala University

188. Technogovernance: Knowledge, Institution, and Power
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 10
Participants:
Engineers at sea: techno-politics of desalination Niranjana Ramesh, University College London
From hazard to asset: Assembling stormwater as a resource Joshua Cousins, University of Michigan
Institutional Intersection and Reconfiguration of Environmental Sciences and Politics Li-Chung Cheng, Sociology, University of Chicago
The Rise of Technological Governance for the Environmental Protection and Management: U.S. EPA’s Research and Regulation for Air Quality Jongmin Lee, University of Virginia
Alibis of Technogovernance: Unmanned Aircraft Testing and its Aims Marcel LaFlamme, Rice University
Instituting Ecuadorian Biodiversity Peter Taber, University of Arizona

189. The Humble Box: Materiality in Science, Technology, and Medicine
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor's Square 11
Participants:
Both Sides of the Stethoscope: Provider-Patient Interaction and Meaning in the Age of eHealth Brittany Chozinski, Northeast Lakeview College; Joseph Chozinski, Brooke Army Medical Center; Brandon Goff, San Antonio Military Medical College
Cardboard: Thinking the Box Cheryce Marie von Xylander, Technical University Darmstadt
The Design and Use of “Black Boxes” in Computational Practice Martina Merz, University of Klagenfurt
The Glove Box on Stage: Why Boxes Matter in the World of Science and Technology Maria Rentetzi, University of Vienna
Unboxing Armageddon: Performing the Bendix Family Radiation Measurement Kit Matthew Battles, Harvard University; Sherri Wasserman, metaLAB at Harvard
Chair:
Ellen Balka, Simon Fraser University

190. Critiquing the Rise of Impact Culture
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 12
Participants:
- Critiquing the Growth of ‘Impact’ Culture Robert Frodeman, University of North Texas
- Narcissism.edu: The New Academic in the Impact Regime Adam Robert Briggie, University of North Texas
- Mapping the public impact of social science and humanities David Budtz Pedersen, Humanomics Research Center, University of Copenhagen

The Broader Impacts of Philosophy: Analyzing the REF Case Studies Kelll Barr, University of North Texas

Denton
Discussants:
James Collier, Virginia Tech
Steve Fuller, University of Warwick

191. Remaking Participation: Science, Environment and Emergent Publics (Session 1: “Participation In-The-Making”)
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 16
Chair:
Matthew Kearnes, University of New South Wales
Discussants:
- Jason Chilvers, 3S Research Group, University of East Anglia
- Ulrike Felt, University of Vienna
- Alan Irwin, Copenhagen Business School
- Brice Laurent, CSI - Mines ParisTech
- Brian Wynne, University of Lancaster

192. STS and the City: Engagements and Interventions in Techno-Politics I
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 17
Participants:
- Imagining the Smart City: Science, Technology and Urban Futures Thaddeus Miller, Portland State University
- The role of technology in discourses of urban resilience: the case of secure smart cities Anique Hommes, Maastricht University
- Distributed or Democratic Risk Governance? Rendering Philadelphia Reinvestment-Ready in the Civil Rights Era Fallon Samuels-Aidoo, Harvard University
- Tracing Futurity in the Detroit Master Plan James Macmullen, Cornell University
- Technological Segregation: Google’s ‘Fiberhoods’ and Kansas City’s Racial Divide Monica M. Brannon, Bowdoin College

Chair:
Rider Foley, University of Virginia
Discussant:
Tom Gieryn, Indiana University

193. Data Downstream: STS and Institutional Dimensions of Data, I
Paper Session
8:30 to 10:00 am
Denver Hotel: Governor’s Square 9
Participants:
- Big Data, Little Data: Protecting Privacy or Protecting Value? Alison Cool, University of Colorado, Boulder; Marianne De Laet, Harvey Mudd College

Data Sharing Practices among Distributed Scientific Collaborators Sarika K Sharma, Syracuse University; Steve Sawyer, Syracuse University

Designing Data Infrastructures with Multiple, Disparate Networks Peter Darch, UCLA; Ashley E. Sands, University of California, Los Angeles; Sharon Traweek, UCLA

Policy, Trust, and Technology in the Design of a Digital Archive of Traumatic Collections Richard Arias-Hernandez, University of British Columbia; Lisa P Nathan, University of British Columbia; Elizabeth Shaffer, University of British Columbia

Dementia data sharing: Task certainty and mutual dependence in medical research Eric T. Meyer, University of Oxford; Ralph Schroeder, University of Oxford; Ulrike Deetejen, University of Oxford

Specimens, data, emergence and entanglement in HIV/AIDS science David Ribes, Georgetown University

Chair:
Kalpana Shankar, University College Dublin
Kristin Eschenfelder, University of Wisconsin

194. E-Health and Care
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Ballroom D
Participants:
- Asthma and Emplaced Care: How Health Apps Index the Spatial Risks of Illness Alison Kenner, Drexel University
- Preserving uniqueness through formalization? The role of protocols and scales in person-centred care Doris Linnea Lydahl, University of Gothenburg, Department of Sociology and Work Science
- The Ghost in the Algorithm? Patients and Data in E-Health Linda F. Hogle, University of Wisconsin--Madison
- eHealth markets between wonder and woe: Shaping health practices through promissories? Susi Geiger, University College Dublin
- On the Construction of Child Abuse: Medical Practices of Identifying Maternal Overload Ulrike Tikvah Kissmann, University of Kassel

Chair:
Ulrike Tikvah Kissmann, University of Kassel

195. The Epistemology of Code and Computation I
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Ballroom E
Participants:
- Metaheuristics and Marginalism: False Generalization in the Mathematics of Late Capitalism Evan Buswell, UC Davis
- Software Maintenance as Knowledge Maintenance Seth Erickson, UCLA, Information Studies
- The Emergence of Algorithmics: How the Algorithm Became an Object of Knowledge Jérémy Grosman, University of Namur
- Between Science and Hardware: Supercomputing Codes and Sociotechnical Repair Benjamin Sims, Los Alamos National Laboratory
- Signal, Symbol, Measure, Model: Automatic Speech Recognition and Computational Knowledge Xiaochang Li, New York University

Saturday, November 14
196. Experimenting, Market Making, and Public Policy: The Creation of Markets for Legal Marijuana and Other Contested Commodities

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 1

Participants:
- Expert Perceptions Of Natural Diamonds And Their Substitutes
  - Bryn Elizabeth Whiteley, Virginia Polytechnic Institute and State University
- From seed to sale: The creation of markets for cannabis in Colorado
  - Tommaso Palermo, London School of Economics; Dane Pflueger, Copenhagen Business School; Daniel Martinez, HEC Paris
- Imagining Fish Sticks: Commodification, "Frankenfish", and Encountering U.S. Aquaculture
  - Tess A Doezema, Consortium for Science, Policy and Outcomes, Arizona State University
- Impact of recreational marijuana on the existing medical market: evidence from Colorado
  - Davide Fortin, Copenhagen Business School
- Indeterminacy and the Phantomatic in Indonesia’s Civet Coffee Industry
  - Colin William Cahill, University of California, Irvine

Chair:
- Dane Pflueger, Copenhagen Business School

197. Public Participation in Energy Transitions

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 2

Participants:
- Creating energy citizenship in an oil economy
  - Marianne Ryghaug, Norwegian University of Science and Technology; Vivian Anette Lagesen, Norwegian University of Science and Technology
- Fossil Fuels and Co.: What Does Alternative Energy Mean to the Public?
  - Jodi Pajo, Pace University
- Interventions in Practice: Figuring Publics in Energy Policymaking
  - James Wilcox, Rensselaer Polytechnic Institute
- Local Power: Renewable Energy, Envirotechnical Futures, and Rural-Urban Politics in the California Desert
  - Emily Brooks, University of California, Irvine
- Making the Renewable Energy Island: Securing local viability through energy transformations
  - Irina Papazu, Department of Political Science, University of Copenhagen

198. From one Thing to Another: Technologies of Representation in Design and Making

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 3

Participants:
- ‘Drawing things together’ in architecture education:
  - Reconsidering the design review
  - Arlene Oak, University of Alberta
  - Patrick Henri Harrop, Department of Architecture, University of Manitoba
- In Search of Convergence: Making Design Media Analogous in an American University Architecture Studio
  - Claire Blythe Nicholas, University of Alberta, Department of Human Ecology

Manufacturing is the Message - The Medium of 3D Printing
- Dan Southwick, University of Toronto

The social character of imagining a building into reality
- Letitia Meynell, Dalhousie University

199. Psychology of Science and Technology

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 4

Participants:
- A. Jean Ayres and the Invention of Sensory Integrative Therapy
  - Mike Gorman, University of Virginia
- Children’s decision-making: A heuristic approach to research participation
  - Emily Christofides, University of Guelph; Kieran O’Doherty, University of Guelph; Jennifer Reniers, University of Guelph; Valerie Waters, Sick Kids Hospital; Melinda Solomon, Sick Kids Hospital
- Psychological Predictors of Motivated Reasoning on Climate Change
  - Greg Feist, San Jose State University; Zachary Caddick, San Jose State University
- Making Metrics and Opening Access to Scholarship from Brazil
  - Ullica Segerstrale, Illinois Institute of Technology

200. Transforming Scholarship: Open Access, Data Sharing, and Emerging Forms of Publication

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 5

Participants:
- 1/ From articles to research objects: key issues highlighted by
  - OpenScience
- Célya Gruson-Daniel, Centre Virchow-Villermé (France); UTC (France); Université Laval (Québec)
- High energy papers: communication and credit in particle physics
  - Alessandro Delfanti, University of Toronto
- Implementation of OA policies in Sweden. The case of chemistry
  - Marianne NOEL, Université Paris-Est, LISIS & IFRIS

Making Metrics and Opening Access to Scholarship from Brazil
- Alexandra Lippman, University of California, Davis
- Scholarly documentation on semi-regulated markets – The case of development-led archaeology
  - Lisa Börjesson, Department of ALM, Uppsala university

Chair:
- Alessandro Delfanti, University of Toronto

201. Inequalities & Infrastructures

Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 6

Participants:
- A fair Internet? Global Inequality expressed through Internet infrastructure
  - Morten Bay, UCLA
- A geography of environmental justice: people, farms, water and oil in Kern County, CA
  - Bogdana Manole, Arizona State University
Paper Session
8:30 to 10:00 am
Denver Hotel: Plaza Court 7
Participants:
- Electroosensitivity: Causality and Conspiracy in West Virginian
  Kelly Ladd, York University
- How Does Petro-capitalism Make You Feel? In Pursuit of a
  Regional Sensorium Peter Hobbs, York University
- Return Policy of Fukushima Evacuees under Controversies on
  Radiological Risks Reiko Hasegawa, Sciences Po Paris;
  christine Fassett, IRSN
- Through a Maze of Studies: The Impossibility of Linking
  Health to Pollution in France's Southern Industrial Region
  Barbara Allen, Virginia Tech; Yolaine Ferrier, CNRS
- ‘Invisible’ threats or ‘invisible’ stakeholders of Environmental
  Impact Assessments (EIA) Parvi Abernethy, University of
  Waterloo
Chair:
  Laura Senier, University of Wisconsin-Madison

203. Logistical Articulations: Materiality, Temporality & Evaluation
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row E
Participants:
- Enacting the Logistical Region Kevin Donovan, University of
  Michigan
- Planned Precarity and Crisis Logics in Agadir, Morocco
  Daniel Willford, University of Michigan
- Lived Economies and the Productivity of "the Jam": Blockage
  as a Space of Marginal Gain on Nairobi’s Streets Emma
  Park, University of Michigan
- A conflict that can’t be ignored: how incompatibilities generate
  infrastructures of safety. Jessica Mesman, Maastricht
  University
- Securing peculiar primate economies in biomedicine Tone
  Druglitrø, Centre for Technology, Innovation and Culture,
  University of Oslo
Chair:
  Jatin Dua, Duke University

204. Theory Roundtable: A Dialogue on Feminism and Postcolonialism
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row G
Participants:
- How to Have Theory in a Silent Pandemic: Hepatitis C after the
  Weak Theory Turn Lisa Cartwright, UCSD
- Aurality and Sonic Ethnography Roshanak Kheshiti, UCSD

205. Exploring Self-tracking II: Looking at the Technologies and Their Use
Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row H
Participants:
- Circulating Pictures of Baby Poop: The Emergence of the Self-
  Caring Patient in the Age of the Internet Ebru Kayadıp,
  Istanbul Sehir University
- On the Role of Knowledge in Self-tracking Health-apps Lena
  Ulbricht, Berlin Social Science Center
- Self-tracking and critical sense-making: an emerging epistemic
  network Kristrian Gunnarsdóttir, Lancaster University;
  Angela Guimarães Pereira, European Commission - Joint
  Research Centre
- Gamifying the sustainable self: risks and opportunities for
  effective governance of mobile applications for sustainability
  Carolina Cruz-Vinaccia, Concordia University
- ‘It’s a good tool, but it’s just a tool’: Negotiating mobile calorie
  counting with MyFitnessPal Gabija Didziokaite,
  Loughborough University
Chair:
  Gabija Didziokaite, Loughborough University

Paper Session
10:30 to 12:00 pm
Denver Hotel: Director's Row I
Participants:
- Organizational Activities and Critical Decisions during the
  Diffusion of Cyberinfrastructure Kerk F Kee, Chapman
  University
- Unpacking the Production of Radio Astronomy Software and
  Data Products Drew Paine, University of Washington
- Producing Sameness: Standardization and coordination in the
  Ocean Sampling Day Richard Aubrey Slaughter, University
  of California, Irvine
- Being Multiple: Multi-mission and multi-institutional work in
  NASA’s robotic space exploration program Janet Vertesi,
  Princeton University
- Interdisciplinary Teams in Intelligence Analysis: An
  Experiment at NC State Kathleen Vogel, North Carolina
  State University; Jessica Jameson, North Carolina State
  University; Joy C Davis, North Carolina State University;
  Hector Rendon, North Carolina State University; Brian
  Evans, RTI; Percy Hooper, North Carolina State University;
  Sharon Joines, North Carolina State University; Deborah
  Littlejohn, North Carolina State University; Beverly Tyler,
207. Calls and Responses II: Exploring the Agency of Scientists in Developing Countries as they Engage with Foreign Partners

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Row J

Participants:
Enrolling foreign allies and resources to local dreams. Hebe Vessuri, CIGA-UNAM
Anticipating a Future of Collaborations among Cuban and US Speleologists amidst shifting Geopolitics Maria Alejandra Perez, WVU
Asymmetries of Knowledge Production: TurkStat as a EuroStat partner institution Funda Ustek, Goldsmiths, University of London
Identity Conflict: Science, Politics and Religion in the Post-Revolutionary Iran Saidegh Foghanit, University of South Carolina
The center-periphery relationship in the international agrarian debate Joaquim Pinho Pinheiro, University of Brasilia

208. Global Governance of Technoscience and Large Technical Systems

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 10

Participants:
Alter-standardization in regenerative medicine research: perspectives from China, India and Japan Achim Rosemann, Centre for Bioworking, Department of Anthropology, University of Sussex
Governing nuclear safety: desirability and feasibility of a post-national approach Behnam Taebi, Delft University of Technology: Maximilian Mayer, University of Bonn
Nuclear Waste Fuel leaks in the Arctic: crime or technological failure? Venilla Rajaguru, York University
The Ozone ways of knowing : Narrating the CFC crisis to govern contemporary global issues Mathieu Baudrin, Centre de Sociologie de l’Innovation (CSI) Mines Paritech
Transitional Mechanism of Science and Technology Park:Perspective from the Co-evolution of Physical and Social Technologies Dechun Sha, Henan Agricultural University

209. Reconsidering Everyday Things and Mundane Technologies in Technological Engagements

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 11

Participants:
Dressing for the Part: Clothing as Both Technology and Practice Chris Hesselbein, Cornell University
The Development of a Disposable Musical Instrument for Dyspnea Treatment Elizabeth Lewis, University of Technology Sydney
What Was a Microscope? Early Modern Magnifying Lenses Ian Lawson, University of Sydney
The Hospital Gown in the Construction of the Hospital Patient Sahar Tavakoli, University of Sydney

210. Re-Imagining the Practices and Products of Academic Collaboration: A Workshop

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 12

Discussants:
William Davis, Virginia Tech
Robert Frodeman, University of North Texas
Steve Fuller, University of Warwick
Joan Leach, University of Queensland
Philip R Olson, Virginia Tech
Melissa Orozco, Universidad Autonoma de Queretaro
Francis Remediios, Editorial Board Member Social Epistemology
Gregory Sandstrom, Lithuania University of Educational Sciences

211. Remaking Participation: Science, Environment and Emergent Publics (Session 2: Re-Making Participation)

Chair:
Jason Chivers, 3S Research Group, University of East Anglia

Discussants:
Maja Horst, University of Copenhagen
Matthew Kearnes, University of New South Wales
Cynthia Selin, Arizona State University
Jan-Peter Voss, Technische Universitat Berlin
Claire Waterton, Centre for the Study of Environmental Change (CSEC), Department of Sociology, Lancaster University
Sarah R Davies, University of Copenhagen

212. STS and the City: Engagements and Interventions in Techno-Politics II

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 17

Participants:
The quest for citizen governance of energy resources Tineke van der Schoor, Hanze University of Applied Sciences; Henny J. Van der Windt, University of Groningen; Heico van der Blank, Hanze University of Applied Sciences
Climate Change from the Streets: Community Action for Global Health Impact Michael Mendez, UC Berkeley
Toward Nocturnal Heterotopia? Light Pollution as an Emergent Technopolitical Frontier Kyle Orion Harp, University of California, Riverside
Bringing Ecosystem Services to Cities: New Imaginations of Green Infrastructure Mattijs Van Maasakkers, Ohio State University
The City Unburnable: An Ornamental Approach To Managing Fire Risk In The Early Twentieth Century Johnathan Puff, University of Michigan

Chair:
Rider Foley, University of Virginia

Discussant:
Steven A Moore, University of Texas

213. Data Downstream: STS and Institutional Dimensions of Data, II

Discussant:
Trevor Pinch, Cornell University
214. Replaceable Parts: Prosthetic Technologies in Biomedicine

Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom D

Participants:
- You Move, It Moves: Prosthetic Technologies in Surgical Practice Mark Olson, Duke University
- Prosthetics and the Technological Sublime Seth Messinger, UMBC
- Getting Out of the Plaster Room ginger "all-lower-case" coons, University of Toronto; Matthew Ratto, University of Toronto
- Prosthetic Infrastructures: 3D Printing and Face Transplantation Samuel Taylor Alexander, University of Edinburgh
- New Legs and Old Skills Ashley Shew, Virginia Tech

Discussant: Shobita Parthasarathy, University of Michigan

215. The epistemology of Code and Computation II

Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Ballroom E

Participants:
- Conflicting Epistemologies in Digital Archival Repositories Patricia Galloway, University of Texas at Austin
- Chess and the Embedded Epistemology of Social Computing Lindsey Poitier, Rensselaer Polytechnic Institute
- Circumnavigating the Formalist/Proceduralist/Narrativist Debates in the S.S. STS Casey O'Donnell, Michigan State University
- The epistemology of code in historical scholarship Pim Huijnen, Utrecht University; Melvin Wevers, Utrecht University
- Staying on Topic: Examining the Claims of Probabilistic Modeling in Text Analysis Nabil Kashyap, Swarthmore College

216. Taking the Measure of Global Health

Paper Session
10:30 to 12:00 pm
Denver Hotel: Governor's Square 9

Participants:
- Governance or Statecraft: Classifying the South Korean Public Data Sharing Plan Joonwoo Son, Columbia University
- National statistics and innovation labs: A new statistical regime in the age of big data Baki Cakici, Goldsmiths, University of London
- Resistant Experts and Credible Resistance: Negotiating the implementation of a national biometric database in Israel Michelle Spektor, Bar-Ilan University
- Data Publics as Advocates: Information Transparency in the Management of the Oil and Gas Industry Kirk Jalbert, Rensselaer Polytechnic Institute
- Heterogeneous Engineering in Digital Age: the case of Copyright Hub Hung The Nguyen, University of Edinburgh; Gian Marco Campagnolo, University of Edinburgh; Robin Williams, University of Edinburgh
- Institutions are People, Too: Determining the Value of Government Records Duncan Friend, University of Kansas - School of Public Affairs and Administration


Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 1

Participants:
- Working for the I(man)ginaries: Labor, Energy and the “Good Society” Jessica M. Smith, Colorado School of Mines
- Lofty ambitions: emerging communities of garage inventors, graduate students, and engineer/entrepreneurs attempt to develop airborne wind energy conversion systems (AWECs) Katherine Dykes, NREL / MIT
- Mapping socio technical controversies in Mozambique: notes on coal, trains, people and other actors Eduardo Viana Vargas, UFMG - Universidade Federal de Minas Gerais
- Risk and Reward: The Gendered Dimensions of a Resource Boom in Western North Dakota Christine Labuski, Virginia Tech
- New energy transition laborers? Framing craftspeople as energy advisors Roger Andre Sorau, NTNU

Chair: Jessica M. Smith, Colorado School of Mines

218. Hackerspaces and Makerspaces

Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 3

Participants:
- (Un)making Indonesia: Local Particularities of Grassroots Technological Production in Hackerspace Cindy Katying Lin, National University of Singapore/University of Michigan, Ann Arbor (admitting Fall 2015)
- Hackerspaces as a site of “Science in Action” Ray op'tLand, University of Calgary
- Making and Engineering - How Visions of Expertise Affect Education in Interdisciplinary Project Spaces Aubrey Wigney, Arizona State University
- The Making of Maker Movement in China Siyan Xu, Tsinghua University
- “Lost in Configuration”: DIY Practice and Subject-making Ehsan Sabaghian, Syracuse University, Syracuse, New York 13244; Murali Venkatesh, Syracuse University, Syracuse, New York 13244 USA

219. Performance and Temporality in Scientific Practice

Paper Session
10:30 to 12:00 pm
220. From Open Access to Open Science: a new paradigm for the study and practice of Science?
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 5
Participants:
Autism Genomes in the Cloud: The Influence of Parent Advocacy on Open Science Jennifer Singh, Georgia Institute of Technology
Open Knowledge Infrastructures: Emergent Community-based Biodiversity Data Ecosystems Andrea Wiggins, University of Maryland; Yurong He, University of Maryland
Open and collaborative science in development: practical learning and critical reflection Sarita Albagli, IBICT - Brazilian Institute for Information in Science and Technology; MARIA LUCIA MACIEL, UFRJ - Federal University of Rio de Janeiro; Henrique Zogui Martins Parra, Universidade Federal de São Paulo; Felipe Schmidt Fonseca, IBICT - Brazilian Institute for Information in Science and Technology; Diogo Azevedo Lyra, IBICT - Brazilian Institute for Information in Science and Technology
The sociology of arXiv: a case study of 'green' Open Access Luis Ignacio Reyes-Galindo, Cardiff University
“Autonomous science”, “science for” and “with” the public: exploring three ideals Mélissa Lieutenant-Gosselin, Université Laval (Québec)

Chair:
Mélissa Lieutenant-Gosselin, Université Laval (Québec)

221. Science & Technology Studies at the Intersections of Social Inequalities
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 6
Participants:
Gendering Mopeds and Gendering Users in Taiwan Kuan-Hung Lo, Virginia Tech
Neurosciences and the reproduction of social inequalities Torsten Heinemann, UC Berkeley
Science, Social Justice and Sprouts Daniel Allen Lyles, Rensselaer Polytechnic Institute

Saturday, November 14

The Paradox of Complexity: Genes, Environment, and the Biomedicalization of Health Inequalities Janet Shim, University of California, San Francisco; Katherine Weatherford Darling, UC San Francisco; Sara L. Ackerman, University of California, San Francisco
Out and equal@NASA: The co-construction of STEM and LGBT identities through an intersectional lens Tom Waidzunas, Temple University; Erin Cech, Rice University

222. Questions of Land and Natural Resources
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 7
Participants:
Capitalizing Knowledge: Transforming NARS in a Neoliberalizing India Sunita Raina, Department of Humanities and Social Sciences, BITS Pilani, India
The Environmental Politics of Responsible Rare Earth Mining Roopali Phadke, Macalester College
The Integrated Water Resources Management: a comparative analysis of models of United States and Brazilian management. Larissa Trindade, Doutoranda do PPGCH da UFSC
The deep nuclear waste repository as an epistemic shift? Martin Denoun, EHESS

223. From Bugs to Food Waste: Depoliticizing and Scientizing Food Risks and Sustainability
Paper Session
10:30 to 12:00 pm
Denver Hotel: Plaza Court 8
Participants:
“Bugologists,” Medfly, and epistemic jurisdictions of America’s perennial agricultural emergency Jennifer Sedell, UC Davis
Measuring Food Risk and Danger at the US Department of Agriculture Saul Hafon, Virginia Tech
Who produces safety how? A case study of epistemic authority in governing foodborne disease Patrick Baur, UC Berkeley
Transformation of ‘Food’ to ‘Waste’ at the Household Level Laura Moreno, UC Berkeley
Improving Industrial Agriculture: The Rise of Sustainable Intensification Alastair Iles, UC Berkeley

Chair:
Alastair Iles, UC Berkeley

224. Performance: "The Wizard of OD"
Special Event
12:00 to 2:00 pm
Denver Hotel: Director's Row E

225. Engineering Studies Journal Editorial Board Meeting
Business Meeting
12:00 to 2:00 pm
Denver Hotel: Director's Row G

226. Business Meeting of the 6S (4S Student Section)
Business Meeting
12:00 to 2:00 pm
Denver Hotel: Director's Row I

227. Social Studies of Science Editorial Board Meeting
Business Meeting
228. Life, Lives, Livings, Lifetimes: rethinking technology’s cycles and durations
   Paper Session
   2:00 to 3:30 pm
   Denver Hotel: Director’s Row E

   Participants:
   Giving life to a TUI through inspiration from Colombian calado embroidery and its materialities Tania Pérez Bustos, Pontificia Universidad Javeriana; Laura Juliana Cortes, National University of Colombia
   Temporalities of repair work: the ‘lives’ of mobile phones in downtown Kampala, Uganda Lara Houston, Cornell University
   The life and death of prototypes Marie Ernert, IT University of Copenhagen
   Patchwork code and legacy systems: exploring the lived temporal relations of software’s materiality Marisa Leavitt Cohn, IT University of Copenhagen
   Material time and project time: Towards a framework for the comparative analysis of project dynamics Jochen Glaser, Technical University Berlin

   Discussant: 
   Lily Irani, UC San Diego

   Panel Discussion
   2:00 to 3:30 pm
   Denver Hotel: Director’s Row G

   Participants:
   Why Non-Natalisms Now? On Feminisms, Populations and Environmental Crises Adele E. Clarke, University of California, San Francisco
   Children of Compost: Making Kin Donna Haraway, UCSC
   Thinking Against Population and with Distributed Futures Michelle Murphy, University of Toronto
   Black Lives Matter Alondra Nelson, Columbia University
   Making Love and Relations Beyond Settler Sexualities Kim TallBear, University of Texas at Austin
   East Asian Low Fertility Crisis and Its Feminist Stories of Bio-power Chia-Ling Wu, National Taiwan University

230. Wearables, Self-Tracking and Quantified Selves: Embedding and Embodying Self-Tracking Technologies in Everyday Life
   Paper Session
   2:00 to 3:30 pm
   Denver Hotel: Director’s Row H

   Participants:
   Health and lifestyle: a blurring distinction in the age of wellness apps Federica Lucivero, King’s College, London
   Training to self-care: Fitness tracking and the knowledgeable consumer Aristeia Fotopoulou, Lancaster University; Kate O’Riordan, University of Sussex, and Cesagen
   Wearable Tech and Fashion: Who is Woman 2.0? Elizabeth Wissinger, City University of New York
   Self-tracking and ‘successful aging’: Shaping the ‘grey market’ for wearables Barbara L. Marshall, Trent University
   Satellite Citizens: Immigrants, AnkleS, Cost-Benefit Logics, and Wearable Computing Lauren Kilgour, School of Information Sciences, University of Pittsburgh

231. Social Studies of ELSI (Research)
   Paper Session
   2:00 to 3:30 pm
   Denver Hotel: Director’s Row I

   Participants:
   Exploring the participative turn: the case of citizen-expert panels on biobanks Melanie Goisauf, Life Science Governance Institute; Anna Durnová, University of Vienna
   Futures of Dealing with the Future in Informed Consent Documents Victoria Neumann, STS Department, University of Vienna
   Meta-ELSI: Interdisciplinarity in ELSI Research Simon Lohse, University of Hannover, Centre for Ethics and Law in the Life Sciences
   Scientists’ ethical engagement capacity in the framework of responsible innovation Mauro Liao, Tsinghua University; Wenxia Zhang, Chinese Academy of Science and Technology for Development; Yandong Zhao, Chinese Academy of Science and Technology for Development
   The ELSI approach on the implications of neurotechnologies - the case of BCIs Gabriel Velloso, ITAS - KIT; Maria Joao Ferreira Maia, KIT - ITAS

232. International Migration of Science Workers
   Paper Session
   2:00 to 3:30 pm
   Denver Hotel: Director’s Row J

   Participants:
   Academic mobility: are abroad postdocs needed? Alejandro Canales, Research Institute of the University and education UNAM55
   Glass-ceiling or self selection? Asian Indian Scientists in US Academia Meghna Sabharwal, The University of Texas at Dallas; Roli Varma, University of New Mexico
   International Programmes of Mobility to USA Views, perceptions and experiences of Portuguese scientists Emília Araújo, University of Minho; Cátia Ferreira, University of Minho
   International mobility: personal and academic perspectives of early stage researchers in different fields of knowledge Mery Hamui, Universidad Autónoma Metropolitana-A
   Science by Association: Postdoctoral Mobility Practices and Academic Capitalism Helen Peterson, University of Gothenburg
   Sense-Making in Uncertain Times: International Scientists in Contemporary Japan Jeva Tretjuka, University of Pittsburgh

233. How can Triple Helix contribute to solving the global crisis? (economic growth, environmental sustainability, social inequality)
   Paper Session
   2:00 to 3:30 pm
   Denver Hotel: Governor’s Square 10

   Participants:
   Triple Helix actors and Innovation for Inclusive Development: mechanism for addressing global poverty, inequality and exclusion Chux Daniels, SPRU – Science Policy Research Unit, University of Sussex, UK and Centre for Science,
Technology and Innovation Indicators (CeSTII), Human Sciences Research Council (HSRC), South Africa.
Fostering new ICTs in developing countries may indeed spur economic development: the Brazilian SOFTEX program and its economic impact Eduardo Costa, Federal University of Santa Catarina; José Fábio Marinho Araújo, Federal University of Rio de Janeiro
Exploring tension and complementarity in the Triple Helix Model Mariza Almeida, Federal University of the State of Rio de Janeiro; Henry Etzkowitz, International Triple Helix Institute, Palo Alto & Beijing
Dialectic of Resistance and Accommodation: A Study of Scientific Practices in Globalizing India Sanmit Mallick, Indian Institute of Technology Gwahati

234. Practicing Craft, Body, and Materiality
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 11
Participants:
The infrastructure of psychological proximity – enactments of skillfulness in telemedicine Niels Christian Mossfeldt Nickelsen, Aarhus University, Campus Emdrup
Attending like an Engineer: Rhetoric, Gesture and Engineering Design Jonathan Scott Weedon, Case Western Reserve University
Linking craft and performance through embodiment Michael Nitsche, Georgia Institute of Technology
Of Making New and Improving Old: Tinkering as Design Yana Boeva, Science & Technology Studies, York University
The Politics of No Politics: Exploring Gender, Skill-sharing, and Community-Building in Maker Communities Ellen Foster, Rensselaer Polytechnic Institute
Performativity Frameworks: Dancing agents in STS scholarship Margaret Jean Westby, Concordia University
Chair: Erin Elizabeth O’Connor, Marymount Manhattan College

235. Observing Knowledge Producers at Work
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 12
Participants:
Building data science: Translating imagined collaborations into place Charlotte Julie Cabasse-Mazel, UC Berkeley; Brittany Fiore-Silfvest, University of Washington; Laura Noren, New York University
Connecting the Research Workflow: An Ethnographic Study of Scholars’ Archiving Practices Smiljana Antonijevic Ubois, Penn State University; Ellysa Stern Cahoy, Penn State University
Standardizing for reuse: Moving beyond metadata and classification schemes Alyson Leigh Young, UMBC; Wayne G Lutters, UMBC
The microdynamics of knowledge production in foreign policy think tanks levgenii Rovnyi, Goethe University of Frankfurt am Main
The Order of Art: the Production of Classification in Art History Sarah E Sachs, Columbia University

236. The Other Experts in Policymaking: Beyond Science and Publics I
Paper Session
2:00 to 3:30 pm

237. STS and the City: Engagements and Interventions in Techno-Politics III
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 17
Participants:
Learning Displacement: a Sociotechnical Analysis of Educational Infrastructure in Brazilian Informal Settlements Kristine Stiphany, The University of Texas at Austin
Smart districts and the rise of modular urban experiments James Evans, University of Manchester; Andrew Karvonen, University of Manchester
Intervening in urban spaces: Exploring technology assessment as conflict transformation Rider Foley, University of Virginia
Mobile Media Origins: Rare Earth Minerals and the Ecological Impact of a Mobile Device Jason Farman, University of Maryland; Adriana A. de Souza e Silva, NCSU

238. Automated Actors Online: Algorithms and Bots
Paper Session
2:00 to 3:30 pm
Denver Hotel: Governor’s Square 9
Participants:
Algorithmic control and resistance in virtual money Rachel O’Dwyer, Trinity College Dublin
Conceptualizing “botness” Taina Bucher, University of Copenhagen
Designing for and with similarity: Learning to group people together Samir Passi, Cornell University
Dissecting a Social Botnet: Growth, Content, and Influence in Twitter Norah Abokhodair, The University of Washington
Public News Bots? Creating Networked News Time in Automated Journalism Mike Ananny, University of Southern California

239. Infrastructures of Genomic Medicine
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom D
240. The Epistemology of Code and Computation III
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Ballroom E
Participants:
Prefiguring the Internet of Things and Beyond: The Case of the Automobile James Miller, Hampshire College
Sociotechnical Co-Development of Early Computer Network and Cryptography Infrastructure Bradley Fidler, UCLAn; Quinn DuPont, University of Toronto
Understanding code through nine metaphors Tomi Dufva, Aalto-University

241. Negotiating Public Health Policy
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 1
Participants:
Regulating Risky Turtles Angie Boyce, Harvard T.H. Chan School of Public Health
What are the costs? Negotiating healthcare costs and population health at a safety-net clinic Katherine Weatherford Darling, UC San Francisco
Under the Skin and Under the Skull: Neuroscience, Adversity, Inequality, and Policy Kasia Eve Tolwinski, Cornell University
Public Health: Enforcing Physician Autonomy via Evidence-Based Medicine Laura Senier, University of Wisconsin-Madison; Lauren Nicoll, Northeastern University
Mutating Negotiations in BSL-3 Labs: H5N1, H7N9 and the translations of nature and risk in public policy Theresa MacPhail, New York University
Chair: Angie Boyce, Harvard T.H. Chan School of Public Health
Discussant: Janet Shim, University of California, San Francisco

242. Socio-Energy Systems and the Production of Hazardous Landscapes
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 2
Participants:
As Good As Glass: Nuclear Waste and the Politics of Eternal Stewardship Shannon Cram, University of California, Berkeley
Overpowering the Earth: Infrastructural Experiments in Seismic Landscapes James Maguire, IT University Copenhagen
Sustaining Deep Time Thinking: Longsighted Lessons From Finland’s Olkiluoto Nuclear Waste Repository Project Vincent Francis Ialenti, Cornell University
To Be Continued: Temporality, Trust, Governance, and High-level Nuclear Waste William J Kinsella, North Carolina State University
Chair: Jennifer Richter, Arizona State University

243. Un-packing and re-forming Our Global Surveillance/Information Infrastructures after Snowden
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 3
Participants:
Metadata as a critical element of networked communication infrastructures Matthew Mayernik, National Center for Atmospheric Research (NCAR); Amelia Acker, University of California, Los Angeles
Surveillance and its publics – European perspectives Walter Peisl, Austrian Academy of Sciences
To the Market and Back: Explaining the Structure of Cybersecurity Frank L Smith III, Centre for International Security Studies, University of Sydney
“Localize” internet routing and cloud services to avoid NSA mass state surveillance? Andrew Clement, University of Toronto
The material culture of protest regulation: exploring the sensory power of cameras and noise-meters for protest control in Korea Eun-sung Kim, The Department of Sociology, Kyung Hee University, Korea
Chair: Andrew Clement, University of Toronto

244. Science, Storytelling, and the Precarious Life of Evidence
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 4
Participants:
Science, Storytelling, and the Politics of Advocacy Against Aerial Fumigation Kristina Marie Lyons, University of California, Santa Cruz
An Ethical Objectivity in a State of Corruption Stefanie Graeuter, UC Davis
Abundant evidence, persistent uncertainty Amelia Fiske, University of North Carolina at Chapel Hill
Matters of Biodiversity Alberto E Morales, University of California Irvine
Chair: Angie Boyce, Harvard T.H. Chan School of Public Health
Discussant: Janet Shim, University of California, San Francisco

245. The Transformation of Scientific Work
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 5
Participants:
Achieving membership through the mutual intelligibility of a bioinformatic problem Donald Everhart, UCSD
Competition and Cooperation in a Big Science Project Emiko Adachi, Japan Advanced Institute of Science and Technology; Yasu ITO, Jaist; Katsuhiro Unemoto, Japan Advanced Institute of Science and Technology
Competition for Grants and the Rise of the Hierarchical Academic Lab in the Biomedical Sciences since the 1970s
246. Confronting Innovation and Inequality
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 6
Participants:
Frugal Innovation for Climate Resilience: Pathways Out of Energy Poverty Keith Warner, Santa Clara University
Technogenarians: Elders, Innovation and Design Kelly Joyce, Drexel University
Responsible Innovation as Shared Space Clark Miller, Arizona State University
Latin America inclusive innovation experiences: examples from Brazil, Chile and Mexico Tildo José Furlan Junior, State University of Campinas; Rafael Dias, Campinas State University

247. Contested Renditions of Ecological Realities I: Environmental Services
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 7
Participants:
Moral Ecosystems, Absent Services: Multispecies Politics in Turkish Coastal Wetlands caterina scaramell, MIT HASTS
Price, Value, Ecology: Ecological Economics and Payments for Ecosystem Services Laura Alex Frye-Levine, University of Wisconsin, Madison
The Mexican Anthropocene: Transnational Practices of Making and Remaking Landscapes Emily Mannix Wanderer, Bowdoin College
An Analysis and Critique of Ecosystem Service Valuations in Public, Private, and Non-Profit Arenas: Identifying Opportunities for More Holistic and Effective Environmental Stewardship Approaches Micah Efron, NOAA; Victoria Ramenzoni, NOAA
Lively patternings: tracing the effects and affects of the 'ecosystem services' concept Claire Waterton, Centre for the Study of Environmental Change (CSEC), Department of Sociology, Lancaster University
Chair: Raoni Rajão, Federal University of Minas Gerais
Discussant: Raoni Rajão, Federal University of Minas Gerais

248. Measuring Risks
Paper Session
2:00 to 3:30 pm
Denver Hotel: Plaza Court 8
Participants:
Design Logics as Relays: Articulating Environmental Media Systems in the Environmental Sciences and STS Brandon Costelloe-Kuehn, Rensselaer Polytechnic Institute

Notes on Equivalence Frameworks in Sensor Systems marco bohlen, University at Buffalo
Opening the Black Box of Chemical Blacklists Alissa Cordner, Whitman College
The pragmatics of correlation or how predictive modelling reshapes the government of technical objects François Thoreau, University of Liège; Brice Laurent, CSI - Mines ParisTech
Preconditions for transformation in a climate change context: Co-production of knowledge Grete Kaare Hove Hovelsrud, University of Nordland; Halvor Dannevig, Western Norway Research Institute

249. Pictures of Numbers: Contemporary and Historical Perspectives on Data Visualization
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row E
Participants:
An Integrated STS-Process Model for Assessing and Performing Visual Scientific Practices Luc Paunels, University of Antwerp
Chronophotography and the Fetishization of Data Visualization Geoffrey Alan Rhodes, School of the Art Institute of Chicago
Empirical Passions: The Survey Graphic, the Progressive Movement, & the Prehistory of Data Journalism Christopher Anderson, City University of New York
Feminist Data Visualization: The Theoretical Work of 19th-Century Women Educators Lauren Klein, Georgia Tech
Visualizing the Invisible: The Rise and Fall of Peak Oil Gary Bowden, Sociology, University of New Brunswick

250. Feminist Interventions
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row G
Participants:
Donna Haraway’s Ongoing Dialogue with Marxism Katharina Hoppe, Goethe-University Frankfurt
Economy and Eros: Sexual Ideology as Cultural Technology Kirk Fiereck, University of Pennsylvania
Feminist Biohealth Hacktivism: Playing with the Materiality, Temporality, and Performativity of Laboratory Ontology Clare Jen, Denison University
WP:NP0V, WP:NOT, and Other Stories Jimmy Wales Told Me: A Feminist Critique of Wikipedia's Epistemology Amanda Menking, University of Washington; Jonathan Rosenberg, University of Washington
What happened to the Cyborg? On feminist theories of materiality Anne-Jorunn Berg, Centre for Gender Studies, University of Oslo, Norway

251. Wearables, Self-Tracking and Quantified Selves: Self-Tracking, Quantification and Data Projects
Paper Session
4:00 to 5:30 pm
Denver Hotel: Director's Row H
Participants:
Quantified Self and the other values of data Tamar Sharon, Maastricht University; Dorien Zandbergen, Leiden University, Leiden, The Netherlands
Visualized and interconnected genome: inhabitable maps and beyond Minna Ruckenstein, National Consumer Research Centre

Saturday, November 14
253. **Modernity and Its Temporal Contours**

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Director's Row J

**Participants:**
- Orkney Standard Time: Guide to the Energy Future Time Zone
  Laura Watts, IT University of Copenhagen
- Infrastructuring Time
  Geoffrey Bowker, University of California-Irvine
- Deconstructing a Grand Vision: Dismantling infrastructure on the Ocean Floor
  Stephanie Beth Steinhardt, Cornell University
- Future Valleys: An Infrastructure of Anticipation
  Kaiton Williams, Cornell University
- Acceleration and Recalibration: Managing Temporality and Sociality in South Korean Information Society
  Stephen C. Rea, University of California, Irvine
- “iCrazy”: Positioning the Self in Relation to Time
  Melissa Mazmanian, University of California, Irvine
- Modernizing Temporalities
  Phoebe Sengers, Cornell University
- Pressed for Time: Digital Technologies and the Imperative of Speed
  Judy Wajcman, London School of Economics & Political Science
- Visualizing Temporality in Biological Rhythms
  Jaime Snyder, University of Washington; Mark Matthews, Cornell University
- The Spaces of Time: Temporal Strategies for Mobile Seamlessness
  Ingrid Erickson, Rutgers University
- The Crystallization of Longitudinal Email Communication in Distributed Virtual Work
  Saritha K Sharma, Syracuse University; Matt Willis, Syracuse University; Steve Sawyer, Syracuse University; Carsten Oesterlund, Syracuse University
- Sustaining Deep Time Thinking: Longsighted Lessons From Finland’s Olkiluoto Nuclear Waste Repository Project
  Vincent Francis Ialenti, Cornell University

**Discussant:**
Steven Jackson, Cornell University

254. **Society-System Interactions**

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Governor's Square 10

**Participants:**
- Digital policy in urban contexts, Mexico City and Montreal.
  Maria de Lourdes Marquila Sánchez, Autonomous University of Mexico City
- How a social movement reconstructed the digital technology:
  Taiwán’s Sunflower Movement
  Shih Ming Wu, Tsinghua University; Zhengfeng Li, Tsinghua University
- Human-Computer Interactions at the System Level: Posthuman Law
  Sandra Braman, University of Wisconsin-Milwaukee
- The super-connected cities scheme and smart urbanism in the UK
  Francesca Menichelli, University of Cambridge
- Urban Experiments in the Gigabit City
  Burcu Baykurt, Columbia University
- Technologies, Practices and Expertise within Socio-technical Systems
  Rodrigo Ribeiro, Federal University of Minas Gerais - Brazil

255. **Rise of the Robots? Studying Robotics Beyond the Laboratory**

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Governor's Square 11

**Participants:**
- Coping with Social Contingency and Complexity in Social Robotics
  Andreas Bischof, University of Technology Chemnitz; Arne Mailbaum, University of Technology Berlin
- Installing Interfaces
  Benjamin Lipp, Technische Universität München (TUM)
- Robotics in eldercare: From technological fix to socially situated design
  Selma Sabanovic, Indiana University; Wan-Ling Chang, Indiana University; Jennifer A. Platt, Indiana University; David Hakken, School of Informatics, Indiana University Bloomington; Casey C. Bennett, Indiana University
- What is “social” in social robotics?
  Hee Rin Lee, Indiana University; Selma Sabanovic, Indiana University
- Work organization in the OR as a consequence of robotic-surgery introduction - a case study
  Maria Joao Ferreira, KIT - ITAS

256. **Experiments in Collaboration**

**Paper Session**
4:00 to 5:30 pm
Denver Hotel: Governor's Square 12

**Participants:**
  William John Lockett, NYU Media, Culture, and Communication
- Collaborative Comparisons:
  Walter Gropius and Ai Weiwei
  Wendy Cox, Norwich University
- Predicting Laughter: Metaphor & Materiality in Pandora's Comedy Genome Project
  Amy Johnson, MIT
- Staying with the trouble in a natural history museum
  Nadim, Museum fuer Naturkunde Berlin
- Swimming Upstream: collaboration, engagement, and power in interdisciplinary collaborations and public engagement projects
  Megan K Halpern, Arizona State University
258. Policing Online Identities

Paper Session
4:00 to 5:30 pm
Denver Hotel: Governor's Square 9

Participants:
- A pragmatic criminology approach to the articulation of private life on the web
  Patrick Savoie, University of Ottawa
- Avatars, Algorithms,Porno-Tropics: Carceral Prosthetics and the Policing of Child Sexual Abuse Images
  Monika Sengal-Jones, UC San Diego
- Behind usernames: Ghostwriters and the figuration of online authorship
  Monika Sengal-Jones, UC San Diego
- Configuring the Child Player: Virtual Worlds and the Politics of Children’s Technologies
  Sara M. Grimes, University of Toronto
- Mediating Difference and Deviance: Lessons Learned from Conflict Resolution in 3D Virtual Worlds
  Sybrina Atwaters, Georgia Institute of Technology

Discussant:
- Stephen Turner, University of South Florida

259. From Every Angle: Examining an active STS intervention in medical care

Paper Session
4:00 to 5:30 pm
Denver Hotel: Plaza Ballroom D

Participants:
- Introduction: Intellectual Antecedents to Current Approach
  Ellen Balka, Simon Fraser University
- Doing ‘Medications’: Praxiography to inform the coordination of medical work
  David Peddie, Simon Fraser University
- Reorganizing the ‘messiness’ of practice: Reflexive intervention into medical work
  Serena Small, Simon Fraser University
- From Informant to Actors: Discovering STS on the Job
  Chantelle Bailey, University of British Columbia

Chair:
- Katherin Badke, Vancouver Coastal Health

Discussant:
- Sonja Jerak-Zuiderent, Linköping University / Sweden

260. Techno-Legal Futures

Paper Session
4:00 to 5:30 pm
Denver Hotel: Plaza Court 1

Participants:
- In Metadata We Trust: Instrumentalizing Obligation in a Northern Forest
  Tom Ozden-Schilling, Massachusetts Institute of Technology
- Revolutionary Biology: Science, Law, and Emerging Technologies of Governance
  Ben Hurlbut, Arizona State University
- Red Scare Sociology: From State Power to Algorithmic Culture
  Sonja Jerak-Zuiderent, Linköping University / Sweden

Chair:
- Ted George Striphas, Indiana University, Bloomington
- Andrea Ballestero, Rice University
- Allison Fish, UC Davis
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 4  
Participants:  
Balancing societal expectations and technological anticipation in technology roadmaps: synthetic biology as a socio-technical trajectory  
Toni Ahlqvist, VTT Technical Research Centre of Finland; Mikko Dufva, VTT Technical Research Centre of Finland; Kaisa Oksanen, VTT Technical Research Centre of Finland; Arho Suominen, VTT Technical Research Centre of Finland  
Hermeneutic Elements in the Debate on Nanotechnology of the Past 15 Years  
Armin Grunwald, Karlsruhe Institute of Technology  
Narratives about Simulation and their Major Assumptions  
Andreas Kaminski, High Performance Computing Center Stuttgart (HLRS); Michael M. Resch, High Performance Computing Center Stuttgart (HLRS)  
Panacea or diagnostic? Hermeneutics of Innovation and the “MIT model”  
Sebastian Michael Pfotenhauer, MIT; Sheila Jasanoff, Harvard University  
What can happen? or What might come?  
Alfred Nordmann, Darmstadt Technical University  
Chairs:  
Armin Grunwald, Karlsruhe Institute of Technology  
Alfred Nordmann, Darmstadt Technical University

264. Developing Methods for Scientists  
Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 5  
Participants:  
Root cause analysis: A useful methodology for generating research hypotheses?  
Rebekah Coşkun, The University of Arizona  
Social Network Managing: a Kind of Research Methodology  
Kevin Dong, Tsinghua University

265. Ethical Concerns in Science, Engineering, and Design  
Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 6  
Participants:  
Applying Actor-Network Theory to Engineering Ethics: the Challenger Case  
Keita SUGIHARA, Nanzan University  
Forces Acting Against Robot Ethics  
marc bohlen, University at Buffalo  
Social responsible research –the case of petroleum research in Norway  
ingrid agathe bay-larsen, Nordland Research Institute  
Speculative Philosophy of Technology: Ethical, Political and Social Accountability  
William Davis, Virginia Tech  
The architecture of safety  
Aditi Verma, MIT

266. Contested Renditions of Ecological Realities II: Environmental Governance

Paper Session  
4:00 to 5:30 pm  
Denver Hotel: Plaza Court 7  
Participants:  
The statistically certain gift from God: Fishery management in Iceland  
Hrónn Brynjarsdóttir Holmer, Cornell University  
Building computer models for (environmental) policy: contested frames in scientific collaborations  
Marko Alves Monteiro, State University of Campinas  
The making and unmaking of the North/South divide at the UN environmental negotiations  
Raoni Rajão, Federal University of Minas Gerais  
Restoring natures: socio-technical arrangements, ecology(s) and agriculture(s) in the Pontal do Paranapanema/SP - Brazil  
Daniel Delatin, Universidade Federal Rural do Rio de Janeiro  
Science, perception, and river restoration ‘solutions’  
Kristan Cockerill, Appalachian State University  
Karin Patzke, Rensselaer Polytechnic Institute  
Chair:  
Claire Waterton, Centre for the Study of Environmental Change (CSEC), Department of Sociology, Lancaster University
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