2006 ANNUAL MEETING  
Society for Social Studies of Science  
November 1-5, 2006  
The Empire Landmark  
Vancouver, B.C, Canada  

“SILENCE, SUFFERING AND SURVIVAL”

This year we have two streams: New Media and Working Sessions. New Media Sessions address issues of new media through traditional and non-traditional media. Working Sessions are designed to allow more time for discussion than other 4S sessions. Each of the papers can be read in advance, at http://echo.gmu.edu/working/ Look for papers by author name, title, session number, or session title. Presenters will give only summaries of their papers, leaving as much time as possible for discussion. The working session Lunchtime roundtable by Peter Taylor has the following link for pre-reading, http://www.faculty.umb.edu/pjt/4S06.html

Dear 4S Community,

I would publicly like to thank you for your patience with the organization of this year’s conference and your strong (and growing) support of the 4S community. Thank you. In addition, this program would not have been possible without the hard work and dedication of the program committee: Deborah Blizzard, Rochester Institute of Technology; Linda Layne, Rensselaer Polytechnic Institute; Steve Sawyer, Pennsylvania State University; Elizabeth P. Shea, Northeastern University; Wes Shrum, Louisiana State University; Sergio Sismondo, Queen’s University; S. Leigh Star, Santa Clara University and Steven A. Walton, Pennsylvania State University. Thank you.

Sincerely, W.K. Bauchspies
Program Chair 4S 2006 Vancouver.

We mourn the loss of our colleague, Dr. Joanna S. Ploeger.

Dr. Joanna S. Ploeger, 39, died on July 19, 2006, in Berkeley, California. She was a frequent attendee of the 4S conference, past president of the Association for the Rhetoric of Science and Technology, and a member of the Board of Directors of the Project on the Rhetoric of Inquiry (POROI) at the University of Iowa. Her scholarship focused on the rhetoric of science, especially science at the national labs. She was a valued friend, mentor, and colleague. Her energy and enthusiasm will be sorely missed. Expressions of sympathy from her many friends might take the form of donations to an educational fund for her son, Thomas William (born on June 8, 2006). Donations can be sent to Thomas William Ploeger (care of Robert Winovich), 2702 Virginia Street, Berkeley, CA 94709.

Wednesday 1:00-3:00pm

PUBLICATIONS COMMITTEE (PAVILION 3 [E])

Wednesday 3:00-6:00PM

COUNCIL (PAVILION 3 [E])

Wednesday 2:00-5:30PM
REGISTRATION (FOYER BY THE PAVILION AND BALLROOMS)
Wednesday 6:00 – 8:15PM Pavilion Room

1976 AND ALL THAT...
Organizer: Sal Restivo, Rensselaer Polytechnic Institute
Chair: Susan Cozzens, Georgia Tech
Introduction: Susan Cozzens, Georgia Tech
The Elusive Sociological Imagination and the Pursuit of the Hard Case
Sal Restivo, Rensselaer Polytechnic Institute
'... this is not talking about science as I understand it': (Re)Directing Discussion
Marcel LaFollette, Johns Hopkins
STS and science: Where are we?
Harry Collins, Cardiff University
Postsocial
Karin Knorr Cetina, University of Chicago
Discussants: Trevor Pinch, Cornell University; Susan Cozzens, Georgia Tech; and Alondra Nelson, Yale University

Wednesday 8:30 pm – 10 pm Pavillion Room
Junior-Senior Mingling
Organizers: Gwen Ottinger, UVA; Jane Summerton, Linköping University and VTI; Jason Delborne, student rep for 6S (Student Section of 4S); Matt Harsh, student rep for 6S (Student Section of 4S)
This will be the first of two designated times to connect with your mentor/mentee for the pilot mentoring program organized by 6S (Student Section of 4S). Please note that those who have not signed up for the mentor program are still welcome to attend this opportunity for informal conversation and connections.
Thursday 8:30-10:00AM

1.1A — Producing Facts from Cases — Studying Others, Observing Ourselves

Organizers: Martina Merz, University of Lausanne and EPA St. Gallen and Mary Morgan, LSE and University of Amsterdam
Chair: Martina Merz

When ‘Facts’ Travel Free?
Mary Morgan, LSE and University of Amsterdam

Cases as a Means for Comparing and Transporting Facts Across Domains: Reasoning in Model Organism Research
Rachel Ankeny, University of Sydney

Making Statistical ‘Facts’ from Ethnographic Cases
Florence Weber, ENS-CEE, Paris

Probing a Multi-Case Studies Approach: How to Produce ‘Facts’ from Comparison in STS
Martina Merz, University of Lausanne and EMPA St. Gallen

Silencing patients: the subtle reconstruction of patienthood in primary health care practice
Kath Checkland, Ruth McDonald, Stephen Harrison, Martin Marshall and Stephen Campbell, Manchester University

1.1B — The Encounter of Reproductive Technoscience and Local Bodies in East Asia

Organizers: Chia-Ling Wu, National Taiwan University and Daiwie Fu, National Tsing-Hua University
Chair: Adele Clark, University of California at San Francisco

The Menopause Medicalized and Modernized in East Asia: the case of Taiwan
Daiwie Fu, National Tsing-Hua University

At the Back-Stage of Prenatal Care: Japanese Ob-gyns Negotiating Prenatal Diagnosis
Tsipy Ivry, University of Haifa

The Social Control of IVF technology and the Social Definition of Reproduction in Korea
Jung Ok Ha, Seoul National University

Looking Beyond a Scar: Constructing Modernity and Nature through Childbirth in Contemporary China
Jiang-Fang Zhu, University of Minnesota

Configuring the Gender Identities of Users in the Development and Decline of Donor Insemination in Taiwan
Chia-Ling Wu, National Taiwan University

Discussant: Nelly Oudshoorn, University of Twent

1.1C — Engineering Studies III

Chair: Gary Downey, Virginia Tech

Is It Science or Is It Engineering?: Struggles over Identity and Education in the Making of the New Discipline of Ecological Engineering
Sarah Hunt, University of Georgia
Defining Academic “Quality”: The Gendered Effects of Admissions Criteria in Doctoral CS and CE Programs
Holly Lord, University of Virginia
J. McGrath Cohoon, University of Virginia

Reaching for the stars? - a critical survey of approaches to systems design in engineering and their limitations
Ulrik Jørgensen, Technical University of Denmark

Drawing the line: how engineering faculty describe what “counts” as engineering
Alice Pawley, University of Wisconsin-Madison

Gender in engineering design: Continuities and Transformations in the conceptions of mechanical engineering
Tanja Paulitz, Technical University of Berlin

1.1D – COMPUTER SILENCE
Chair: Anne-Jorunn Berg, Bodø University College

Scientific Communities in Chile in the Internet Age: Dependency and Global Science
Rick Duque, Louisiana State University
Wes Shrum, Louisiana State University
Omar Barriga, Universidad de Concepcion; Guillermo Henriquez, Universidad de Concepcion

How Not to Suffer in Silence over Assaults on Speech in the Academy: Internet Activism
Deborah Gordon, Wichita State University

Digital Life Lines: Exploring the role of Information and Communication Technologies (ICTs) in regenerating isolated coastal communities
Singleton Carrie, University of Teesside
Eileen Green, University of Teesside

Technology and the Limits of Free Expression: Censorship in a Community Weblog
Robin Fletcher, Elizabeth Keating, Josh Iorio, and Patrick Williams, University of Texas at Austin

More than words...: A multimodal study of communicative interaction
Suzanne de Castell, Simon Fraser University
Jennifer Jenson, York University
Cher Hill, Mark Weiler, Fiona McKellar and Jake Stone, Simon Fraser University
Nick Taylor and Dima Svetov, York University.

1.1E – HOW CENTRAL ARE ETHICAL VALUES IN SCIENTIFIC REASONING?
Organizer: Evelyn Brister, Rochester Institute of Technology
Chair: Evelyn Brister

Ethical Judgments and Measuring Race in Epidemiology
Kristen Intemann, Montana State University

Valuing Biomedical Sciences: The Need for Scientists to Engage in Ethical Reasoning
Inmaculada de Melo-Martín, Cornell College of Medicine
Models of Mothering: High Infant Mortality and Activist Anthropology
Sharon Crasnow, Riverside Community College

Historical Range of Variability Concepts in Ecology: Value Neutrality versus Utility
Evelyn Brister, Rochester Institute of Technology

Silent Morality and Routinised Action. On the Routines of Animal Experimentation in Immunological Research
Daniel Bischur, University of Salzburg

1.1F – CHALLENGES OF PUBLIC ENGAGEMENT IN THE AGES OF GENOMICS
Organizer: Edna Einsiedel, University of Calgary
Chair: Edna Einsiedel

Dethroning ethics and social experts? Representation and legitimacy in public engagement
Michael Burgess, University of British Columbia

Genetics on stage: stimulating and assessing public engagement in the development of health policy on preimplantation genetic diagnosis
Magdalena Kazubowski-Houston, University of British Columbia
Jeff Nisker, University of Western Ontario
Susan Cox, University of British Columbia

Structure versus agency: institutional arrangements for public engagement and their limits
Edna Einsiedel, University of Calgary

The thing about politics: notes toward a theory of citizenship for technological society
Darin Barney, McGill University

Democratizing Science and Technology: How to be critical?
Yannick Barthe, Ecole des Mines de Paris,
Dominique Linhardt, Ecole des Mines de Paris

1.1G – TOWARDS THE NEW GOVERNANCE OF BIOBANKS
Organizers: Klaus Hoeyer, University of Copenhagen and Herbert Gottweis, University of Vienna
Chair: Klaus Hoeyer

Biobank Governance in Comparison: Success and Failure
Herbert Gottweis, University of Vienna

Research populations: Spotlights on biobank governance in Israel
Barbara Prainsack, University of Vienna

Biological markers: governing experimental protocols in laboratory
Andrew Webster, University of York
Lena Eriksson, University of York

Ethics as an organisational recepi
Klaus Hoeyer, University of Copenhagen

1.1H – HOW SCIENCE DEALS WITH POLICY QUESTIONS: ON SCIENCE-BASED EXPERTISE FOR POLICYMAKING, CASE STUDIES FROM THE LOWLANDS
Organizer: Stans van Egmond, Erasmus University Rotterdam
Chair: Annick de Vries, University of Twente
How uncertainties are dealt with in policy advices: differences and similarities in Dutch expert institutes
Annick de Vries, School of Business, Administration and Technology, University of Twente, the Netherlands

Caught between Economics and Epidemiology’, on boundaries between science and policy in Dutch public health
Stans van Egmond, Institute for Health Policy and Management, EMC, Erasmus University Rotterdam, The Netherlands

What do models do? Modelling science-policy boundary work
Ragna Zeiss, Faculty of Social Sciences, VU, The Netherlands

Transnational boundary work: Integrated impact assessments in the European Union
Udo Pesch, Institute for Environmental Studies, VU, the Netherlands

1.1I – TECHNOLOGIES OF TERROR, MILITARY SURVEILLANCE, AND WAR [NEW MEDIA]
Chair: Petrina Stephen, University of British Columbia

Scientific Ammunition to Fire at Congress:” Intelligence, Reparations, and the U.S. Army Air Forces, 1944-1947”
Petrina Stephen

Perverse Functionality: How TerrorTech Confounds the Neutrality of Non-humans
Daniel Caeton, California State University, Fresno

New Media Iconography and the Propagation of Semiotics as Weapons of War
Steven John Thompson, Clemson University

The Omniscient Eye: Satellite Imagery and Battlespace Awareness in Imagery Intelligence
Chad Harris, University of California, San Diego

1.1K – BRAVE NEW TECHNOLOGY - THE QUIET MOVE TOWARD HUMAN ENHANCEMENT
Organizer: Ullica Segerstrale, Illinois Institute of Technology
Chair: Ullica Segerstrale

The human person in transition: Anticipating the impact of emerging technologies in medicine
Debra Bennett-Woods, Regis University

From Silent Ugly Duckling to Svelte Techno-Swan: Weight Loss Surgery and Compulsory Biomedicalized Aesthetics
Kathryn Morgan, University of Toronto

Genius as a commodity: cognitive enhancement technology and scenarios of its social effects
Anders Sandberg, Oxford University.

Hype, hope, or horror - the public and emerging technologies
Michele Mekel, Illinois Institute of Technology

Human nature is not what it used to be: Scientific and moral/political views on human engineering
Ullica Segerstrale, Illinois Institute of Technology
1.1L – Risk Perceptions and Social Responses to Emerging Nanotechnologies

Organizers: Barbara Herr Harthorn, UC Santa Barbara and Tee Rogers-Hayden, Cardiff University
Co-Chairs: Barbara Herr Harthorn and Tee Rogers-Hayden

Risk and Responsibility: How Nanoscientists and Engineers View the Nano-enterprise
Barbara Herr Harthorn, UC-Santa Barbara
Hillary Haldane, UC-Santa Barbara
Karl Bryant, UC-Santa Barbara

Expert Judgments of Public Perceptions: How Well Do They Know their Audience?
Terre Satterfield, Univ. of British Columbia
Milind Kandlikar, Univ. of British Columbia

Deliberating Emerging Nanotechnologies in the UK and Beyond
T. Rogers-Hayden, Cardiff University
N. Pidgeon, Cardiff University

The Media Response to Nanotechnology Risk: Searching for a Frame
Bruce Bimber, UC-Santa Barbara
David Weaver, UC-Santa Barbara

Reporting the Risks of Nanotechnology in the Media
Sharon M. Friedman, Lehigh University
Brenda P. Egolf, Lehigh University

1.1M – Detailing and Disciplining: Producing the Material Elements of Natural and Social Orders

Organizers: Janet Vertesi, Cornell University and Michael Lynch, Cornell University
Chair: Janet Vertesi

Counting Things and People: the Practices and politics of counting
Aryn Martin, York University
Michael Lynch, Cornell University

Mimesis and Indexicality: An Investigation of the Topical Contexture of Graphical Recording
Robert Brain, University of British Columbia

Drawing As: Image Processing on the Mars Rover Mission
Janet Vertesi, Cornell University

Discussant: Simon Schaffer, University of Cambridge

Coffee Break: For those participating in the mentor program, please come to this coffee break to connect with your mentor/mentee in person.
Thursday 10:15-11:45AM

1.2A – **NEW REGIMES OF EVIDENCE IN BIOMEDICINE: STAGING PROOFS, MANAGING DATA**

Organizers: Alberto Cambrosio, McGill University and Peter Keating, University of Quebec
Chair: Alberto Cambrosio

Scientists and policymakers at work: Examining the governance of epistemic conversations and productions in a genetics network
P. Lehoux, University of Montreal
J-L. Denis, University of Montreal
G. Daudelin, University of Montreal

Staging proofs in biomedicine: comparing two bioclinical collectives in oncogenetics and psychiatry genetics
Pascale Bourret, Université de la Méditerranée
Vololona Rabeharisoa, Écoles des Mines

Who’s Minding the Data? Data Managers and Data Monitoring Committees in Clinical Trials
Peter Keating, University of Quebec
Alberto Cambrosio, McGill University

Tibet’s ‘Science of Healing’: Between the Defense and Transformation of a ‘Traditional’ Praxis
Sienna Craig, Dartmouth College
Discussant: Steven Epstein, University of California, San Diego

1.2B – **FEMINISMS, AFFECTS, AND DISPLACED WAYS OF KNOWING IN SCIENCE**

Organizers: Natasha Myers, MIT, María Puig de la Bellacasa, Université Libre de Bruxelles/University of California, Santa Cruz and Mary Weaver, University of California, Santa Cruz
Chair: Natasha Myers

Who cares about caring? Looking after care in scientific practices
María Puig de la Bellacasa, Université Libre de Bruxelles

Molecular Affects: Animations and Intra-animacy among Protein Modelers
Natasha Myers, MIT

Affective Materialities and Transgender Embodiments
Mary Weaver, UC Santa Cruz
Discussant: Rebecca Herzig, Bates College

1.2C – **NEO-LIBERALISM: THE HIDDEN POLITICS OF SCIENCE STUDIES?**

Organizer: Steve Fuller, University of Warwick
Chair: Steve Fuller

Neo-Liberalism: The Making of a Reactionary Modernist Project
Philip Mirowski, University of Notre Dame

From the Spirit of Capitalism to the Capital of Spiritualism: The Discovery Institute as a Neo-Liberal Institute for Our Times
Steve Fuller, University of Warwick

Mirowski's Social and Philosophy of Science
Francis Remedios, Independent Scholar
1.2D — THE SENSORY EXTENSIONS OF NASA SCIENCE: HARDWARE AND THE HUMAN

Organizer: Cynthia Schairer, University of California, San Diego
Chair: Cynthia Schairer

Astronauts are Interesting: Cyborgs, Subjects and Astrotechnics
Matthew Shindell, University of California, San Diego

Diffused Embodiment, Extended Visions: The Prosthetics of Martian Geology
Cynthia Schairer, University of California, San Diego

Touching the Void: Sensory Exploration of Interplanetary Space
Emma Johnson, University of California, San Diego

Discussant: Steven J. Dick, NASA Headquarters

1.2E NSF FUNDING OPPORTUNITIES

Organizers: Frederick Kronz, Science and Society Program, NSF
Priscilla Regan, Science and Society Program, NSF

1.2F — LAW: ABOVE AND BELOW SCIENCE

Chair: Bruce Hoffman, Ohio University

Science in the lawyer’s office: Reconsidering lawyer-expert relations in the preparation of expert reports
Gary Edmond, The University of New South Wales

Silencing [Some] Science in Law: Re-Visiting “Manufactured Uncertainty”
David Caudill, Villanova University School of Law

Metrics, Technics and “Democratization”: Democracy as Technoscience in El Salvador
Jason Cross, Duke University

Toxic Tort Litigations and its absents: Virtual Victims of Agent Orange
Tak Wesgi, McGill University

1.2G — REVEALING THE LOCAL: ENVIRONMENTAL KNOWLEDGES, INSTITUTIONS, AND IMAGINARIES

Organizer: Candis Callison, MIT
Chair: Candis Callison

Becoming Expert: American Indians, Farmers, and Environmental Conflict in Oregon
Nick Buchanan, MIT

Reframing the North: putting a face on climate change
Candis Callison, MIT

Greening the Dragon: local, traditional, and global imaginaries at work in China’s environmental governance
Erich Schienke, Pennsylvania State University

Discussant: Michael M. J. Fischer, MIT

1.2H — CONTROVERSIES LEFT AND RIGHT [WORKING SESSION]

Chair: Chikako Takeshita, University of California, Riverside

New Forms of Expertise: Civic or Neoliberal?
Melanie DuPuis, UC Santa Cruz

A Critical Look at Government Statistics on Income and Cost of Living
Hugh Peach, H. Gil Peach & Associates LLC

Science, Masculinity, and the Politics of Knowledge: The Controversy over Sperm Count Decline
Chikako Takeshita, University of California, Riverside

1.2I – VISUALIZING HIDDEN PROCESSES: HUMAN-ANIMAL WORLDS ON CAMERA [NEW MEDIA]
Organizer: Rachel Mayeri, Harvey Mudd College
Chair: Rachel Mayeri
Buffet: All You Can Eat Las Vegas
Hillevi Loven, Hunter College
Natasha Schull, Columbia University

Non-Human Primate Reality TV
Deborah Forster, University of California San Diego
Rachel Mayeri, Harvey Mudd College
Naked and Dark Sun Squeeze
Pawel Wojtasik, Independent Artist

1.2J – ASSESSMENT, CHANGE AND TRUST
Chair: Robby Berloznik, Flemish Institute for Science and Technology
Integration as an Agent of Scientific Change
John Parker, Arizona State University
An international comparison of recent technology assessment approaches: bypassing Collingridge
Rutger van Merkerk, Utrecht University
David Guston, Arizona State University
Ruud Smits, Utrecht University
Location is Everything: Definitions of Service Amongst IT Specialists at Greenpeace
Alex Sokoloff, Rensselaer Polytechnic Institute

Political Ecology on Inland Knowledge about the Vale do Açú and the Northeast Semiarid/Brazil
Fatima Teresa Branquinho, Universidade do Estado do Rio de Janeiro
Maria Aparecida Nogueira, Universidade Federal de Pernambuco

1.2K – SOUNDS, TECHNOLOGY, AND VOICES
Chair: Alexa Schriempf, Pennsylvania State University
New technologies in medicine and in education: ‘De-signing’ deaf children’s voices
Ernst Thoutenhoofd, Virtual Knowledge Studio (VKS)
“Can you hear my heart beat?” Rethinking invisibility in the context of telemedicine
Nelly Oudshoorn, University Twente
Sonic Eukaryotes: Sonocytology, Cytoplasmic Milieu, and the Temps Intérieur
Sophia Roosth, MIT

The Helen Keller Machine
Mara Mills, Harvard University

1.2L – POLICY: HEALTH AND ENERGY
Chair: Roli Varma, University of New Mexico
The Power Production Paradox: What is Stopping the Use of Alternative Energy Technologies?
   Benjamin Sovacool, Oak Ridge National Laboratory
Regulating ALARA--As Low As Reasonably Achievable? Health-Physics Practice and Profession
   Ioanna Semendeferi, Independent Scholar
Abortion, Breast Cancer, and the Politics of Closure
   April Huff, University of California, San Diego
The policy planning for Interdisciplinary research based on Mathematics
   Yuko Ito, National Institute of Science and Technology Policy
Deliberation on Dioxin Polluted Food Risk Disputes in Taiwan
   Chou Kuei Tien, National Taiwan University

1.2M – NANO UNCERTAINTIES: RISK, RECURSION AND LIMINALITY IN NEAR-FUTURE NANOTECHNOLOGIES
   Organizer: Chris Toumey, University Of South Carolina
   Chair: Chris Toumey
Risk and Recursion: Characterizing Self-organization Patterns Across IT, BT and NT for Social Analysis
   Ron Eglash, Rensselaer Polytechnic Institute
In Search of Governance: The Anthropology of Nanoparticles and the Problem of Definition
   Lina Dib, Rice University
Constructing Privacy in the Shadow of Nanotechnology
   Chris Toumey, University of South Carolina
Mad Cows and Smartcarts: Putting Nanofears and Nanobenefits in Context
   Kenneth David, Michigan State University

Thursday Lunch

ROUNDTABLE: FACULTY PANEL SPONSORED BY 6S (STUDENT SECTION OF 4S): STS CAREERS INSIDE AND OUTSIDE OF ACADEMIA
ROUNDTABLE: THE INTERNATIONAL NANOTECHNOLOGY IN SOCIETY NETWORK (INSN) (PAVILION 1 [C])

Organiser: Dr Tee Rogers-Hayden, Cardiff University
Session Abstract: The International Nanotechnology in Society Network (INSN) consists of researchers exploring the connections between society and the possible upcoming changes provided by nanotechnology research. The round-table discussion will provide an opportunity for members of the network to share and discuss the vision of the network and the groups developing collaboration priorities. Members, new members/potential members and interested persons all welcome. For further details on the network see:
http://www.nanoandsociety.com/index.htm
Arie Rip, University of Twente
Chris Newfield, UCSB.

ROUNDTABLE: HETEROGENEITY AND HERITABILITY: RESPONSES FROM SOCIOLOGY, PHILOSOPHY, AND HISTORY OF SCIENCE (FALSE CREEK 1 [H]) [WORKING SESSION]
Revisiting scientific and social debates about heritability in light of
the underrecognized implications of heterogeneity
Peter Taylor, UMass Boston
Thursday 1:30-3:15PM

1.3A — PUTTING THE HWANG CONTROVERSY INTO CONTEXT
Organizer: Sang-Hyun Kim, Harvard University
Chair: Sang-Hyun Kim

• 1:30 – 2:45 pm, Thursday, November 2, 2006: Putting the Hwang Controversy into Context (1)
  < Korean Bio-sciences/technologies in Socio-Historical Contexts >

“Building a Better Animal”: Dr. John P. Arnold and the Seoul National University’s School of Veterinary Medicine, 1954-1962
John DiMola, Princeton University

Farming against Farmers: The State and New Agricultural Technologies in South Korea, 1962-1980
Tae-Ho Kim, Seoul National University

Biotechnology, Modernization, and Nation-Building in South Korea
Sang-Hyun Kim, Harvard University

Discussant: Suzanne Moon, Colorado School of Mines and Harvey Mudd College

• 2:50 – 4:05 pm, Thursday, November 2, 2006: Putting the Hwang Controversy into Context (2)
  < Biomedical Knowledges, Practices and Discourses in South Korea >

Transformative Scientific Practice in Korea: Slow Virus, Prion, and BSE-resistant Cow
Kiheung Kim, University College London

The Traffic in Eggs: Cultural Construction of Ova “Donation” Practice in Korea
Young-Gyung Paik, Johns Hopkins University

Representation of Korean Women’s Bodies in Biomedical Technologies: From Birth Control to Stem Cell Research
Yeonbo Jeong, University of Minnesota, Twin Cities

Discussant: Joan Fujimura, University of Wisconsin, Madison

• 4:10 – 5:30 pm, Thursday, November 2, 2006: Putting the Hwang Controversy into Context (3)
  < Politics of Stem Cell Research in South Korea >

Policy Discourses and Stem Cell Research: Comparing German and Korean Debates
Kwang-Jin Jung, University of Bielefeld, Germany

Explaining Hwang-gate: Biotechnology Governance in South Korea
Byoungsoo Kim, Korea University
Herbert Gottweis, University of Vienna

Hwang-gate: Rescuing Scientific Hope from a PR Disaster
Jenny Kitzinger, Cardiff University
Joan Haran, Cardiff University

Discussant: Charis Thompson, University of California, Berkeley

1.3B — ENGINEERING STUDIES I
Organizers: Atsushi Akera, RPI; Gary Downey, Virginia Tech; and Michele Jackson, University of Colorado (affiliated with the International Network for Engineering Studies)
Thursday 1:30-3:15PM

Chair: Atsushi Akera

**Engineering Preparation and the Exceptional Woman Reconsidered**
Lisa McLoughlin, Greenfield Community College

**Autonomy and Learning among Software Specialists in Malaysia and Norway**
Vivian A. Lagesen, Norwegian University of Science and Technology

**Selecting for Geeks: Science Education and the Creation of the Engineering Nerd Stereotype**
Mark Clark, Oregon Institute of Technology

**Engineering China: National Technology and Contemporary Identity**
Thomas Bigley, Virginia Tech

**Theorizing Identity in Engineering Learning Settings - A Sociocultural Take**
Karen L. Tonso, Wayne State University

**Evolving Knowledge or Why Engineering Studies is Important.**
Joseph Pitt, Virginia Tech

1.3C — **MESSY SHAPES OF KNOWLEDGE I**

Organizer: Anne Beaulieu, Virtual Knowledge Studio
Chair: Anne Beaulieu

**Studies of the Web: Empowered by WebArchivist?**
Kirsten Foot, University of Washington
Steve Schneider, SUNY Institute of Technology at Utica/Rome

**Lab studies and e-science: a challenge to existing practices and traditions in STS?**
Anne Beaulieu, Virtual Knowledge Studio

**Controversial References – the socio-semiotics of e-research in literary studies**
Paul Wouters, Virtual Knowledge Studio

**Computer-aided hermeneutics: A proposal for preserving new media**
Jean-François Blanchette, UCLA

Discussant: Wiebe Bijker, Maastricht University

1.3D — **GENETICS AND STEM CELLS**

Chair: Alondra Nelson, Yale University

**Three Blind Mice Trials: Replication in Behavioral Genetics**
Nicole Nelson, Cornell University

**The mass mobilization in science: the case of Korean stem cell research scandal**
Bang-Ook Jun, Kangnung National University
Manjae Kim, Kangnung National University

**The biopolitics of college-level virtual research collectives: the case of stem cell research**
Renee Fountain, University Laval

**Regenerative Medicine and Health Movements**
Robin Downey, University of Calgary

1.3E — **SCIENCE, TECHNOLOGY AND SOCIETY RESEARCH IN ACTION: THE CHALLENGES OF BRINGING STS RESEARCH TO ACTION IN HEALTH CARE AND CORPORATE SETTINGS**
Organizer: Ellen Balka, Simon Fraser University
Chair: Ellen Balka
Making a difference with STS? The trials and tribulations of trying to make change through corporate engagement.
Ellen Balka, Simon Fraser University & Vancouver Coastal Health

Natural Bridges Across the Researcher-Practitioner Divide
Janet Joy, Vancouver Coastal Health

Research, corporate power and gender: An example from corporate IST research
Ina Wagner, Vienna University of Technology
Hilda Tellioglu, Vienna University of Technology

1.3F – SCIENCE STUDIES, INFECTION DISEASE AND EMERGENT FORMATIONS AND FORMULATIONS OF SECURITY
Organizer: Dale Rose, University of California, San Francisco
Chair: Andrew Lakoff, University of California, San Diego

Inducement to Action: Avian Influenza in Anthropological Perspective
Carlo Caduff, University of California, Berkeley

Reflections on Smallpox and the Smallpox Vaccination Program of 2002-2003: How the US Organized Around a Problem That Did and Did Not Exist
Dale A. Rose, University of California, San Francisco

Security Ruptures: Syndromic Surveillance in United States

Biosecurity Planning
Lyle Fearnley

Encoding infected futures: early warning systems and disease
Brian Lindseth, University of California, San Diego

Discussants: Nicolas B. King, Case Western Reserve University and Stephen J. Collier, The New School

1.3G – IT'S ONLY A GAME: WHAT CAN SOCIAL SCIENCE LEARN FROM THE STUDY OF VIDEO AND COMPUTER GAMES?
Organizers: Rebecca Carlson, Temple University and Patricia G. Lange, San José State University
Chair: Rebecca Carlson

Studying Online Games and Learning Real Life Lessons
Patricia G. Lange, San José State University

“They are Nubians from the Nub Islands in the United States of Nub”: Feigning Knowledge in the World of Warcraft
Michele Stander, Temple University

Playing Hardware Games: Video Game Development as Heterogeneous Engineering
Casey O'Donnell, Rensselaer Polytechnic Institute

Turning Japanese: Video Game Fandom, Transnationalism, and the Production of Expertise
Rebecca Carlson, Temple University

Not Just a Game: The Development of “America’s Army” as an Entertainment Medium and Recruitment Tool
Robertson L Allen, University of Washington
Localizing Play
Jonathan Corliss, Columbia University

1.3H – PROBING EAST ASIA: SCIENCE AND MEDICINE IN TRANSNATIONAL/POST-COLONIAL CONTEXTS [WORKING SESSION]
Organizers: EunJeong Ma, Cornell University, Kuo, Wen-Hua, Visiting scholar, S&TS, MIT
Chair: EunJeong Ma, Cornell University
Asylums and Psychiatric Treatments in Colonial Taiwan, 1890s-1930s
Shigeo Kato, Waseda University, Japan
Global Science and Local Workers: The Development of Biotechnology
Sung, Wen-Ching, University of Toronto
Voices on the bridge: Monitoring Taiwan’s engagement with bioglobalization
Wen-Hua Kuo, Center for General Education/Institute of Public Health and Department of Social Medicine National Yang-Ming University
Violence or Progress: (Re) Configuring Medical Knowledge in Postcolonial Korea
EunJeong Ma, Cornell University
Discussant: Warwick Anderson, University of Wisconsin-Madison

1.3I – RACE/GENDER/ETHNICITY/AGE IN TECHNOLOGIES OF POPULAR CULTURE [NEW MEDIA]
Chair: Catharina Landstrom, Göteborg University
The social shaping of television in old age
Britt Östlund, Lund University, Sweden
Making Tracks in Pursuit of the “Wild”: Technology and Resistance on a (Com)modified African Savanna
Wairimu Njambi, Florida Atlantic University
William O’Brien, Florida Atlantic University
The Silent “S” of the Spanish Option: Cultural Illiteracy in Language Technology Design and Implementation
Ramón Solórzano Jr., University of Massachusetts, Amherst

1.3J – SILENCE AND THE CITIZEN: PUBLIC VOICES AND EXPERT VIEWS
Organizer: Robert Evans, Cardiff School of Social Sciences
Chair: Robert Evans
Involvement and influence: publics and experts in dialogue about the lifesciences
Sarah Cunningham-Burley, University of Edinburgh
Understanding Public Voices and Expert Views: The Sociology of Translation
Annemiek Nelis, University of Amsterdam
Gerard de Vries, University of Amsterdam
Participatory decision making mechanisms in Israeli alternative communities
Ayala Cnaan, Rensselaer Polytechnic Institute
Talking Treatments: Lay and Expert Deliberations About Diabetes
Inna Kotchekova, Susanne Langer and Robert Evans, Cardiff School of Social Sciences

The ironic voices of the public who were silent and mobilized: The public understanding of science as viewed through the ‘Hwang Scandal’ in Korea

Sungwoo Ahn, Virginia Tech

How people understand the mechanism and effects of the climate change?

Midori Aoyagi-Usui National Institute for Environmental Studies

1.3K – BIASED EXPERTS VERSUS PLAIN FACTS

Organizers: Marcel Boumans, University of Amsterdam, Mary S. Morgan, London School Economics, UK

Chair: Theodore M. Porter, University of California, Los Angeles

Evidence and Expert Bias: Regulatory Peer Review Procedures Under Conflicting Interests

Justus Lentsch, Institute for Science & Technology Studies (IWT), Bielefeld University

The Role of Expert Judgement in Evidence-Based Policy: Analysing the CPI Controversy

Julian Reiss, Complutense University, Madrid, Spain

Battle in the practice: Biased experts versus normative statisticians

Marcel Boumans, University of Amsterdam, Netherlands

Political Centrality and Scientific Credibility

Anat Leibler, UCSD

Patriotism for the Workers: Clashing Cultures of Quantification

Gail Cooper, Lehigh University

Discussant: Theodore M. Porter, University of California, Los Angeles

1.3L – MODELS AND SIMULATIONS: VEHICLES FOR TRAVELLING ‘FACTS’

Organizer: Erika Mattila, London School of Economics and Political Science

Chair: Martina Merz, University of Lausanne

Understanding Facts across Scientific Communities

Sabina Leonelli, Free University of Amsterdam

Movement in and between the Layers of Credibility: Case of Infectious Disease Models

Erika Mattila, London School of Economics

Reconstructing versus Simulating

Andrea Loettgers, Harvey Mudd College

Is it all about adaptation? On the dissemination of Self-Organising Maps

Tarja Knuuttila, University of Helsinki

Timo Honkela, Helsinki University of Technology

Subjects to Objects: The Politics of Imaging Technologies in Clinical Practice

Martyn Pickersgill, University of Nottingham

Model geographies: the US military-industrial-academic complex takes over the world (1940-1960)
Trevor Barnes, University of British Columbia

1.3M – The Silent Treatment – How Patients, Parents and Practitioners Are Selectively Silenced in Mental Health Encounters

Organizer: Noah Feinstein, Stanford University
Chair: Noah Feinstein

Cultural Dyscompetency: Race, History, and the lessons of Schizophrenia
Jonathan Metzl, University of Michigan

Forget what you remember: Life coaching and new discourses on memory, repression and psychopathology
Esra Ozkan, Massachusetts Institute of Technology

The Transformation of Narrative and Self in the Antidepressant Era
Jeffrey Stepnisky, Wilfrid Laurier University

Silenced by science? Parents of autistic children finding their voice
Noah Feinstein, Stanford University

The Voices of Autism Spectrum Disorder
Jennifer Singh, Stanford University/University of California, San Francisco

Discussant: Chloe Silverman, Pennsylvania State University
Thursday 3:30-5:30PM

1.4A — PUTTING THE HWANG CONTROVERSY INTO CONTEXT (CONTINUED)
see session 1.3A

1.4B — ENGINEERING STUDIES II
Organizers: Gary Downey, Virginia Tech and Knut Sørensen, Norwegian University of Science and Technology (affiliated with the International Network for Engineering Studies)
Chair: Tanya Paulitz, Technical University of Berlin

New Interactional expertise
Eva Amdahl, NTNU/Norwegian University of Science and Technology
Kristin Lofthus Hope, Rokkansenteret

Cultural Construction of Attitudes toward Teamwork in Student Engineering
Paul M. Leonardi, Stanford University
Michele H. Jackson, University of Colorado
William M. Waite, University of Colorado
Amer Diwan, University of Colorado

Overlooked Spaces and Power of Silence: Women in Engineering
Sreelekha Nair, Centre for Women’s Development Studies, New Delhi

Quantity versus Quality: Ideologies of Home-Work Balance among Software Specialists in Malaysia and Norway
Birgit Nestvold, Norwegian University of Science and Technology

Educational Simulation and Pedagogies of Engagement:
Encouraging the Academic Transition of First Year Engineering Students
Atsushi Akera, Rensselaer Polytechnic Institute
Pamela Theroux, Rensselaer Polytechnic Institute

Critical Participation and Scalable Theory in Engineering Education
Gary Downey, Virginia Tech

Toward a New Performance of Professionalism?
Knut H. Sørensen, Norwegian University of Science and Technology

1.4C — MESSY SHAPES OF KNOWLEDGE II
Organizer: Anne Beaulieu, Virtual Knowledge Studio
Chair: Anne Beaulieu

Webometrics for Social Science and Humanities Researchers
Andrea Schamhorst, Virtual Knowledge Studio
Mike Thelwall University of Wolverhampton

The Rise of Search, and its Implications for Research and Education
Josh Greenberg, George Mason University

Messin’ with Knowledge Economies: The Open Access Movement and STS
John Willinsky, UBC

Knots in the Web: Silent spaces in the architecture of the Information Society
Charles van den Heuvel Virtual Knowledge Studio

Making Science Public
Timothy Lenoir, Duke University

Discussant: Sally Wyatt, Virtual Knowledge Studio
1.4D—Military, Nuclear, Space
Chair: Steven A. Walton, Pennsylvania State University
Repairing the Nuclear Stockpile: Aging Technology, Tacit Knowledge, and the Future of the Nuclear Weapons Complex
Benjamin Sims, Los Alamos National Laboratory; Christopher Henke, Colgate University
“The Death of Air”: Silence, Suffering, and the American Strategic Bombing Campaign in World War II
David Smith, Pennsylvania State University
Lasers in Space: Science Fiction or Scientific Conclusion?
Zachary Zwalid, UC Berkeley
Sean Lawson, Rensselaer Polytechnic Institute
Elitist Language in Physics: The Self-Image of Physics
Stuart Mawler, Virginia Tech
Coordinating and Adjusting Astronomical Practices: The ‘Carte du Ciel’ Undertaking at the Turn of the 20th Century
Lamy Jérôme, Observatoire de Paris
The maintenance of invisible work on NASA’s Mars Exploration Rovers mission
Zara Mirmalek University of California, San Diego

1.4E—Interconnections of STS and Surveillance Studies
Organizers: Jason Pridmore, Queens University and Martin French, Queen’s University
Chair: Jason Pridmore
Marketing the Beast: Surveillance and the Apocalypse
Torin Monahan, Arizona State University
Surveillance and Consumption: Adaptations of New Consumer technologies and patterns of consumption as social praxis - A historical view
Nils Zurawski, University of Hamburg
Shaping Surveillance Technology: The Mutual Construction of Monitoring
Jason Pridmore, Queen’s University
Lynsey Dubbeld, University of Twente
Surveillance Silencing Students?
Richard Smith, Simon Fraser University
Urban Youth Resistance to Surveillance
Jen Weiss, The Graduate Center, City University of New York
Silent Technique: Surveillance and the Manufacturing of Conformance at the Sungei Buloh Leper Settlement in British Malaya
Choon-Lee Chai, University of Saskatchewan
Surveillance and the disciplining of STS
Martin French, Queen’s University

1.4F—Universities, Grants and Research
Chair: Roli Varma, University of New Mexico
Silencing in the Grant Approval Process at the Swiss National Science Foundation. Part I
Martin Reinhart, and Daniel Sirtes, University of Basel

Silencing in the Grant Approval Process at the Swiss National Science Foundation. Part II
Daniel Sirtes, and Martin Reinhart, University of Basel,

Research Centers in the Contemporary Academic Landscape: Leadership, Collaboration, Interdisciplinarity and Productivity of a Fluid Institutional Form
Juan Rogers, Georgia Tech

Mixed Messages and Missing Women: Graduate Attrition in Science and Engineering
Mary Wyer, North Carolina State University

Economics and social studies of scientific research and organizations: nature and origins
Mario Cocca, National Research Council of Italy & Max-Planck Institute of Economics

Jason Owen-Smith, University of Michigan

The Tenure System in Engineering
Roli Varma, University of New Mexico

1.4G – NEW ETHNOGRAPHIES OF NANOTECHNOLOGY
Organizers: David Guston, Arizona State University and Vivian Weil, Illinois Institute of Technology
Chair: David Guston

Technoscience for the Citizen: A Nanoscience Laboratory and the British State
Rob Doubleday, Cambridge University

Reflecting on the Shape of Nanotechnology Research from Within
Erik Fischer, University of Colorado, Boulder

Becoming one of them? STS in action at a nanocentre
Ana Viseu, University of Toronto

Ethics While You Wait: Discussions at a Nanotech Core Facility
Julio Tuma, University of Chicago

Images and the National Cancer Institute’s quest to end “suffering and death from cancer by 2015” using nanotechnologies
Kathryn Vignone, Cornell University

Knowledge, Identity, Practice – Collaboratively Shaping Nanotechnology
Dave Conz, Arizona State University

Discussants: Rosalyn Berne, University of Virginia, Vivian Weil, Illinois Institute of Technology and David Guston, Arizona State University

1.4H – TECHNOLOGICAL REGULATION AND SUBVERSION: OPPOSING STRUCTURES AND VISIONS OF ‘USE’ IN THE INTELLECTUAL PROPERTY DEBATES [WORKING SESSION]
Organizer: Hector Postigo, Rensselaer Polytechnic Institute
The Users Fight Back: Comparing Cases of User Modification of, or Resistance to, Technological Protection Measure Based Regimes
Kristin R. Eschenfelder, University of Wisconsin-Madison

The Subversion of Digital Copyright Through Technological Means: The Case of iTunes
H. R. Postigo, Dept. Communication, University of Utah

Copyright Contraband
Eddan Katz, Information Society Project, Yale School of Law

When Users Create: Constructing Communities of Interest to Redefine and Resist
Tina Piper, McGill Faculty of Law

‘Killing the Intellectual Properties’: Managers of Biological Data in Africa
Abena Dove Osseo-Asare University of CA- Berkeley

Discussant: Tarleton Gillespie, Cornell University

1.4I – Sociality and Selves [NEW MEDIA]
Chair: Nancy Van House, University of California, Berkeley

New ways to socialize: the life and times of LiveJournal
David Gibson, IBM Almaden Research Center

Taking a Walk in a Virtual World: The Value of Second Life
Jonathan Stern, UCSD, Department of Sociology

Practices to stop silence through artefacts: The co-construction of mp3 technologies and their users
Paolo Magaudda, University of Padova (Italy)

The Social Life of Personal Photos: New Media, New Meanings
Nancy Van House, University of California, Berkeley

Technology, gender and sexuality in popular culture
Catharina Landström, Göteborg University

1.4J – Medicine and the Real World
Chair: Deborah Blizzard, Rochester Institute of Technology

Psychiatry’s Wayward Members: Did Prefrontal Leucotomy “Cause” the Writing of the Diagnostic and Statistical Manual (DSM-I, 1952)?
Christopher Canning, Queen’s University

Mental Illness in the Workplace: Technologies, Strategies, Assemblage
Mary Ellen Purkis, University of Victoria
Katherine Teghtsoonian, University of Victoria

Epilepsy, Neuroscience and Invisible Referents
Deirdre Leahy, Lancaster University

Pragmatism and Popular Genetics: Re-Excavating Foundations of Historical and Social Studies of Science, 1920s-1930s
Doug Russell, Curtin University of Technology

1.4K – The Will of Science and Technology in States of Decay
Organizer: Arthur Mason, Arizona State University/UC Berkeley
Chair: Arthur Mason

Legislative Decay on an Arctic Energy Transmission Program
Arthur Mason, Arizona State University

**Composting the Archives: The Case for Digital Decay**
Ryan Shaw, University of California, Berkeley

**Decaying into the Global: Construction, Decay and Re-configuration of Brazilian Computer Industry**
Yuri Takhteyev, University of California, Berkeley

**Information & Communication System Challenges for Responding to Crises**
Megan Finn, University of California, Berkeley

**1.4M — GENDER ACROSS THE BOARD**
Chair: Jennifer Croissant, University of Arizona

**Critical Engagement with Science-Related Texts in a Breastfeeding Information, Support, and Advocacy Community of Practice**
Pamela Lottero-Perdue, Towson University

**Creating Space, Creating Futures: Women’s Identity Production through Bidirectional Community Radio**
Revi Sterling, University of Colorado at Boulder
John K. Bennett, University of Colorado at Boulder

**Theorizing the Fungal Body: Gender, Sexuality, and the Diagnosis and Treatment of Candida Overgrowth**
Kelly Joyce, College of William and Mary
Shashwat Pandhi, Virginia Commonwealth University

**With the Internet, Everybody Is a Setter: Male Computer Programmers’ Narratives about Sitting and Pain**
Michele White, Tulane University

**Gender Talking Risk: Discourse, Vulnerability and Threat**
Nick Pidgeon, Cardiff University
Karen Henwood, Cardiff University

**If There are No Batterers, Where Does All the Abuse Come From? Gender Ideology, Domestic Violence, and the Web**
Anna Martinson, Indiana University

**Thursday Evening**
7:00-8:30pm Reception with HSS&PSA at the Hyatt Regency
Friday

7:15-8:15am STHV EDITORIAL BOARD MEETING (PAVILION 1[C])

Friday 8:30-10:00AM

2.1A – SILENCE IN THE DIGITAL LIBRARY: WHY ARE THE USERS SO QUIET?
Organizer: Charlotte Linde, NASA
Chair: Charlotte Linde

Archive Stories
Geoffrey Bowker, Santa Clara University
Capturing habitat ecology in reusable forms: A case study with embedded networked sensor technology
Christine L. Borgman, UCLA; and Jillian Wallis, UCLA

A Twisty Maze of Little Wikis, All Alike
Michael Khoo, National Science Digital Library

Voices, Stories, and Silences in the Work of Archives
Katherine Nielsen, Graduate University for Advanced Studies, Japan

Remembering the Moon: Memory Issues in NASA’s Lunar Return
Charlotte Linde, NASA Ames Research Center

Lost in Translation: digital migration, emulation and normalization in national archives
Martin Hand, Queen’s University

2.1B – AUTHOR MEETS CRITICS: RACE TO THE FINISH: IDENTITY AND GOVERNANCE IN AN AGE OF GENOMICS BY JENNY REARDON (PRINCETON UNIVERSITY PRESS, 2004)
Organizer: Kelly Moore, University of Cincinnati
Discussants: Steven Epstein, University of California-San Diego; Duana Fullwiley, Harvard University; Donna Haraway, University of California-Santa Cruz; Kimberly Tallbear, Arizona State University

2.1C – SILENCE AND SECRECY: RHETORICAL PERSPECTIVES ON THINGS SCIENCE CAN’T SAY
Organizers: Joan Leach, University of Queensland; Greg Wilson.
Rhetorician
Chair: Joan Leach, University of Queensland

Framing Secrets: A Study in the Rhetoric Surrounding Negotiation of Secrecy
Karen Taylor, Tulane University

Cytogenetics: The Silent Step-Child of the Biological Sciences
Erin Wais, University of Minnesota

The Construction of an Audience for Secret Science
Greg Wilson, Los Alamos National Laboratory.

2.1D – STS INTERVENTIONS INTO SCIENTIFIC AND TECHNICAL PRACTICE
Organizers: Matthew Francisco, Rensselaer Polytechnic Institute and Selma Sabanovic, Rensselaer Polytechnic Institute
Chair: Selma Sabanovic
Papers can be viewed at:
http://www.rpi.edu/~sabans/intervention.html
The Scientists’ Image Makers: A potential level of manipulation in constructing technoscience  
Matthew Francisco, Rensselaer Polytechnic Institute

Where the rubber meets the road: Data system validation as STS intervention  
Ryan Miller, Mathematica Policy Research, Inc

Turning science inside out: STS as a resource for scientists practicing biotechnology  
Lisa Weasel, Portland State University

Let’s get this started: Entrepreneurship as intervention in STS  
Ragna Zeiss, Vrije Universiteit Amsterdam; Tom Hope, Research Institute of Science and Technology for Society (RISTEX)  
Yuwei Lin, ESRC National Centre for e-Social Science

Reconfiguring Oncology Care; Interventions in a national ‘quality collaborative’ and the creation of a Dutch healthcare market  
Teun Zuiderent-Jerak, University Medical Center Rotterdam

Discussant: TBA

2.1E – STS Engaged: Personal Narratives of STS in Everyday Life

Organizers: Wyatt Galusky, SUNY-Morrisville and Benjamin R. Cohen, University of Virginia
Chair: Wyatt Galusky

I am What I Eat?: Technologies of Food Production, Domestication, and Me  
Wyatt Galusky, SUNY-Morrisville

Encountering Birth: Reflections on Expertise, Networks, and My STS Self  
Saul Halfon, Virginia Tech

Reflections of an Unrepentant Plastiphobe  
Jody Roberts, Chemical Heritage Foundation

Accidental Activists: Information, Objectivity and the Struggle for Civic Credibility  
Dana Walker, University of Michigan

2.1F – Boundary Work

Chair: Matthew Harsh, University of Edinburgh

Insiders and outsiders: Non-governmental organisations and biotechnology in Kenya  
Matthew Harsh, University of Edinburgh

Man-better-man: the politics of disappearance in Caribbean folk medicine  
Cheryl Lans, University of Victoria

Contested findings? An analysis of responses to CAM-articles in core medical journals  
Jenny-Ann Brodin Danell, Umea University  
Rickard Danell, Umea University

Giving volunteers a voice in research: or what makes a collaborator?  
Norma Morris, University College London

Governing patient safety: the case of patient handling  
Roland Bal, Dept. of Health Policy and Management, Erasmus MC
Loes van Donkelaar, De Stromen
Absences of Science in Media Discourse about Global Climate Change
John Sonnett, University of Arizona
Between Transpareancy and Borders. The Practice of Operation-Support (OPS) Rooms
Berit Moltu, NTNU

2.1G – OPTIMIZING PERFORMANCE IN THE FACE OF NATURE: SOLDIERS, CIVILIANS AND PRODUCTIVITY CULTURE
Organizers: Gregg Mitman, University of Wisconsin-Madison and Linda F. Hogle, University of Wisconsin-Madison
Chair: Gregg Mittman
The Drug that Makes Soldiers Good Sailors Will Soon Be Working for You! Antihistamines and the Culture of Performance in Cold War America
Gregg Mitman, University of Wisconsin-Madison
Preventing Humans from Becoming the Weakest Link in the Military: Regenerative Medicine and the Warfighter
Linda F. Hogle, University of Wisconsin-Madison
Technics of Trauma: Psychopower, Psychopharmacology and the US Military
Jackie Orr, Syracuse University
Brain Repair and Neural Enhancement
Jason Robert, Arizona State University

2.1H – STEM CELLS, BETWEEN BANKING AND CIRCULATION [WORKING SESSION]
Organizer: Vincent-Antonin Lepinay, Columbia University
Chair: Vincent-Antonin Lepinay
The body-at-a-distance. Individualized stem cell banking
Vincent-Antonin Lepinay, Columbia University
Organisational Survival, Immortal Cell Lines: Embodiment, Space and Representation in the UK Stem Cell Bank
Neil Stephens, ESRC Centre for Economic and Social Aspects of Genomics (CESAgen), Cardiff University School of Social Sciences
Impure Bioethics: The Discursive Politics of American Bioethicists in the Human Embryo and Stem Cell Debate
Eun-sung Kim, Rensselaer Polytechnic Institute

2.1I – TECHNOLOGIES OF CITIZEN ACTIVISM AND DEMOCRACY [NEW MEDIA]
Chair: Karen Cronin, Victoria University of Wellington, New Zealand
Seeing is Believing: Visualization in Eco-Democracy
Roopali Phadke, Macalester College
Performing the future of Ubiquitous computing as a grammar of design: silences, constraints, and unintended consequences
Lonny J Brooks, California State University, East Bay
Issues mapping: exploring hidden landscapes in the genetic engineering debate
Karen Cronin, Victoria University of Wellington, New Zealand
2.1J – EXPERIMENTS IN INTERDISCIPLINARITY AND HUMANITARIAN ENGINEERING

Organizers: Nancy Tuana Pennsylvania State University; Carl Mitcham, Colorado School of Mines; and Robert Frodeman, University of North Texas
Chair: Carl Mitcham Colorado School of Mines

Prospects and Problems in a Linking Engineering Design to the Public Good
Ned Woodhouse, Rensselaer Polytechnic Institute

Peace Engineering and Personalist Projects
Aarne Veslind, Bucknell University

Discussants: Robert Frodeman, University of North Texas; Carl Mitcham Colorado School of Mines; Dean Nieusma, University of Virginia; and Dennis B. Warner, Catholic Relief Services

2.1K – CONTESTED ILLNESSES: AMBIVALENCE AND ADVOCACY IN THE AGE OF TECHNOLOGY

Organizers: Gabriella Coleman, University of Alberta; Chloe Silverman, Penn State; Alex Choby, UCSF/Berkeley,
Chair: Kathy Teghtsoonian, University of Victoria

Contesting Causes: Becoming a Biological Sentinel
Sara Wylie, MIT

“Love is a technique as well as an emotion”: Parents as Experts in Autism Research
Chloe Silverman, Penn State

Psychiatric Survivors and the Politics of Rationality
Gabriella Coleman, University of Alberta

Managing Contestation in the Clinic: The Politics of Diagnosing Non-Epileptic Seizures (NES)
Alexandra Choby, UCSF and UC Berkeley,

Discussant: Pamela Moss, University of Victoria

2.1L – CLONING TRUTH CLAIMS: IMAGINATIVE INVESTMENT IN NARRATIVES OF TECHNOSCIENCE

Organizer: Joan Haran, Cardiff University
Chair: Joan Haran

Making Science in the Media: Crafting Facts and Fictions
Maureen McNeil, Lancaster University

Human Reproductive Cloning in the ‘Real’ World: Panos Zavos, Clonaid and Online Marketing of Technscientific Fraud
Joan Haran, Cardiff University

Human Reproductive Cloning at the Godsend Institute: Circulating narratives, scientific literacy, and truth claims
Kate O’Riordan, Lancaster University and University of Sussex

Hwang-gate: From scientific frontier to scientific fraud?
Jenny Kitzinger, Cardiff University

Saving Face: Accounts of Face Transplantation
Heather Laine, Talley Vanderbilt University

Chair: Darrin Durant, York University

**Mapping transboundary flows of electronic waste**
Joshua Lepawsky Memorial University

**Risk as a Silencing Technique: the Effects of Nuclear Discourse on Aboriginal Peoples in Canada**
Anna Stanley, University of Guelph

**The Political Ecology of Radioactive Waste: the Suppression of People and Particles in Canada’s Disposal Program**
Darrin Durant, York University

**Trash Talk: A Case Study of Landfill Construction**
Paol Hadden, University of Regina

**Discussant: Genevieve Fuji Johnson, l’Université de Montréal**
Friday 10:15-11:45AM

2.2A – ACCOUNTING FOR SUFFERING: REPRESENTING AND MANAGING CANCER TREATMENT IN THE 20TH-CENTURY US AND UK
Organizers: Elizabeth Toon, University of Manchester and Carsten Timmermann, University of Manchester
Chair: Susan Lindee, University of Pennsylvania

Striking, Remarkable, and Occasionally Gratifying: Representing the Results of Breast Cancer Treatment
Elizabeth Toon, University of Manchester

Representations of Suffering and Survival in Cancer Clinical Trials
Gerald Kutcher, Binghamton University

‘Why Don’t We Let Them Die at Home?’: Silence, Suffering, and End-of-Life Care for Children with Cancer
Gretchen Krueger, Johns Hopkins University

Surgery, Selection and Survival: Improving Outcomes in the Treatment of Lung Cancer
Carsten Timmermann, University of Manchester

Disscussant: Susan Lindee, University of Pennsylvania

2.2B – MATTERS OF PLACE: GEOGRAPHY, TRAVEL, AND THE (POST)COLONIAL IN TECHNOSCIENCE
Organizer: Gabrielle Hecht, University of Michigan
Chair: Gabrielle Hecht

From Land-mass to Techno-territoriality: Engine Science and Colonial State Formation
Patrick Carroll, University of California-Davis

Science, Territoriality, and Moral Peril in the Pacific
Warwick Anderson, University of Wisconsin-Madison

Indonesian Physicians, Universalist Values, Nationalism, and Independence
Hans Pols, University of Sydney

Gabrielle Hecht, University of Michigan

2.2C – RHETORICAL USES OF SILENCE IN HEALTH AND MEDICAL SETTINGS
Organizer: Judy Segal, University of British Columbia
Chair: Judy Segal

The Patient and the Masses: Mass-talk in Clinical Research
Joan Leach, University of Queensland

Systemic Silences: Genre and the Limits of Knowledge and Evidence in Medical Research
Colleen Derkatch, University of British Columbia

Unopened Books: Methodological Barriers to the Evaluation of Bibliotherapeutic Literature
Deborah Dysart-Gale, Concordia University

Illicit Narratives and the Maintenance of Ignorance
Judy Segal, University of British Columbia

Telling It Differently: Risk Communication in Medical and Midwifery Discourses of Pregnancy
Philippa Spoel, Laurentian University

2.2D – STS INTERVENTIONS INTO SCIENTIFIC AND TECHNICAL PRACTICE
Organizers: Selma Sabanovic, and, Rensselaer Polytechnic Institute
Chair: Matthew Francisco
Papers can be viewed at: http://www.rpi.edu/~sabans/intervention.html

Maintaining classifications of fMRI expertise
Rachel Dowty, Rensselaer Polytechnic Institute

There and Back Again: Traversing the boundaries between science studies and social robotics
Selma Sabanovic, Rensselaer Polytechnic Institute

Reconstructing affect in affective computing
Pheobe Sengers, Cornell University

Values & pragmatic action: The challenges of engagement with technical design communities
Michael Zimmer, New York University

Discussant: Gary Downey, Virginia Tech

2.2E – THE SCIENCES OF EMOTIONS
Organizer: Rosa Medina-Domenech, University of Granada-Spain
Chair: Rosa Medina-Domenech

A Storm of Mind: The Sublime in Mary Shelley’s Frankenstein
Terence H.W Shih, University of Edinburgh

Finding the Self in Affective Computing
Joseph Kaye, Microsoft Research

Imaging the Brain – Finding Emotion
Claudia Wassman, University of Chicago

Sciences of love in Spain.
Rosa Medina-Domenech, University of Granada-Spain

2.2F – SILENCES: ABSENT AND PRESENT
Chair: Jennifer Croissant, University of Arizona

Where am I? The silenced human in a social network
Tom Hope, National Institute of Advanced Industrial Science and Technology

The Silenced Individual in STS
Ernst Schraube, Roskilde University

Languages of silence, languages of voice: Scientific and other discourses and the construction of disability
Ursula Naue, University of Vienna

Making the absent present
Morgan Meyer, University of Sheffield

Organizer: Thomas Haigh, University of Wisconsin, Milwaukee
Chair: Thomas Haigh

White Heat in the Office: Clerical Automation in Britain
Marie Hicks, Duke University

Feeding the Bureaucracy: Technology for a Government of Advisors in Chile
Eden Medina, Indiana University
Computers for the Masses: Edmund Berkeley and Social Responsibilities of Computer Development
Bernadette Longo, University of Minnesota
Cold War Think Tanks and the Culture of Secrecy
Laurie Robertson, Virginia Tech
Women in Computer Science: Negotiating Boundaries, Inventing Opportunities
Janet Abbate, Virginia Tech

2.2H – NEW MEDIA AND OLD TASKS [WORKING SESSION]
Chair: Noriko Hara, Indiana University
Generation Mesh: Mobile Professionals and the Use of Mobile and Wireless Technologies
Laura Forlano, Columbia University
Internet politics: A comparative analysis of U.S. and South Korea presidential campaigns
Noriko Hara, Youngmin Jo, Indiana University

2.2I – MUSIC [NEW MEDIA]
Chair: Matthias Rieger, University of Hannover, Germany
Silencing Sounds: How the science of sound made musicians speechless by the end of the nineteenth century
Matthias Rieger, University of Hannover
Herbert Brün: Formalism and Feedback in Composition
Peter Asaro, Austrian Academy of Sciences
New Media and New Black Identities
Daniel Kreiss, Stanford University

2.2J – BETWEEN PAST AND PRESENT: TECHNOLOGIES OF POPULATION ENGINEERING AND THE POLITICS OF RESTORATIVE JUSTICE
Organizers: Kathrin Braun, University of Washington, Seattle; Angelika von Wahl, San Francisco State University
Chair: Kathrin Braun
Breaking the Silence. Eugenics, Restorative Justice and the Politics of Pause
Kathrin Braun, University of Washington,
Making Claims: Social Mobilization for Symbolic and Material Reparations and Forced Sterilizations in the USA
Angelika von Wahl, San Francisco State University
Eugenics and the Making of Universal Citizenship in Sweden. The Social Democratic State revisited
Teresa Kulawik, Centre for Baltic and East European Studies
The Stake and The Chip: Constructing deviance and difference through scientific metaphors
Marina Levina, University of Illinois

2.2K – PUBLIC UNDERSTANDING OF SCIENCE
Chair: Jane Lehr, Virginia Tech
The Politics of Bioprospection: Traditional Environmental Knowledge (TEK) and Public Engagement in Science & Technology
Camila Carneiro Dias, and Maria Conceição da Costa, State University of Campinas (UNICAMP)

Truth’s Superb Surprise: Science Studies, NeoDarwinism and Theories of Social Relating
Myra Hird, Queen’s University

State of Fear – Disciplining the Social though Climate Science
Marianne Ryghaug, NTNU

The Obligation of Reluctance: Natives, Aliens and the Politics of Immigration
Banu Subramaniam, UMass Amherst

Scientifically Literate Citizenship in the United States in the 1980s: Challenges to the ‘Deficit Model’ of Public Understanding of Science
Jane L. Lehr, Virginia Tech

2.2L – AUTHOR MEETS CRITICS: PICTURING PERSONHOOD: BRAIN SCANS AND BIOMEDICAL IDENTITY BY JOE DUMIT (PRINCETON UNIVERSITY PRESS, 2004)

Organizer: Anne-Jorunn Berg, Bodø University College
Discussants: Sally Wyatt, Virtual Knowledge Studio; Knut Sørensen, Norwegian University of Science and Technology; Marianne de Laet, Harvey Mudd College

2.2M – A MORE SOCIAL EPISTEMOLOGY: DECISION VECTORS, EPISTEMIC FAIRNESS, AND CONSENSUS IN SOLOMON’S SOCIAL EMPIRICISM

Organizer: Alison Wylie, University of Washington
Chair: Alison Wylie

Norms and the Goals of Science in Social Empiricism
Helen Longino, Stanford University

Solomon’s Science Without Conscience: Can There be Inquiry Without Ideal Agreement?
Alan Richardson, University of British Columbia

The Devil is in the (Historical) Details: Continental Drift as a Case of Normatively Appropriate Consensus
Naomi Oreskes, University of California at San Diego

Solomon’s Empirical/Non-Empirical Distinction and the Proper Place of Values in Science
Sharyn Clough, Oregon State University, Corvallis

Social Empiricism: Commentary and Response
Miriam Solomon, Temple University

Friday Lunch

6S ANNUAL BUSINESS MEETING (STUDENT SECTION OF 4S)
Lunch will be provided by Chemical Heritage Foundation.

ROUNDTABLE: STS IN CANADA (PAVILION 1 [C])
Organizer: Patrick Feng, The University of Calgary
Session Abstract: With this year’s 4S conference taking place in Vancouver, now is a good time to reflect on how STS has developed in Canada and what the future holds. This roundtable discussion will provide an opportunity for scholars in Canada to learn about each other’s work, discuss recent developments in the field, and forge linkages between STS programs across the country. This will be an
informal event with lots of interactive discussion, so come prepared to mix, mingle, and talk!

Discussants: Alan Richardson, UBC; Bernie Lightman, York University; Edna Einsiedel, University of Calgary; Sergio Sismondo, Queen's University; Yves Gingras, UQAM

**ROUND TABLE: WHAT CAN STS TELL US ABOUT THE Hwang CONTROVERSY? (FALSE CREEK 2 [H])**

Organizer: Sang-Hyun Kim, Harvard University

**Introductory Presentation:** Hwan-Suk Kim, Kookmin University

Chair: Trevor Pinch, Cornell University

Discussants: Sheila Jasanoff, Harvard University; Brian Wynne, Lancaster University; Joan Fujimura, University of Wisconsin, Madison; Herbert Gottweis, University of Vienna; and Shinik Kang, Inje University
Friday 1:30-3:15PM

2.3A – Music and the Technologies of Remixing
Organizers: Tarleton Gillespie, Cornell University and Trevor Pinch, Cornell University
Chair: Tarleton Gillespie
Reconsidering the Historical Origins of the Remix: Motion Picture Projectionists in America, 1927-1930
Emily Thompson, Princeton University
Retooling the Mix: Software and the Mode of Music Production
Paul Théberge, Carleton University
Online Music: Who are the Users and What is the Use?
Trevor Pinch, Cornell University
The Structures of Authorship in Technology, Law, and Digital Culture
Tarleton Gillespie, Cornell University
Discussant: Jonathan Sterne, McGill University

2.3B – Author Meets Critic: A Nice Derangement of Epistememes: Post-Positivism in the Study of Science from Quine to Latour by John H. Zammito (Chicago, 2004)
Organizer: Miriam Soloman, Temple University
Language-Based versus Agent-Based Theories of Science
Ronald Giere, University of Minnesota
Does (Kuhnian) Philosophy of Science Have a Future
Thomas Nickles, University of Nevada, Reno
A Nice Derangement of Epistememes: Post-construction in Science Studies
Michael Lynch, Cornell University

2.3C – Farming Like a State: Agriculture and the Politics of Expertise
Organizers: Diana Mincyte, University and Christopher R. Henke, Colgate University
Chair: Diana Mincyte
That ‘stupid prejudice against scientific agriculture’: political economy, mechanism, and the rhetoric of state science in nineteenth-century America
Benjamin R. Cohen, University of Virginia
Repairing Agricultural Environments, Maintaining Industry and State Power
Christopher R. Henke, Colgate University
Science, Development, and Small-Scale Farming in Europeanizing Lithuania
Diana Mincyte, University of Illinois, Urbana-Champaign
Organizational Change and the Role of Expert Knowledge in the Romanian Post-Socialist Agrarian Transformation
Georgeta Vidićan, MIT
‘The Whole Country are Bad Farmers’: Empire and the Rhetoric of Improvement in the 18th-century British North Atlantic
Anya Zilberstein, MIT
2.3D – QUESTIONING RELEVANCE: EXPLORING THE BOUNDARY BETWEEN STS AND STP

Organizer: Roger Pielke Jr., University of Colorado
Chair: Genevieve Maricle, University of Edinburgh

Seeking relevance: Defining and evaluating the STS/STP boundary
N.J. Logar, University of Colorado
G. Maricle, University of Colorado

Questioning Utility: What should count as useful (scientific) information?
E. Mcnir, University of Colorado
E. Fisher, University of Colorado

The Tyranny of Relevance
A. Briggle, University of Colorado
M. Averill, University of Colorado

STS/STP across the pond
G. Maricle, University of Edinburgh
M. Harsh, University of Edinburgh

Reclaiming Educational Value in Public Engagement with Science and Technology: PEST as a Site of Informal Science Learning
Brandiff R. Caron, Virginia Tech
Ellen McCallie, King’s College London
Sarah Davies, Imperial College London
Ben Gammon, Science Museum of London
Sally Duensing, King’s College London
Jane Lehr King’s College London

2.3E – CAUSALITY: OTHERS AND DIFFERENCE

Chair: Raphael Sassower, University of Colorado

The Emergent Host: Performative and Relational Human Difference in HIV
Marsha Rosengarten, Goldsmiths College, University of London

Helping People use On Line Health Information in a Low Income Neighbourhood
Leslie Bella, Memorial University of Newfoundland

Evolutionary Aesthetics, Survival of the Prettiest and Biological Slavery
Julio Munoz-Rubio, National Autonomus University of México

Reproducing Inequality: Virtual Practices of Racial Division
John Monberg, University of Kansas

Focusing on otherness and differences – silencing agencies?
Pirjo Elovaara, Blekinge Institute of Technology
Christina Björkman, Blekinge Institute of Technology
Christina Mörtberg, Oslo University

2.3F – ANTHROPOLOGY, EPSTEMOLOGY, AND SCIENCE

Chair: Mark Cassell, Northern Land Use Research, Inc.

Articulating Pasts: The Materio-Temporalization of 285 Ostionan Potsherds
Julienne Obadia, University of Florida

Science and Myth
William Stahl, Luther College, University of Regina
Delicate Empiricism and Other/Older Ways of Knowing: Anthropology and Goethe’s Science in the Age of Aquarius
Kyriaki Papageorgiou, University of California, Irvine

Nothing’: natureculturepolitics in shellfish farming
Gonçalo Praça, University of Coimbra, Portugal

The Integration of Other Ways of Knowing: Knowledge and Information Sharing in the Management of the British Columbia Salmon Fishery
Catherine Collins, Indiana University

2.3G – Interdisciplinarity and STS engagement with ‘real life’ problems

Organizers: Anna Wesselink, University of Twente and Carl Mitcham, Colorado School of Mines
Chair: Anna Wesselink

The vulnerability of technological culture
Wiebe Bijker, University Maastricht

Struggling for perspectives on New Orleans
Carl Mitcham, Colorado School of Mines

Responding to Katrina: Lessons for Interdisciplinary Collaboration and STS Expertise
Dean Nieusma, University of Virginia

Upon Opening … and finding it empty? Lessons from anti-dam movement in India for politics and STS
Esha Shan, University of Sussex

Safety from flooding in low countries: Katrina, New Orleans and the Netherlands
Anna Wesselink, University of Twente

Naturalized Disaster
Dehlia Hannah, Columbia University

2.3H – unheard voices [Working Session]

Chair: Nick Wright, University of Nottingham

Inventing Culture/Constructing Knowledge: Roger Revelle and “The Polynesian and the Scientist”
Laura Harkewicz, University of California, San Diego

Epistemology of Testimony: A Feminist Disability Account of Silence and Speaking
Alexa Schriempf, Penn State University

“They’re Here, I Can Feel Them”: The Epistemic Spaces of Indigenous Knowledge
Annette Watson, University of Minnesota

Towards an understanding of the silences between disasters
Nick Wright, Pru Hobson-West, University of Nottingham

2.3I – Discipline and Punish: The Game [NEW MEDIA]

Chair: T.L. Taylor, University of Copenhagen

Live Data Mining for Games Research: Techniques, Challenges, and Ethical Considerations
Nic Ducheneaut, Xerox PARC
The Databased Self: Perfect Surveillance in the Age of Virtual Worlds
Bart Simon, Concordia University

Modded Play: Constructing Collaboration ...and Surveillance in World of Warcraft
T.L. Taylor, IT University of Copenhagen

Genealogies of Play: Surveillance, Discipline, and the Training of the Virtual Body, or How to Make a Docile Avatar
Douglas Thomas, University of Southern California

2.3J – INTERROGATING TRANSPARENCY; COMMUNICATING SCIENCE
Organizers: Valerie Hanson, Philadelphia University and Melissa Littlefield, University of Illinois, Champaign-Urbana

Envisioning Atoms: Rhetorics of Representation in Nanoscale Images
Valerie Hanson, Philadelphia University

Drawing the Line: Polygraphy, Publicity and Criminality
Melissa Littlefield, University of Illinois, Champaign-Urbana

Manufacturing Dissent: Global Warming, Hannah Arendt, and the Politics of Scientific Truth
Jenell Johnson, Pennsylvania State University

Sublime-o-rama: IMAX, Mount Everest, and the All-consuming Crowd
Elizabeth Mazzolini, Rochester Institute of Technology

The Behaviorist Manifesto: Flattening Psychology’s ‘Black Box.’
Jodie Nicotra, University of Idaho

2.3K – HEALTH ON (THE) LINE? CONDITIONS OF SILENCE FOR MARGINALIZED GROUPS
Organizers: Flis Henwood, University of Brighton; and Roma Harris, The University of Western Ontario

‘White-fella’ Internet: Continuing the Silencing of Indigenous Ways of Knowing
Lyn Simpson, Michelle Hall, and Susan Leggett, Queensland University of Technology

Ending the Silence of Ethno-cultural Communities with Technology: A Case Study of Video Technology with the Farsi-speaking community in British Columbia.
Iraj Poureslami, University of British Columbia
Irving Rootman, University of Victoria
Ellen Balka, Simon Fraser University.

Invisible and (usually) silent: The challenge of information exchange for rural-dwellers living the HIV and AIDS
Irving Rootman, University of Victoria
Judith Krajnak, University of British Columbia
Roma Harris, The University of Western Ontario
Leslie Bella, Memorial University of Newfoundland
Tiffany Veinot, The University of Western Ontario

The promotion of self-reliance: How e-health strategies shift the burden of care
Roma Harris, The University of Western Ontario
Jana Fear, The University of Western Ontario

**Social Marketing as Global Communication Technology**
Roddey Reid, University of California, San Diego

**2.3L – NANO TECHNOLOGY II**
Chair: Paul Wouters, Virtual Knowledge Studio

Instrumentalities as drivers of cross-disciplinarity in bionanotechnology
- Martin Meyer, University of Sussex
- Ismael Rafols, University of Sussex

Competing discourses of disruptive technologies: A case study
- Deborah Bassett, University of Washington
- Elizabeth Litzler, University of Washington

Understanding nanotechnology: mediation, uncertainty and financial epistemology
- Geoff Cooper, University of Surrey
- Mary Ebeling, University of Surrey

**2.3M – PHARMACEUTICAL PUBLICS: POLITICS, SOVEREIGNTIES, AND SUFFERING**
Organizers: Cori Hayden, University of California, Berkeley and Stefan Ecks
Chair: Cori Hayden

Brand India and the Clinical Trial: Experimental Machineries and Desiring Machines of Biocapital
- Kaushik Sunder Rajan, University of California, Irvine

Silent Suffering and Loud Numbers: Mass Clinical Risk and Prognostic Sovereignty
- Joseph Dumit, University of California, Davis

How to do things with drugs: Pharmaceutical publics in Kolkata
- Stefan Ecks, University of Edinburgh

Pharmaceuticals and mass politics, or: medicine, markets, and the popular in Latin America
- Cori Hayden, University of California, Berkeley

Discussant: Andrew Lakoff, University of California, San Diego
**Friday 3:30-5:30PM**

**2.4A — BETWEEN CONSTITUTION AND EMPIRE: PRODUCING SCIENCE AND CITIZENS IN GLOBAL INSTITUTIONS**

Organizers: David Winickoff, U.C. Berkeley; Mark B. Brown, California State University, Sacramento

Scientific and Political Representation in Global Civil Society  
Mark B. Brown, California State University, Sacramento

Accidental Sovereignty: Science, the SPS Agreement, and Normative Subsidiarity  
Mark Philbrick, U.C. Berkeley

Science and International Legal Order  
David Winickoff, U.C. Berkeley

Governmentality and the Globe: Constitutionalizing Security in International Organizations  
Clark Miller, Arizona State University

‘Dirty Pretty Things’ of Neo-Liberal Globalization: Medical Tourism, Medical Transcription, and Drug Testing by Multinational Companies in India  
Sirupa Prasad, University of Missouri-Columbia  
Amit Prasad, University of Missouri-Columbia

Building the World at the Patent Office: Defining Science and the Polity at the European Patent Office  
Shobita Parthasarathy, Ford School of Public Policy, University of Michigan

Navigating Ethically Treacherous Waters: Understanding the Development  
Elta Smith, Harvard University

Negotiating Global Norms: The Role of the Codex Alimentarius Commission in the Global Architecture of Trade, Health, and Environment  
Douglas Bushey UC Berkeley,

Discussants: David Winickoff, U.C. Berkeley and Sheila Jasanoff, Harvard University

**2.4B — WHAT’S TO BE DONE WITH UNDONE SCIENCE?**

Organizers: Scott Frickel, Tulane University and David J. Hess, Rensselaer Polytechnic Institute  
Chair: Scott Frickel

Organized ignorance: The case of environmental testing in post-Katrina New Orleans  
Scott Frickel, Tulane University  
M. Bess Vincent, Tulane University

Between genomics and the breast cancer lobby; mapping the shifting space of the environment in breast cancer genetic research  
Sahra Gibbon, University College London

Chemical momentum: Industrial chemistry and the problem of undone science  
Jeff L. Howard, University of Texas - Arlington
But for buckets: Regulatory standards and the undoing of citizen science
Gwen Ottinger, University of Virginia

Undone Science, Unproven Therapies: The Status of Energy Healing in the ‘New Medicine’
Paula Jean Davis, University of Pittsburgh

Unravelling a Process of Silence Behind Clinical Trials
Jan Clarke, Algoma University College

Forbidden knowledge: How researchers identify and manage inconvenient facts
Joanna Kempner, University of Michigan
Charles L. Bosk, University of Michigan
Clifford S. Perlis, University of Michigan
Jon F. Merz, University of Michigan

Undoing innovation
Lucy Suchman, Lancaster University

Discussant: David Hess, Rensselaer Polytechnic Institute

2.4C – TECHNOLOGY: POWER, TRUTH AND CULTURE
Chair: Steven A. Walton, Pennsylvania State University

Technology as culture and technology as practice: The idea of progress in some Latin American countries
Monica Salazar, Simon Fraser University
Sandra Daza, Colombian Observatory of Science and Technology
Angela Rivera, Colombian Observatory of Science and Technology

Making Corruption Legible: Political Artifacts and Public Proofs in an International Art Exhibit
Raymond June, American University

Biological Threats and Technologies of Security
Gwen D’Arcangelis, UCLA

Promoting and Silencing Myths in Biological Disarmament
Filippa Corneliussen, London School of Economics

Silencing Dissent: How Technoscience Contributes to War Manipulation
Raphael Sassower, University of Colorado
Louis Cicotello, University of Colorado

Standards: The Silent Technologies of Power
Lawrence Busch, Michigan State University

2.4D – BIOTECHNOLOGY, PHARMACEUTICALS AND DEVELOPMENT
Chair: Robby Berloznik, Flemish Institute for Science and Technology

Counting cells, measuring evidence: The contested nature of international therapeutic guidelines in HIV
Denielle Elliott, Simon Fraser University

Actor-Network Theory, Regulation and Governance
Emilie Cloatre, and Robert Dingwall, University of Nottingham

The Nature of North-South Partnership in Bioprospecting and Impact on Capabilities and Innovation Systems. Case Studies in Latin America
Léa Velho, University of Campinas
Patients, Profits and Values: Genzyme and the Creation of Informed Consumers of Potential Innovations
Carlos Novas, London School of Economics

Biotechnology and development in Latin America
Morgan Echeverry, University of Puerto Rico – Mayaguez

Scientists and Globalization: Perceptions of Plant Biotechnology from the Margins
Christina Holmes, Dalhousie University

Remaking Difference While Making Profit? Race, Clinical Trial, and Pharmaceutical Industry in Taiwan
Yu-Ling Huang, SUNY-Binghamton

2.4E – THE SILENCES AROUND GOVERNMENT AND SCIENCE
Chair: Katie Vann, Virtual Knowledge Studio

Values vs. Scientific Evidence - The Case of Intelligence Testing
Elise Paradis, Stanford University

Political Process of Quantification : Case Analysis of the Quantification of “Use-rate” in the Environmental Controversy
Yuko Fujigaki, University of Tokyo

“We Need a Greenpeace for PMF”: Industry Characterizations of Stakeholder Management in the Governance of Plant Molecular Farming
Jennifer Medlock, University of Calgary

Explaining the Silence of Public Good Scientists: Operative Assumptions of Biological Control Entomologists
Keith Douglass Warner, Santa Clara University

Clima(c)tic risk communication: Environmental NGO’s and the representational politics of communicating climate change
Julie Doyle, University of Brighton

Beyond silence and surprise: The complexities of climate change
Jenny Wells, U.C. Berkeley & the Sorbonne

2.4F – CONSENT, SILENCE, PRIVACY AND SECRECY
Chair: Deborah Blizzard, Rochester Institute of Technology

Privacy as Silence
Elaine Gibson, Dalhousie Health Law Institute
Jan Sutherland, Dalhousie Health Law Institute

Consenting Silences: Informing Citizens and the Right not to Know
Stefan Sperling, Harvard University

Laura Fenton, York University

Research ethics and The invisible worker
Patricia Kaufert, University of Manitoba,

Resistance and Truth: Two subaltern discourses regarding the ethics of human subjects research
Matthew Weinstein, University of Washington-Tacoma

2.4G – CRITQUIQUING THE CRITICS
Chair: Andrew Feenberg, Simon Fraser University
Politics of Science Studies: Can Questioning the Autonomy of Science be a Solution to the Lack of Normativity in the Field?  
Sanem Guvenc-Salgirli, State University of New York at Binghamton

Critical Philosophy of Technology: The Basic Issues  
Hans Radder, Vrije Universiteit Amsterdam

Achieving Continuity: A Story of Stellar Magnitude  
Michael Evans, University of California, San Diego

The Power to Speak: David Ferrier’s Science and H. G. Wells’s Fiction  
Laura Otis, Emory University & Max-Planck-Institut für Wissenschaftsgeschichte

Merton’s “Norms” in Political and Intellectual Context  
Stephen Turner, University of South Florida

The Irrepressible Social of Media: A Critique of Mark Poster’s Media Theory  
Matthew Schilleman, University of California, Irvine

The Rational Critique of Rationality  
Andrew Feenberg, Simon Fraser University

2.4H – STS and the City - Cities as Technical Artifacts and Competing Interpretations of the Technological City

Organizers: Steven Moore, and Andy Karvonen, the University of Texas at Austin  
Chair: Steven Moore

Space and the Concealment of Urban Technological Narratives  
Steven Moore, The University of Texas at Austin

The Discipline of Urbanism: Urban Design and the Technology of Place in the Post-Suburban Era  
David Brain, New College of Florida

Sustainable Cities as Enormous Artifacts  
Ralf Brand, University of Manchester

The Tale of the Turning Torso: Contradictions of Urban Sustainable Development in Malmö, Sweden  
Andrew Jamison, Aalborg University

Overcoming Inertia or Recycling History: Sustainable Development and Urban Infrastructure  
Nichole Dusyk, University of British Columbia

Urban Metabolism, Heterogeneous Engineers, and Municipal Stormwater Management  
Andy Karvonen, The University of Texas at Austin

What happens when the technical and the spiritual meet: Examination of Spiritual Discourse in Green Building  
Kathryn Henderson, Texas A&M University

Silence in the Urban Environment  
Azucena Cruz, SUNY Stony Brook

Discussants: Steven Moore, The University of Texas at Austin, and Andrew Jamison, Aalborg University

2.4I – Silenced Pasts: Archaeological Practice and the Politics of Manifestation [NEW MEDIA]
Organizers: Christopher Witmore, Brown University; Matt Ratto, The Royal Netherlands Academy of Arts and Sciences; and Michael Shanks, Stanford University
Chair: Christopher Witmore

Epistemic commitments and archaeological representation
Matt Ratto, The Royal Netherlands Academy of Arts and Sciences

Presence effects and archaeological media: case studies in performance arts
Michael Shanks, Stanford University

Making silent industries speak... differently: a performance of the mobile telecoms industry by the Future Archaeologist
Laura Watts, Lancaster University

Archaeology and the politics of collaborative heritage
Timothy Webmoor, Stanford University

Site-specific media, archaeology and time
Christopher Witmore, Brown University

Discussant: Alison Wylie, University of Washington

2.4J – PUBLIC HEALTH
Chair: Virginie Tournay, McGill University

Yen-Fen Tseng, National Taiwan University
Chia-Ling Wu, National Taiwan University

Reconfiguring Oncology Care; Interventions in a national ‘quality collaborative’ and the creation of a Dutch healthcare market
Teun Zuiderent-Jerak, University Medical Center Rotterdam

Rationalizing Health Care Provision. A discussion of politics, science and care
Erik Aarden, University of Maastricht

The birth of public health in France or the little story of a successful standardization
Virginie Tournay, McGill University

2.4K – MARKETS, CONSUMERS AND COMMODITIES
Chair: Daniel Breslau Virginia Tech

Rituals of silence and the cyclical expression of the careers of psychotropic drugs (1900-2000).
Toine Pieters & Stephen Snelders, VU Medical Centre

The market reservation for Brazilian minicomputers and the experience of their production in the 70/80’s.
Henrique Cukierman, COPPE/UFRJ - Rio de Janeiro

Bryan Pfaffenberger, University of Virginia

Selling Sexual Science: Viagra, the “Gay Niche Market,” and the Stigma of “Recreational Use”
Emily Wentzell, University of Michigan
The Total Observation Collage: Weather Forecasting and the Search for Ground Truth
Phaedra Daipha, The University of Chicago

The race to quantification in technoscientific mental health management
Craig Willse, The CUNY Graduate Center

Market Power in Power Markets: The Politics of Knowledge in Electricity Exchanges
Daniel Breslau, Virginia Tech

2.4L – Black-Boxed Security? Disclosing Cold War Technologies and Reframing Technologies Since 9/11
Organizers: Rebecca Slayton, Stanford University; Sonja Schmid, Stanford University; Kathleen Vogel, Cornell University
Chair: Rebecca Slayton

Debate Without End: Simulating Nuclear Weapons Testing
Hugh Gusterson, George Mason University

The Double Effect of Nuclear Secrecy on Policy and Scholarship
Lynn Eden, Stanford University

Security, Justice, and the ‘Dual-Use’ Ideal in American Public Health
Nicholas B. King, Case Western Reserve University

Synthetic Biology: Reframers, Rewriters, and Bioterrorism Policy
Kathleen Vogel, Cornell University

The Unclosed World: Information Technology for Counterterrorism
Rebecca Slayton, Stanford University

2.4M – Degrees of Freedom: Infrastructure After Control
Organizers: Paul Edwards, University of Michigan and Steven Jackson, University of Michigan
Chair: Paul Edwards

Infrastructuration: Technology Studies and/as Social Theory
Paul Edwards, University of Michigan
Christopher Lee, University of North Carolina

Controlling the roads: negotiations, politics and silenced actors in infrastructural planning
Jane Summerton, Linkoping University

Infrastructure and Event: The Problem of Vulnerability
Andrew Lakoff, UC San Diego

The archive and the river: infrastructural memory and action
Steven Jackson, University of Michigan

Not too close, not too far: building breathing space into information infrastructures
W. Turner, LIMSI-CNRS
B. Habert, LIMSI-CNRS
G. Ripoche, LIMSI-CNRS and University of Illinois at Urbana-Champaign
M. Zacklad Tech-CICO, University of Technology at Troyes

Infrastructuring Movements: When the Silent becomes the Spoken
David Ribes, UC San Diego; Florence Millerand, Universite de Quebec a Montreal
6:00 – 7:00 4S BUSINESS MEETING COAL HARBOUR 3
RECEPTION (CASH BAR) PAVILION
BANQUET (TICKETED EVENT) 7:00-9:00 CRYSTAL BALLROOM EAST AND WEST
Saturday 8:30-10:00AM

7:15-8:15am SSS EDITORIAL BOARD MEETING (PAVILION 1[C])

Saturday 8:30-10:00AM

3.1E – FOOD, BIOPOLITICS, AND REGIONAL IDENTITY
Organizers: Patrick Feng, University of Calgary and Edna Einsiedel, University of Calgary
Chair: Patrick Feng

It’s a mad, mad (cow) world: The politics of food safety in the wild, wild west
Patrick Feng, University of Calgary
Edna Einsiedel, University of Calgary

Fit for (non-)human consumption? The marketing of pet foods in Alberta
Melanie Rock, University of Calgary

Consuming flesh: The biopolitics of beef consumption
Gwendolyn Blue, University of North Carolina

Silences and Aporia in the BSE Debate in Japan
William Bradley, Ryukoku University

3.1F – SCIENCE AND THE SUBDUEVOICE
Organizer: John Lyne, University of Pittsburgh
Chair: John Lyne

Silencing Critique: Sokal, Latour, Einstein, and 4S
Henry Krips, University of Pittsburgh

Finessing Controversy: Intelligent Design in the Natural History Museum
Elizabeth Shea, Northeastern University

Partitioning Order and Wonder: The Protective Polarities of Contemporary Scientific Display
Freya Thimsen, University of Pittsburgh

De-Voicing Pain: What Science Renders Inarticulate
John Lyne, University of Pittsburgh
Joseph Ali, University of Pittsburgh

3.1G – STS PERSPECTIVES ON JUSTICE AND SUSTAINABILITY
Organizer: David Hess, Rensselaer Polytechnic Institute
Chair: David Hess

Just Sustainability and Localism: A Technology Studies Perspective
David Hess, Rensselaer Polytechnic Institute

Ecological Restoration and Social Justice as Boundary Objects: Searching for Common Ground between the Environmental Justice Movement and the Grassroots Ecological Restoration Movement
David Tomblin, Virginia Tech

Tell the Truth / Stop the Plant: Lessons from an Activist Campaign
Langdon Winner, Rensselaer Polytechnic Institute

Technocracy or Democracy: Justice and Emerging Global Governance Forms
David Hakken, Indiana University

Measuring the “Pollution in People”: Implications of Human Biomonitoring for Constructions of Bodies and Environments
Rachel Washburn, University of California, San Francisco

3.1H – ORGANIZATIONS AND NETWORKS [WORKING SESSION]
Chair: Kyle Siler, Cornell University
“I wouldn’t call it science”: towards a conceptual framework for translational research
Janet Atkinson-Grosjean, University of British Columbia
Balancing the wet and the dry: STS researcher becomes science manager
Nicholas Chrisman, Université Laval
Trade Secrets, Technology Development, and Network-Building
William Kaghan, Santa Clara University
Working in the Lab: The Relationship between the Organization of Research and Training Developed under Competitive Standard Grants in the Biomedical Sciences
Annalisa Salonius, McGill University
Theorizing (Inter)Disciplinarity and the Development of Science and Technology Studies
Kyle Siler, Cornell University

3.1I – DOING RESEARCH ABOUT ICTS AND HEALTH INFORMATION
Organizer: Sally Wyatt, University of Amsterdam
Chair: Sally Wyatt
Using fieldwork for discussing ethical issues related to IT and healthcare
Christine Reidl, Technical University of Vienna
Ina Wagner, Technical University of Vienna
Capturing Internet Sessions in Context: Can Technology and Ethnography Inform the Design of Health Websites?
Karen Smith, Simon Fraser University
Measuring Health Risks: Midlife women and the visualized body
Eileen Green, University of Teesside
Frances Griffiths, University of Warwick
The social construction of health & safety indicators: A case study of the Vancouver Coastal Health Authority
Kate Laxer, York University
Pat Armstrong, York University, Canada
Karen Messing, University of Quebec at Montreal
Back to basics: How do we know what we know?
Sally Wyatt, University of Amsterdam
Flis Henwood, University of Brighton

3.1J – THE SECRET HISTORY OF OPEN SOURCE
Organizer: Thomas Haigh University of Wisconsin, Milwaukee
Chair: Thomas Haigh
The Corporate Origins of Open Source Software
Thomas Haigh, University of Wisconsin–Milwaukee
Downloading Communism: Open Source and File Sharing as Samizdat
Maria Haigh, University of Wisconsin–Milwaukee
Agency, Locality, and Representation in Proprietary and Open Source Software: Silences, Voices, and Concretizations
Michael Felczak, and Andrew Feenberg, Simon Fraser University

David Ferro, Weber State University

Discussant: Atsushi Akera, Rensselaer Polytechnic Institute

3.1C – SHIFTING GEAR: WHAT DO CHANGES IN AUTOMOTIVE INFRASTRUCTURES REVEAL?
Organizer: Jameson Wetmore, Arizona State University
Chair: Jameson Wetmore

Parking is Such Sweet Sorrow: disruptions and the moral order of traffic regulation
Daniel Neyland, University of Oxford
Steve Woolgar, University of Oxford

Created in his Own Image: The Crash Test Dummy as Critical Infrastructure
Jameson M. Wetmore, Arizona State University

Make Way for the Motor Age: The Social Reconstruction of the City Street
Peter Norton, University of Virginia

Money and People on the Seoul City Bus, Disappeared or Disciplined
Jong-Min Lee, Virginia Tech

Cyborg Artifacts: Visible Concealment in the Rouge Tour
Wendy Michael, University of Michigan

3.1D – INVOKING DIFFERENCE: SILENCING 'RACE' AND THE TALKING GENE
Organizers: Pei Koay, Rice University; Bettina Bock v. Wülfingen, University of Bremen; Michelle McGowan, University of Washington
Chair: Pei Koay

University Representing ‘Asian’ genomics: (e)-racing states, science, and bodies
Pei Koay, Rice University

Producing Users of Preimplantation Genetic Diagnosis: Dominant and Marginalised Discourses in the US
Michelle McGowan, University of Washington, Seattle

Reproducing the future – time, space and emancipation in genetic conceptions
Bettina Bock v. Wülfingen, University of Bremen

3.1M – AUTHOR MEETS CRITICS: THE EFFORTLESS ECONOMY OF SCIENCE BY PHILIP MIROWSKI (DUKE UNIVERSITY PRESS, 2004)
Organizer: Wenda Bauchspies, Pennsylvania State University
Discussants: Martha Lampland, University of California, San Diego; Martina Merz, University of Lausanne: Daniel Breslau, Virginia Tech
Saturday 10:15-11:45AM

3.2E – Technologies of (Anti-) Aging: Promises and Predictions
Organizer: Jennifer Fishman, Case Western Reserve University
Chair: Jennifer Fishman
Futures, Histories, and Predictions in Anti-Aging Medicine
Courtney Mykytyn, University of Southern California
On the Margins or at the Vanguard?: Practitioners’ Engagement with Anti-Aging Medicine
Jennifer Fishman, Case Western Reserve University
Roselle Ponsaran, Case Western Reserve University
Bound to the Clinic: Life in the Wake of Medically-Achieved Longevity
Janet Shim, University of California, San Francisco
Ann Russ, University of California, San Francisco
Sharon Kaufman, University of California, San Francisco

3.2F – Transgene Transgressions: Controversies over Transgenic Maize in Mexico
Organizers: Jason Delborne, University of Wisconsin-Madison and Abby Kinchy, University of Wisconsin-Madison
Chair: Jason Delborne
GM Maize as Cultural Crisis—Reactions among Zapotec Farmers to Transgenic Crops
Roberto J. Gonzalez, San José State University
Knowledge Work in the Social Movement against Transgenic Maize in Mexico: Implications of the Claim that Transgenes Cause Maize Malformations
Abby J. Kinchy, University of Wisconsin-Madison
Transgenes and Transgressions: Spectrums of Scientific Dissent
Jason A. Delborne, University of Wisconsin-Madison
The Case of the Disappearing Transgenes: Analyzing the Roles of Values and Facts in Interpreting Scientific Data on Transgenes in Maize Landraces in the Sierra Juárez, Oaxaca, Mexico
David A. Cleveland, University of California, Santa Barbara
Daniela Soleri, University of California, Santa Barbara

3.2G – Scientific Conferences: Knowledge, Community, Activism
Organizers: Cyrus Mody, and Arthur Daemmrich, Chemical Heritage Foundation
Chair: Cyrus Mody
The Secret Lives of Scientists: Conferences as a Setting for Scientific Activism
Fiona Murray, Massachusetts Institute of Technology
Conferences, Community, and Nanotechnology: From Birth to Rebirth
Cyrus Mody, Chemical Heritage Foundation
Positioning as Central and Frontier: The Gordon Research Conferences and Scientific Infrastructure
Arthur Daemmrich, Chemical Heritage Foundation
Conferences as Knowledge Makers
Harry Collins, Cardiff University

3.2H — Labor and the Contradictions of Science [Working Session]

Chair: Jerome Ravetz, Oxford University

Immaterial and Affect Labor in the Changing and Enduring Worlds of Patient Care and Health Systems: from Spinoza to radical Italian sociology and ethics in relations

Judith Gregory, Illinois Institute of Technology

The Maturing of the Structural Contradictions of European Science

Jerome Ravetz, Oxford University

Socio-technical analysis of slave workforce-based production systems (Africa-America, between the XVI and XIX centuries). A theoretical-methodological proposal

Hernán Thomas, Universidad Nacional de Quilmes/CONICET - Argentina

3.2I — Artists Investigating and Employing Interspecies Collaboration [New Media]

Organizers: University of California-Santa Barbara; Beatriz da Costa, University of California-Irvine

Chair: Lisa Jevbratt

PigeonBlog

Beatriz da Costa, Univ. California Irvine

Animal Gene Products: Repurposing Retired Breeders and Refuge

Kathy High, Rensselaer Polytechnic Institute

Interspeciescollaboration.net

Lisa Jevbratt, Univ. California Santa Barbara

3.2J — What Should the Humanities Offer to Science and Technology Policy? [Working Session]

Organizers: Adam Briggle, University of Colorado; Britt Holbrook, University of North Texas; and Robert Frodeman, University of North Texas

Chair: Robert Frodeman, University of North Texas

Lessons from Katrina: Engineering, Science, and the Policy Turn in the Humanities

Robert Frodeman, University of North Texas

Suffering in Silence: What Can Scientist’s Say about the Broader Societal Impacts of their Research, and Why Aren’t They Saying It?

Britt Holbrook, University of North Texas

Species consciousness and mass extinction: paths to a clearing.

David Eaton, California State Univ., Chico

3.2C — Fact(ory)/Labor(atory)

Organizers: Park Doing, and Stephen Hilgartner, Cornell University

Chair: Park Doing

The Labor Politics of Experiment and Technique at a Modern Synchrotron Laboratory

Park Doing, Cornell University

Epistemic Politics in the Soviet Nuclear Power Industry

Sonja Schmid, Stanford University

Factory-Talk and Institution Building in the Human Genome Project
Saturday 10:15-11:45 AM

4S PROGRAM, VANCOUVER, 1-5 NOV. 2006

Stephen Hilgartner, Cornell University
**Undisclosed Work: The Rhetoric of Effortlessness in Science**
James W. McAllister, University of Leiden

3.2D – **WHAT DO THEY KNOW? AND HOW DO THEY KNOW IT? AMATEURS, HOBBYISTS, AND RETHINKING THE NATURE OF EXPERTISE**
Organizer: Kalpana Shankar, Indiana University-Bloomington
Chair: Kalpana Shankar

Wind, water, and wi-fi: Volunteers, online networks, and Internet service deployment in the Hurricane Katrina aftermath
Kalpana Shankar, Indiana University-Bloomington
Muzaffer Ozakca, Indiana University-Bloomington

Stabilizing performances: The emergence of a community eelgrass mapping network
Leanna Boyer, Wolff-Michael Roth and Nikki Wright, University of Victoria

Great SCOT!: Grid group sociology, SCOT, and the Xbox 360
Colin Beech, Rensselaer Polytechnic Institute

Rubber duck collectors: Of amateurs, experts, and the serious side of silly business
Charlotte P. Lee, University of California-Irvine
Ciaran Trace, University of Wisconsin-Madison

3.2M – **PATIENTS AND MEDICINE: EMERGENCE, VISIBILITY AND TRANSFORMATION**
Chair: Madeleine Akrich, Ecole des Mines de Paris

Age, Space, and Danger: Regulating Sex Hormones
Katherine Thomson, University of California, San Francisco

Visible Bodies, Invisible Politics: The Visible Human Male and the Politics of Death
Rachel Prentice, Cornell University

Experiencing and experimenting together: E-groups as laboratories for patients’ collective action
Madeleine Akrich, Ecole des Mines de Paris
Cécile Méadel, Ecole des Mines de Paris

Elusive Diseases and Contested Diagnoses: The Case of Interstitial Cystitis
Jessica Lyons, Rensselaer Polytechnic Institute

Challenging the Noise/Silence Dichotomy: the Case of Palliative Care in Canada
Erin M. Rehel, Brandeis University

Saturday Lunch

**ROUNDTABLE: STS ENGAGED: A CONVERSATION ON THE FUTURE OF STS EXPERTISE AND THE PARTICIPATORY TURN** co-sponsored by 6S (Pavilion 1 [C])

Organizers: Wyatt Galusky, SUNY-Morrisville and Benjamin R. Cohen, University of Virginia

This lunch-hour session is part of the STS Engaged series, which foregrounds questions of interdisciplinary STS expertise and of audience. This caucus will involve a discussion for and among graduate
students and junior scholars, engaging the topics of STS interdisciplinary expertise and the positioning of that expertise in various forums - traditional and non-traditional.

Discussants: Matthew R. Harsh, University of Edinburgh; Wyatt Galusky, SUNY-Morrisville; Jason Delborne, University of Wisconsin-Madison; Benjamin R. Cohen, University of Virginia

**Roundtable: NSF Funding Opportunities (False Creek 1 [H])**

Organizers: Priscilla Regan, Science and Society Program, NSF
Frederick Kronz, Science and Society Program, NSF
Saturday 1:30-3:15PM

3.3E – WICKED, NOISY, AND DEFINITELY NOT NORMAL
Organizer: Mavis Jones, University of East Anglia
Chair: Mavis Jones
Science-based policy or politics-based science? The EU Impact Assessment system through a sustainable development lens
John Turnpenny, University of East Anglia and CSERGE, Programme for Environmental Decision Making
“Energizing” UK climate change policies: shaping and changing policies around these two wicked issues
Irene Lorenzoni, University of East Anglia
Open for business. Transparency and representation in biotechnology governance
Mavis Jones, University of East Anglia
Public Value Mapping for the Assessment of Big Science Policy: will the US Climate Change Science Program contribute to policy and decision making?
Ryan Meyer, Arizona State University
The Implications of the ‘New Genetics’ for the Structuring of Health Care Delivery in the United Kingdom
Helen Cox, University of York
Discussant: Nick Pidgeon, School of Psychology, Cardiff University

3.3F – LIBERATING THE CIRCUITS AND THE SOURCE CODE: TOWARD A DEMOCRATIC PRAXIS OF TECHNOLOGY
Organizer: Brent Jesiek, Virginia Tech
Chair: Brent Jesiek
Open Source as Constitutively Productive Democracy
Jeremy Hunsinger, Virginia Tech
Democratizing Hardware: Lessons from the Free and Open Hardware Movement
Brent K. Jesiek, Virginia Tech
European Citizens and Privileged Witnesses: Activism Against Software Patents in Europe
Jelena Karanovic, New York University
Performing Technoscientific Entrepreneurship
Fernando Elichirigoity, University of Illinois at urbana-Champaign
The Distributed Laboratory: The Internet and 21st Century Citizen Science
Tyson Vaughan, Temple University
Learning with Kepler middleware: Visualizing the process of science
Samantha Romanello, University of New Mexico
Deana Pennington, University of New Mexico
Laura Downey, University of New Mexico

3.3G – THE BOUNDARIES OF SCIENCE IN AFRICA: MISTRUST, SURVIVAL, APPROPRIATION
Organizer: Grace Davie, Queens College-CUNY
Chair: Grace Davie
Appropriating Boundaries: Social Movements and Poverty Research in South Africa  
Grace Davie, Queens College-City University of New York

Conjuring Global Traditions and African Medicines  
Stacey Langwick, University of Florida

Global Science and the Development of the Nation  
Josephine Beoku-Betts, Florida Atlantic University

White Machines, Black Bodies, ‘Gray’ Science: (Ultra) Sound Research Practices in Tanzania  
Babette Mueller-Rockstroh, Maastricht University

Appropriating Technology: What Goes Where and How Does It Get There?  
Marianne de Laet, California Institute of Technology

Discussants: Stacy Leigh Pigg, Simon Fraser University, Madeleine Akrich, Ecole des Mines de Paris

3.3H – Local Environments and Non-local Problems [Working Session]

Chair: Rick Worthington, Pomona College

Black Rocks, Borderlands, and the Big Bend: Air Pollution on the Rural U.S.-Mexico Border  
Francisco Donez, University of California, Berkeley

Perspectives on technology, agriculture and farmers: the Monsanto Smallholder Programme  
Dominic Glover, Institute of Development Studies

Constituting Risk and a Risk Community: Radiological Suffering, Democratic Survival, and the Hanford Downwinders’ Challenge to Nuclear Silence  
William J. Kinsella, North Carolina State University  
Jay Mullen, Southern Oregon University

Research, Policy and Social Change: The Role of Community-Based Research  
Rick Worthington, Pomona College

3.3I – The Uses of Mobile Wireless Technologies: Different Perspectives on New Media Studies [New Media]

Chair: Judy Wajcman, Australian National University

Turning a summons into a treat: musical mobile ring tones and the design of personalized and public soundscapes.  
Christian Licoppe, Ecole Nationale Superieure des Telecomunications

Intimate Connections: The Impact of the Mobile Phone on Work Life Boundaries  
Judy Wajcman, Australian National University

Noise, Sound and other Callings: Re-Placing the Discourse of Public and Private  
Heather A. Horst, University of Southern California.

From autonomy to hybridizing: some aspects of the contextual work by which people connect or disconnect mobile phone uses to their proximal contexts.
Marc Relieu, Ecole Nationale Superieure des Telecommunications

3.3J – Evidence-Based Medicine
Chair: Regula Valerie Burri ETH and University of Zurich

Is That a Fact? Evidence-Based Medicine and Women’s Health
Denise Spitzer, University of Ottawa

New methods for enhancing the reliability and usefulness of research findings: The research synthesis revolution
Ingemar Bohlin, Gothenburg University

When the standards aren’t standard: evidence-based medicine in the Russian context
Anna Geltzer, Cornell University

Evidence-Based Activism: Adoption and Adaptation of Medical Science by Independent Midwives
Bruce Hoffman Ohio University

Unsettling alienation and profound embodiment: The re-conceptualization of phantom limbs as productive phenomenon
Cassandra Crawford, University of California, San Francisco

Overlooked spaces: medical imaging and its material environments
Regula Valerie, Burri ETH and University of Zurich

3.3C – Capital and Aggregate Forms of Life
Organizers: Michelle Murphy, University of Toronto and Sabine Hoehler, University of Hamburg
Chair: Sarah Lochlann Jain, Stanford University

Uncoiling and Recoiling: The Politics of DNA and Diet
Hannah Landecker, Rice University

Economizing Life, American Empire, and Birth in Aggregate
Michelle Murphy, University of Toronto

Modelling Population Health: How Epidemiologic Studies Tie Together Lifestyle, Economy and Molecules
Suzanne Bauer, Copenhagen University

Human Surplus: Population Accounts in the Environmental Age
Sabine Hoehler, University of Hamburg

Discussant: Sarah Lochlann Jain, Stanford University

3.3D – In the Academy/Interdisciplinary
Chair: Raphael Sassower, University of Colorado

Academic values under fire: commercialisation and research standards
Maarten Mentzel, Delft University of Technology

The Calling for Interdisciplinary Science
Aaron Panofsky, New York University
Diana Rhoten, Social Science Research Council

Realities of Retracted Publication? Analyzing Cases in Multidisciplinary Scientific Journals
Takehiko Ishiguro, Doshisha Research Center for Human Security

Learning Science: The Very Idea
Norm Friesen, Simon Fraser University

Aardvark et al.: The Status Returns to Names in Social Science and Beyond
Dalton Conley, New York University
Rebecca Glauber, New York University
Giorgio Topa, New York Federal Reserve Bank

Instrumentalities as drivers of cross-disciplinarity in bionanotechnology
Ismael Rafols, University of Sussex
Martin Meyer, University of Sussex, Katholieke Universiteit Leuven, and Helsinki University of Technology

3.3M Measuring Health I
Chair: Jason Cross, Duke University

Tracking Biological Science: The Construction of the Research Agenda
Leah Nichols, University of California, Berkeley

Keeping it Clean: The Role of Pharmaceutical Monitors in the Clinical Trials Industry
Jill Fisher, Arizona State University

Carving out a space for systems biology
Jane Calvert, University of Exeter

Making Progress: Material Engagement and Identity
Robert Swieringa, Grand Valley State University

Surveying humanness -politics of care improvement
Randi Markussen, Aarhus University
Christopher Gad, University of Aarhus
Saturday 3:30-5:30PM

3.4E – Deleuzian Intersections in STS and Anthropology
Organizers: Casper Bruun Jensen, Copenhagen Business School and Kjetil Rødje, Simon Fraser University
Chair: Casper Bruun Jensen

Between the planes: Deleuze and social science
Steven D. Brown, Loughborough University

Laughter and slave – a Deleuzean note on the powers of inscribed life
Katie Vann, Virtual Knowledge Studio

Deleuzian intersections in science, technology and anthropology:
Tracing the rhizome D.
Casper Bruun Jensen, Copenhagen Business School
Kjetil Rødje, Simon Fraser University

Regimes of neurochemical control
Scott Vreeco, London School of Economics

Using ANT and rhizomes to uncover invasive species
Brendon Larson, University of California, Davis
Colin Milburn, University of California, Davis

3.4F – Expertise, Experts, Risk and Trust
Chair: Philippe Mustar, Centre de sociologie de l’innovation

The Trojan Mobile: EMF as an Agent for Technological Change.
David Mercer, Wollongong

Conflicting Definitions of Stress in the Air Traffic Controllers Strike, and the Value-ladeness of Knowledge
Gerald Doppelt, University of California, San Diego

Whither public trust in science?
Jenny Dyck Brian, Arizona State University

The Multiple Realities of Bioethics at the Science-Technology-Society Interface: Beyond Dichotomous Model of Academic and Citizens Sector
Miwao Matsumoto, The University of Tokyo
Yuji Tateishi, The University of Tokyo
Atsushi Sadamatsu, The University of Tokyo

The role of experts/ideas in international economic collaborations:
The first decade of APEC
Ray-Shyng Chou, University of California, San Diego

The organizational context of trust: Genetically modified food in the United States
John Lang, Rutgers University

How Junk Became Selfish
Thierry Bardini, Université de Montréal

3.4G – Exploring Calculative Agency in Human-Machine Assemblages
Organizers: Helene Mialet, Berkeley and Natasha Schull, Columbia
Chair: Helene Mialet

“You Vote. It Counts(TM)”: Electronic voting machines, computer security research and the re-legislation of democracy.
Christopher Kelty, Rice University
When machines can’t help
Helene Mialet, UC Berkeley

Calculating calculation: The case of Dyscalculia
Tamar Posner, UC Berkeley

Helping Silences Speak: Using Positional Maps in Situational Analyses in STS Projects
Adele Clarke, University of California, San Francisco

“Really New God”: Random Number Generators, Gambling Technology, and the Enchantment of Technology
Natasha Schull, MIT

Discussant: Michael Callon, CSI Ecole des Mines, Paris

3.4I – Video Ethnography [NEW MEDIA]
Organizers: Wes Shrum, Louisiana State University; Annette Burfoot, Queens University; Jennifer Poudrier, University of Saskatchewan
Chair: Wesley Shrum, Louisiana State University

Why the Levees Broke: The Ceremony of Sheet Piles
Wesley Shrum, Louisiana State University

DNA Identification Technology in Human Rights Movements
Lindsay Smith, Harvard University

The Politics of Women’s Dowries: Western Feminism, Technology and Social Change in South India
Meredith Anderson, Louisiana State University

Protecting the Environment and Preventing Pregnancy Loss: A Conversation with Lois Gibbs, Executive Director of the Center for Health, Environment, and Justice
Linda Layne, Rensselaer Polytechnic Institute

3.4J – Measuring Health II
Chair: Jill Fisher, Arizona State University

The Art of Workarounds: two case studies of documentation systems in the healthcare sector.
Marianne Tolar, Vienna University of Technology
Nina Boulus, Simon Fraser University

The challenge of expertise in chemical related illnesses
Rebecca Diggle, Institute for the Study of Genetics

“My Next Dose?” Perspectives on the Potential Utility of Prognostic Genetic Testing in Rheumatoid Arthritis
Susan Cox, University of British Columbia

Doing Mode 2: Towards doability in nutrigenomic practice
Bart Penders, Maastricht University

Anti-ageing medicine and changing constructions of old age
Michael Morrison, University of Nottingham

Making up infertility: Stories of silence and suffering
Janelle Lamoreaux, New School for Social Research

Unscience fictions: Cloning, Secrecy, and Cultural Anxiety
Caroline Bassett, University of Sussex

Calculated Losses: Demography and the Hidden Politics of Infant Mortality
Monica Casper, Vanderbilt University
3.4C — INTERSECTIONS AND DIALOGUES ACROSS POSTCOLONIAL, FEMINIST, AND LABORATORY STUDIES OF SCIENCE
Organizers: Joan Fujimura, University of Wisconsin-Madison and Amit Prasad, University of Missouri-Columbia
Chair: Joan Fujimura

Outside the Lab/Field Site
Sandra Harding, University of California-Los Angeles

Feminist Transnational Technoscience Studies
Kavita Philip, University of California-Irvine

Colonial Contexts and Nationalist Imperatives: Caste and Gender in Modern Science in India
Abha Sur, Massachusetts Institute of Technology

Lessons from Nanobioscience in China for Science Studies
Ricky Leung, University of Wisconsin-Madison
Joan Fujimura, University of Wisconsin-Madison

Discussant: Warwick Anderson, University of Wisconsin-Madison

3.4D — INFORMATION TECHNOLOGY
Chair: Paul Wouters, Virtual Knowledge Studio

The Silent Proliferation of Virtual Reality; UnPacking the Video Game Industry
Dimitrios Gripeos, University of California Irvine and California State University, Long Beach

Eschatechnology: Computer Science, Survivalism, and Y2K
Kurt Reymers, Morrisville State College

The boundary between “protecting” and “overwatching: IC tag surveillance for children walk to school
Arisa Ema, University of Tokyo

Digital Citizenship - Older Adults in the Information Society
Birgit Jaeger, Roskilde University

Proteomics on the WWW: A Network without an Issue?
Ruth McNally, ESRC CESAGen
Peter Glasner, ESRC CESAGen

Information technologies, racialization, and the human genome
Peter Chow-White, University of Southern California

3.4M – REPRESENTING THE LOCALS: HOW INTERNATIONAL ORGANIZATIONS MAKE SCIENCE
Organizers: Jericho Burg, UC San Diego; Olga Kuchinskaya, UC San Diego
Chair: Jericho Burg

Food Insecure or Just Plain Hungry: How Humanitarian Organizations Define Famine
Jericho Burg, UC San Diego

A Categorical Conundrum: Defining “Urban Poor” in Bangalore
Simanti Dasgupta, New School for Social Research

Resistant to Treatment: The Use and Misuse of Scientific Knowledge about Drug-Resistant HIV in Africa
Johanna Crane, Univ. of California, San Francisco/UC, Berkeley
Children of Chernobyl: International Aid Efforts and the Problem of Scientific Uncertainty  
Olga Kuchinskaya, UC San Diego  

Developmentizing Poverty and Hunger Reduction in Kenya  
Marie Rarieya, Renssealer Polytechnic Institute  

Including Expert Dissent in Policy Making: A Case of AIDS, Science and the State in Post-Apartheid South Africa  
Manjari Mahajan, Cornell University  

Legacy of Cholera Research in Bangladesh: The Challenges of Science Studies in Postcolonial Context  
Saydia Kamal, Simon Fraser University  

Discussant: Wesley Shrum, Louisiana State University  

Saturday Evening  
7:00-8:00pm RECEPTION  
8:00-10:00pm PRESIDENTIAL PLENARY: SILENCE, SUFFERING AND SURVIVAL  

Reasonable Suffering  
Rebecca Herzig, Bates College  

The Irritating Noise of Learning: Silencing the Security of Elders  
Sampsa Hyysalo, Helsinki Collegium for Advanced Studies  

Suffering and Hope: A Warrant for STS  
Stefan Timmermans, UCLA  

Silence and Surviving  
Susan L. Star, Santa Clara University  

10:00-12:00PM 6S (STUDENT SECTION OF 4S) ANNUAL PARTY (CACTUS CLUB CAFÉ, 1136 ROBSON ST. +1 604 687 3278)
Sunday 9:00-10:30AM

4.1C — SECRECY, SILENCE AND CONTROL OF INFORMAL KNOWLEDGE
Organizer: Chandra Mukerji, UC San Diego
Chair: Chandra Mukerji

The Representation of Secrecy: Satellite Surveillance and the Militarization of Space
Caren Kaplan, University of California, Davis

The End of Digital Silence? First Nations Communities and SuperNet Access in Alberta, Canada
Nadine I. Kozak, University of California, San Diego

Erasure of Indigenous Women and the Authority of Engineering in 18th-Century France
Chandra Mukerji, University of California, San Diego

Healing Ancestral Wounds: Midwifery as Contested Healing Knowledge
Carol Williams, Pennsylvania State University

4.1D — TECHNOLOGY, EXPERT KNOWLEDGE, AND MARKETS
Organizer: Alex Preda, University of Edinburgh
Chair: Alex Preda

Global financial technologies: scoping systems that raise the world
Karin Knorr Cetina, University of Chicago
Barbara Grimpe, University of Konstanz

Six Degrees of Reputation: The Uses and Abuses of Online Review and Recommendation Systems
Shay David, Cornell University
Trevor Pinch, Cornell University

Silent but Salient: Social Networks and Private Spaces in Economic Forecasting
Robert Evans, University of Cardiff

Technosciences, Markets, and Dialogical Democracy
Michel Callon, Ecole des Mines

Technical Analysis, and the Forecasting of Securities Prices
Alex Preda, University of Edinburgh

4.1E — CAPITALIZING RACE IN A GENOMIC AGE: REFLECTIONS ON COMMERCE, EQUITY AND REIFICATION IN BIOTECHNOLOGY
Organizer: Jonathan Kahn, Hamline University School of Law
Chair: Jonathan Kahn

Racial Boundary-Work: Genetic Ancestry Testing in Law and Leisure
Alondra Nelson, Yale University

Pharmacogenomic Development and Global Health Disparities
Sandra Soo-Jin Lee, Stanford University

Patenting Race in a Genomic Age
Jonathan Kahn, Hamline University School of Law

Ancestry Informative Markers (AIMs): silencing the social critique of race in genetics
Stephanie Fullerton, University of Washington
Joon-Ho Yu, University of Washington
Discussant: Karen-Sue Taussig, University of Minnesota

4.1G — Biomedicine, Gender & Sexuality: The Politics & Production of “Silence”

Organizers: Katrina Karkazis, Stanford University and Karl Bryant, UCSB
Chair: Katrina Karkazis

Erasing Knowledge, Excising Pleasure: What’s Behind Technoscientific Rationales for Genital Surgery in Intersexuality
Katrina Karkazis, Stanford University

Karl Bryant, UCSB

New Silences for Old: The Use of Transgender in Medical and Public Health Discourses
David Valentine, University of Minnesota

Surfacing Men: Sexuality and the Science of AIDS in India
Harris Solomon, Brown University.

Discussant: Carole S. Vance, Columbia University

4.1H — Patients, Subjects, Power, and Ethics [Working Session]

Chair: Deborah Blizzard, Rochester Institute of Technology

Postcolonial Panic: Science, Global Capital, and the Crisis over AZT
Karen Booth, University of North Carolina at Chapel Hill

Postmenopausal Women and Medical Knowledge Making
SoYeon Park, Virginia Tech

Professional Ambivalence in Assisted Conception: What Keeps You Awake at Night?
Anne Kerr, University of Leeds, UK

Thinking on your Feet: Managing the Unexpected and the Constitution of Patient Safety
Jessica Mesman, University of Maastricht

4.1F — Re/producing and Endangering Species: Questions of Survival in the Remakings of Kin and Kind

Organizer: Astrid Schrader, UC, Santa Cruz

“Let the domestics do the reproductive work for the endangered species.” Reworking the species body
Carrie Friese, University of California, San Francisco

When Hatchery Salmon Go Wild: Population-Making, Genetic Management, and the Endangered Species Act
Heather Swanson, University of California, Santa Cruz

Intimacy Without Proximity: Encountering Grizzlies as Companion Species
Jacob Metcalf, University of California, Santa Cruz

Phantomatic Species Ontologies: Untimely Re/productions of Toxic Dinoflagellates D.
Astrid Schrader, University of California, Santa Cruz

Discussant: Donna Haraway UC Santa Cruz
4.1A — INTERSECTIONS AND DIALOGUES ACROSS POSTCOLONIAL, FEMINIST, AND LABORATORY STUDIES OF SCIENCE, PART II
Organizers: Joan Fujimura, University of Wisconsin-Madison and Amit Prasad, University of Missouri-Columbia
Chair: Amit Prasad

Having It Both Ways Since 1945: National Science Cultures and Borderless Civil Societies
Sharon Traweek, University of California-Los Angeles

Transnational Laboratories: Encountering Nations, Economies, Gender, and Postcolonialism in a Japanese Bioinformatics Laboratory
Joan Fujimura, University of Wisconsin-Madison

William James, the Dilemma of Psychical Science, and Conditions of Proof: A Postcolonial Reading
Bernadette Baker, University of Wisconsin-Madison

Amit Prasad, University of Missouri-Columbia

Discussant: Michael Fischer, Massachusetts Institute of Technology

4.1B — "EXPERTISE," LAY KNOWLEDGE, AND LOCAL ACTIVISMS: REVISITING CERTAINTY, RISK, NEUTRALITY IN LAW AND POLICY REFORM
Organizer: Paisley Currah, Brooklyn College, City University of New York
Chair: Lisa Jean Moore, Purchase College SUNY

The Social Construction of Technology and Lay Scepticism of HIV/AIDS Biomedicine
Kevin Corbett, Liverpool John Moores University

Manufacturing scientific uncertainty as a socio-institutionally enhanced practice.
Matthieu Craye, European Commission DG Joint Research Centre

‘We Don’t Know Who You Are’: Birth Certificate Policy Reform, Transgender Activism, and Medical Expertise
Paisley Currah and Lisa Jean Moore, City University of New York

Lay Knowledge: the Missing Middle of the Expertise Debates
Sarah Wilcox, Sarah Lawrence College

Feminist by Design?
Kate Boyer, Rensselaer Polytechnic Institute