

Janet Vertesi, Ph.D.

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Education

- PH.D. CORNELL UNIVERSITY**, Science and Technology Studies 2003-2009
Dissertation: “Seeing Like a Rover”: Images in Interaction on the Mars Exploration Rover Mission.
Committee: Michael Lynch, *Sociology and Philosophy of Images in Science* (M.A., Ph.D.)
Trevor Pinch, *Sociology of Science and Technology* (M.A., Ph.D.)
Phoebe Sengers, *Culturally-Embedded Computing* (Ph.D.)
Peter Dear, *History of Visual Cultures of Science 1600-1800* (M.A.)
- M.PHIL. UNIVERSITY OF CAMBRIDGE**, History and Philosophy of Science 2001-2002
Simon Schaffer, Patricia Fara, and Peter Lipton, advisors. First Class Distinction.
- B.A. UNIVERSITY OF BRITISH COLUMBIA**, Religion, Literature & the Arts; Science Studies 1996-2000
Steve Straker, Alan Richardson, advisors. First Class.
- DENMARK’S INTERNATIONAL STUDY PROGRAM**, Humanities program 1999
Highest ranked student, Humanities Program. Copenhagen, DK.

Appointments

- PRINCETON UNIVERSITY**, Society of Fellows in the Liberal Arts 2010-2013
Link-Cotsen Postdoctoral Fellow and Lecturer in Sociology. One of three fellows selected out of over 1400 applicants.
- UNIVERSITY OF CALIFORNIA, IRVINE**, Informatics Department 2009-2010
Researching sociotechnical organization of robotic spacecraft teams under Prof. Paul Dourish. Badged admission to NASA’s Jet Propulsion Laboratory to study the Cassini Mission to Saturn.

Publications

Book Projects

- “**Seeing Like a Rover**”: How Robots, Teams, and Images Craft Knowledge of Mars. University of Chicago Press, 2015.
- The Social Life of Spacecraft** (Manuscript in preparation).

Journal Publications

- Messeri, L. and Vertesi, J., “The Greatest Missions Never Flown,” **Technology and Culture**, January 2015.
- Vertesi, J. “Seamful Spaces: Heterogeneous Infrastructures in Interaction,” special issue on “The Conceptual and the Empirical in Science Studies,” *Science, Technology and Human Values*, 39.2 (2014): 264-284.
- Vertesi, J. “Seeing Like a Rover: Visualization and Embodiment on the Mars Exploration Rover Mission,” **Social Studies of Science** 42, 3 (2012): 393-414.
- Vertesi, J. (2010) “Instrumental Images: the Visual Rhetoric of Hevelius’ *Machina Coelestis*,” **British Journal for the History of Science**, 43(2): 209-243.

Vertesi, J. "Mind the Gap': The London Underground Map and Users' Experiences of Urban Space," **Social Studies of Science** 38, 1 (2008): 1-32.

Vertesi, J. (2007) "Picturing the Moon: Hevelius and Riccioli's Visual Debate," **Studies in the History and Philosophy of Science** 38: 401-421.

Refereed Proceedings

Kaye, J. 'J', J. Vertesi, J. Ferreira, B. Brown, and M. Perry: "#CHImoney: financial interactions, digital cash, capital exchange and mobile money." Extended Abstracts of CHI 2014, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 111-114

Shklovski, I. and J. Vertesi, "'Ungoogling' Publications: the Ethics and Problems of Anonymization," Extended Abstracts of CHI 2013, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 2169-2178.

Goodman, E. and J. Vertesi, "Design for 'X': Distribution Choices and Ethical Design," Extended Abstracts of CHI 2012, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 81-90.

Vertesi, J. and P. Dourish, "The Values of Data: Considering the Context of Production in Data Economies." Proceedings of CSCW 2011, **ACM Conference on Computer-Supported Co-operative Work**, New York, NY: ACM Press, pp. 533-542.

Irani, L., Vertesi, J., Dourish, P., Phillip, K. Grinter, R., "Postcolonial Computing: A Lens on Design and Development," Proceedings of CHI 2010, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp.1311-1320.

Shklovski, I, J. Vertesi, E. Troshynski, P. Dourish, "The Commodification of Location: Dynamics of Power in Location-Based Systems," in Proceedings of Ubicomp 2009, **ACM Conference on Ubiquitous Computing Systems**, New York, NY: ACM Press, pp. 11-20.

Vertesi, J. "'Seeing Like a Rover': Embodied Experience on the Mars Exploration Rover Mission," Extended Abstracts of CHI 2008, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 2323-2332.

Boehner, K., J. Vertesi, P. Sengers, P. Dourish (2007) "How HCI Interprets the Probes", Proceedings of CHI 2007, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 1077-1086.

Kaye, J., J. Vertesi et al. (2006) "To Have and To Hold: Exploring the Personal Archive," Proceedings of CHI 2006, **ACM Conference on Human Factors in Computing Systems**, New York, NY: ACM Press, pp. 275-284.

Editorships

The New Representation in Scientific Practice, edited by: C. Coopmans, J. Vertesi, M. Lynch, & S. Woolgar (MIT Press, 2014)

Journal of Human Computer Interaction, special issue on "Transnational HCI", guest edited by: I. Shklovski, J. Vertesi, S. Lindtner, and L. Suchman (January 2014).

Edited Volume Publications

Vertesi, J. "Mars in the Making: Digital Documentary Practices in Planetary Science." To appear in: **Documenting the World**, ed. K. Wilder & Gregg Mitman (University of Chicago Press, est. 2015).

C. Coopmans, J. Vertesi, M. Lynch, & S. Woolgar "Introduction: Representation in Scientific Practice Revisited." In: **Representation in Scientific Practice Revisited**, edited by: C. Coopmans, J. Vertesi, M. Lynch, & S. Woolgar (MIT Press, 2014), pp.1-13.

I. Shklovski, J. Vertesi, S. Lindtner, and L. Suchman. "Introduction to this special issue on Transnational HCI," **Journal of Human-Computer Interaction**, 29.1 (2014): 1-21.

Vertesi, J. "Drawing As: Distinctions and Disambiguation in Digital Images of Mars." To appear in: **The New Representation in Scientific Practice**, ed. C. Coopmans, M. Lynch, J. Vertesi & S. Woolgar (MIT Press, 2014): pp. 15-36.

Vertesi, J. "Pygmalion's Legacy: Cyborg Women in Science Fiction", in Margret Grebowitz (ed) **Sci Fi in the Mind's Eye: Reading Science through Science Fiction**, New York: Open Court, 2007.

Invited Publications

Vertesi, J. (2015). "A sociology of robots? Learning from NASA's robotic planetary missions." **Contexts** magazine, fall 2015.

Vertesi, J. (2015) "How evasion matters: implications of surfacing data-trafficking online," **Interface**, fall 2015.

Vertesi, J. (2013) "Review: Down to Earth: Satellite Technologies, Industries, and Cultures." **Technology and Culture** Vol. 54: 1008-1010.

Vertesi, J. (2013) "Review: Martian Summer: Robot Arms, Cowboy Spacemen, and My 90 Days with the Phoenix Mars Mission by Andrew Kessler," **Quest Magazine for the History of Spaceflight**, 20.4.

Vertesi, J. (2012) "Review: Axel Geppert, ed., *Imagining Outer Space*," **Quest Magazine for the History of Spaceflight**, 19.4.

Vertesi, J., (2011) "Tweeting Spacecraft." **Communicating Astronomy to the Public Journal**, January, 2011.

Vertesi, J., R. Pappalardo, et al. (2009) "Sociological Considerations for the Success of Planetary Exploration Missions," White paper submitted to the **National Academies Planetary Science Decadal Survey**.

Vertesi, J. (2009) "Robots in Space," **Ambidextrous**, Spring 2009: 32-33

Vertesi, J. (2008) "Review: Hans Radder, *The World Observed/The World Conceived*," **International Studies in the Philosophy of Science** 22 (3): 333-336.

Vertesi, J. (2004) "Sicily, or Sea of Tranquility? Mapping and Naming the Moon," **Endeavour** 28 (2): 64-68.

Media and Press Coverage

The Problem with Police Body Cameras, **Time Opinion**, May 4, 2015.

What SciFi Got Wrong About the Apple Watch: Vanity. **Time Opinion**, April 24, 2015.

Stop Counting on Individuals to Stop California's Water Crisis. **Time Opinion**, April 20, 2015.

"Celebrity Nude Photo Hack Exposes Flaw In How We Think About Privacy and the Cloud," **Time Opinion** September 2, 2014

"The Real Reason You Should Be Worried About That Facebook Experiment," **Time Opinion** July 2, 2014.

"My Experiment Opting Out of Big Data Made Me Look Like a Criminal," **Time Opinion** May 1, 2014. Also covered at: **Mashable.com, Huffington Post, Think Progress, Forbes.com, Jezebel, The Guardian, BoingBoing, The Globe And Mail, CTV News, NPR**, and others.

"Don't Gut NASA Space Missions," **CNN Opinion** December 14, 2013.

"Give Apple Maps a Chance." **CNN Opinion**, October 7, 2012.

On-air guest, "Your Call," **KALW 91.7fm**, "What's the future of space exploration?", August 15, 2012.

"Seminar's Relevance." **The Daily Princetonian**, April 4, 2012.

"Lost in Space? cuts to NASA Threaten Innovation, Diplomacy." **PBS Need To Know**, February 27, 2012

Vertesi, J. "Where are the Women in Tech Top 30 Under 30?" **Op Ed Forbes Woman**, December 21, 2011.

Featured in: "Our Favorite Martians," **Smithsonian Air & Space Magazine**, February 2010.

Featured in: "Subway Starts," **National Geographic**, History Section, July 2008.

Conference Activities

Workshops Organized

Vertesi, J. and D. Ribes, "Digital STS Handbook," pre-conference workshop at **Society for Social Studies of Science**, in Denver, CO November 2015.

Vertesi, J. and D. Ribes, "Digital STS Handbook San Diego Workshop," pre-conference workshop at **Society for Social Studies of Science**, in San Diego, CA, October 8-9 2013.

Loukissas, Y., Forlano, L., Vertesi, J. and D. Ribes, "Digital STS Makers' Workshop," Harvard University, June 27-28, 2013.

Vertesi, J. "The Ethnographer in the Network," a workshop organized at **Princeton University Sociology Department**. June 21-23, 2013

Vertesi, J. and D. Ribes, "Digital STS," pre-conference workshop at **Society for Social Studies of Science**, Copenhagen, DK, October 16-17, 2012.

Vertesi, J., Lindtner, S., Shklovski, "Transnational HCI: Humans, Computers and Interactions in Transnational Context," *Extended Abstracts of CHI 2010*, **ACM Conference on Human Factors in Computing Systems**, Vancouver, BC, pp.61-64.

Lindtner, S., I. Shklovski, J. Vertesi, and P. Dourish, "Transnational Times: globality, Locality and Mobility in Technology Design and Use," *Extended Abstracts of Ubicomp 2010*, **ACM Conference on Ubiquitous Computing Systems**, Copenhagen, DK, pp. 515-518.

DiSalvo, C. and J. Vertesi, "Imaging the City: Exploring the Practices and Technologies of Representing the Urban Environment" *Extended Abstracts of CHI 2007*, **ACM Conference on Human Factors in Computing Systems**, San Jose, CA, pp. 2829-2832.

Panels Organized

"DigitalSTS" a triple panel event, with David Ribes, **Society for Social Studies of Science Society Annual Meeting**, Denver, CO, November, 2015.

STS 2.0: Taking the Canon Digital," with David Ribes, **Society for Social Studies of Science Society Annual Meeting**, Cleveland, OH, November 2, 2011.

"Robots Across Cultures," with Selma Sabadovic, **Society for Social Studies of Science Society Annual Meeting**, Tokyo, Japan, August 26, 2010.

"Organization Matters: Social Organization of Scientific and Technical Work in Research Labs, Teams and Groups," with Annalisa Saloni, **Society for Social Studies of Science Society Annual Meeting**, Washington, DC, October 31, 2009.

"Visual Ways of Knowing," at **Society for Social Studies of Science Annual Meeting**, Montreal, Quebec, October 11, 2007.

“Detailing and Disciplining: Producing the Material Elements of Natural and Social Orders,” with Michael Lynch, **Society for Social Studies of Science Conference**, Vancouver, BC, November 2, 2006.

“Divergence: Object, Intermediary, User” with Michael Lynch and Rachel Prentice, **Society for Social Studies of Science Conference**, Pasadena, CA, October 24, 2005.

Invited Talks

“How not to let the Internet know that you’re pregnant: a nine-month infrastructural inversion.” Plenary panel, **Theorizing the Web**, Brooklyn, NY, April 24, 2014.

“Robotic Biographies,” **Science Museum**, London, Keynote plenary coinciding with the Scientific Biographies Workshop, July 18 2013.

“Seeing Like a Rover,” **San Francisco Exploratorium** After Dark Lecture Series, August 2, 2012.

Plenary Panelist, **NASA Goddard Telerobotics** Symposium, May 2, 2012.

“The Greatest Missions Never Flown,” with Lisa Messeri at **Envisioning Limits** conference, Freie University Berlin, April 20, 2012; **History of Science Program Seminar**, Princeton University March 30, 2012.

Panelist, Collaborative Robotics Panel, 2011 **International Conference on Collaborative Technologies and Systems**, May 24, 2011.

“Seeing Like a Rover: Images and Interaction on the Mars Rover Mission” at **Princeton Old Guard**, May 23, 2012; **Wesleyan University** course, “Interpreting Life on Mars,” April 26, 2011; **Princeton University School of Architecture Media and Modernity** Seminar Series, October 11, 2010; Cambridge **History and Philosophy of Science Department** Twentieth-Century Think Tank, June 2, 2009; **NASA Ames Research Center** Intelligent Systems Division, November 3, 2008; **M.I.T. Space Policy and Society Program**, February 6, 2008.

Discussant Panelist: “What is Code? What is Coding? Emerging STS Approaches in Studying Computer Code,” **Society for Social Studies of Science Society Annual Meeting**, Washington, DC, October 29, 2009.

“The Social Life of Spacecraft.” **Georgia Institute of Technology** GVI Interdisciplinary Center, February 23, 2012; *NASA Cassini Project Science Group Meeting* (February 2, 2010), **NASA Europa Jupiter System Mission** meeting (January 28, 2010); **NASA Outer Planets Advisory Group** (February 9, 2010).

“Collective Visions,” **Innovation, Technology and Society Conference**, Northwestern University & Chicago Booth School of Business, Chicago, IL, October 15, 2011.

“Doing Science on Saturn and Mars: The Micro-Politics of Robotic Space Exploration.” The Politics of Technology Session (chair: P. DiMaggio), **American Sociological Association Annual Meeting**, Las Vegas NV, August 21 2011.

“The Values of Data,” **Center for Information Technology Policy**, Princeton University, March 3, 2011.

“Of Humans and Non-Humans: An Introduction to STS.” **Princeton University Society of Fellows**, October 16, 2010.

“‘Drawing As’: Documenting Mars on the Mars Exploration Rover Mission,” *Documenting the World*, **Max Planck Institute for the History of Science**, Berlin, Germany, January 7-9 2010.

“‘Pixel-Pushing’ and ‘Lookiloo’: Image Processing on the Mars Exploration Rover Mission,” *The Educated Eye*, **Max Planck Institute for the History of Science**, Berlin, Germany, February 21-24, 2008.

“The Practical Management of Visual Technologies on the Mars Exploration Rover Mission,” at *Scientific Practice As Ordinary Action Workshop*, **Université de Fribourg**, Switzerland, March 22-24 2007.

Conference Presentations

- “‘Being Multiple: Multi-mission and multi-institutional work in NASA’s robotic space exploration program,” **Society for Social Studies of Science Society Annual Meeting**, Denver, CO, November 2015.
- “The Shape of Science,” **Quantifying Science** workshop, Phoenix AZ, October 2015.
- “Powerpoint and Excel: Representational Strategies and Work Practices with Mundane Electronic Documents,” **Society for Social Studies of Science Society Annual Meeting**, San Diego, CA, October 11, 2013.
- “Making Mars: Image Processing and Formulating Agreement on the Mars Rover Mission,” **International Institute for Ethnomethodology and Conversation Analysis**, Waterloo, ON, August 7, 2013.
- “Un-Googleing Publications: the Ethics and Problems of Anonymization,” (with Irina Shklovski, IT University Copenhagen*), Alt.CHI session, **ACM Conference on Human Factors in Computing Systems**, Paris, France, May 1, 2013.
- “Producing Space: The Infrastructures of Planetary Exploration,” Spatio-Temporalities Session (chairs D. Ribes and P. Edwards), **Society for Social Studies of Science Society Annual Meeting**, Copenhagen, DK, October 18, 2012
- “The Art (and Artifacts) of Mentorship: Student Advising and Extra-Ordinary Action,” Session in honor of Michael Lynch, **Society for Social Studies of Science Society Annual Meeting**, Copenhagen, DK, October 18, 2012.
- “Design for ‘X’: Distribution Choices and Ethical Design,” with Elizabeth Goodman, Alt.CHI session, **ACM Conference on Human Factors in Computing Systems**, Austin, TX, May 7, 2012.
- “Remote, Together: Coordinating Activity on Saturn and on Earth,” **Society for Social Studies of Science Society Annual Meeting**, Cleveland, OH, November 1, 2011.
- “The Values of Data: Considering the Context of Production in Data Economies.” **ACM Conference on Computer-Supported Co-operative Work**, Hangzhou, China, March 23, 2011.
- “Robotic Spacecraft in (Sub)cultural Context -- and Conflict.” **Society for Social Studies of Science Society Annual Meeting**, Tokyo, Japan, August 26, 2010.
- “The Social Life of Spacecraft: Organization, Negotiation, and Instrumentation on the Cassini and Mars Rover Missions,” **Society for Social Studies of Science Society Annual Meeting**, Washington, DC, October 30, 2009.
- “The Commodification of Location: Dynamics of Power in Location-Based Systems,” with Irina Shklovski, **ACM Conference on Ubiquitous Computing Systems**, Orlando, FL, October 1, 2009.
- “Seeing Like a Rover, Acting With a Rover: Embodied Interaction on the Mars Exploration Rover Mission,” **Society for Social Studies of Science Society Annual Meeting**, Rotterdam, NL, August 21, 2008.
- “‘Seeing Like a Rover’: Embodied Experience on the Mars Exploration Rover Mission,” Alt.CHI session, **ACM Conference on Human Factors in Computing Systems**, Florence, Italy, April 9, 2008.
- “Making Mars Public: The Politics of the Martian Picturesque,” at **Cornell Science and Technology Studies Seminar Series** (SSRG), November 4, 2007.
- “‘Everything is Coloured According to Your Hypothesis’: Annotations and the Construction of Visual Knowledge on the Mars Exploration Rover Mission,” at **Society for Social Studies of Science Annual Meeting**, Montreal, Quebec, October 10-13 2007.
- “Taming the Pancam: Calibration on the Mars Exploration Rover Mission,” at **American Sociological Association Annual Meeting**, New York, NY, August 10-14, 2007.

“How HCI Interprets the Probes”, with Kirsten Boehner and Phoebe Sengers. **ACM Conference on Human Factors in Computing Systems**, San Jose, CA, 2007.

“Images of Instruments: The Visual Rhetoric of Virtual Witnessing in Hevelius’ *Organographia*”, at “At the Edge of Instrument Studies” Session (chair), **History of Science Society Conference**, Vancouver, BC, November 4, 2006.

“Drawing As: Image Processing on the Mars Exploration Rover Mission”, **Society for Social Studies of Science Conference**, Vancouver, BC, November 2, 2006.

“To Have and To Hold: Exploring the Personal Archive,” with Jofish Kaye, **ACM Conference on Human Factors in Computing Systems**, Montreal, Canada, DATE 2006.

“Planets in Process: Disciplining the Astronomical Body in Image Processing” at *Practice, Process, Papers*, **STS Graduate Students’ Conference**, Cambridge, MA, February 18, 2006.

“Mind the Gap: The ‘Tube Map’ as London’s User Interface”, at **Society for Social Studies of Science Conference**, Pasadena, CA, October 24, 2005. Also at **Cornell Science and Technology Studies Seminar (SSRG)**, September 20, 2004.

“Probing Cultural Health Practices: Qualitative Research Methods for S&TS and Value-Sensitive Design”, **Intel Corporation**, Portland OR, August 12, 2005; also at **Science and Technology Studies Seminar (SSRG)**, August 29, 2005.

“From Telescopes to STM’s: Picturing Nano-Atoms in (Historical) Context”, *Imaging Nano-Space*, **Zentrum for Interdisziplinäre Forschung**, Bielefeld, Germany, May 10-14, 2005.

“Identity Construction in the Personal Archive”, **Science and Technology Studies Seminar (SSRG)**, October 4, 2004.

“Light and Enlightenment in Joseph Wright of Derby’s *The Alchymist*” at **Romanticism and the Midlands Enlightenment Conference**, Birmingham, UK, July 3, 2004.

“Picturing the Moon: Hevelius and Riccioli’s Visual Debate”, Art and Artefact: Visual Languages in Astronomy session, **History of Science Society Conference**, Cambridge MA, November 21, 2003; Microscopes and Macroscopes session, *Visual Knowledge Conference*, **Institute for Advanced Studies in the Humanities, University of Edinburgh**, September 18, 2003; **Visual Culture Colloquium**, Cornell University, September 26, 2005.

“Visual Testimony: An Epistemology of Scientific Illustration”, History of Science Workshop Seminar, **History and Philosophy of Science Department, Cambridge University**, June 16, 2002.

Invited Workshop Participation

Knowledge Infrastructures Workshop, Ann Arbor, MI, May 25-28, 2012.

Consortium for the Science of Sociotechnical Systems, Portland, OR, June 21-23, 2010.

“Cyberinfrastructure in Interplanetary Collaboration: The Case of the Mars Exploration Rover Mission,” *Cyberinfrastructure to Support Science Workshop*, **ACM Conference on Computer Supported Cooperative Work**, San Diego, CA November 8-12, 2008. Accepted participant, Workshop.

“Reflection in Practice: Intercultural Probes as Methodology for Reflective Design”, at *Reflective HCI: Articulating a Research Agenda For Critical Practice Workshop*, **ACM Conference on Human Factors in Computing Systems**, Montreal, April 22, 2006.

“Mind the Gap: The ‘Tube Map’ as London’s User Interface”, *Engaging the City: Public Interfaces as Civic Intermediary Workshop*, **ACM Conference on Human Factors in Computing Systems**, Portland, OR, April 2-7 2005.

Pictures, Maps, Graphs: A Workshop on Images in Science, University of British Columbia, Vancouver, BC, September 15-18, 2005 (one of 14 selected participants).

Affect, Interaction & Technology, Cornell University, April 21-22, 2005.

Do Collections Matter to Instrument Studies? **British Society for History of Science** special meeting, Oxford University, UK, June 29-30 2002.

Grants & Prizes

Grants

NSF EAGER: INTELLIGENT SYSTEMS DIVISION	\$278,743.00
<i>Grant for research on the Europa Clipper Mission, July 2015 - 2017.</i>	
YAHOO! RESEARCH	\$40,000
<i>Faculty Research Engagement Program fellowship recipient for project on personal data practices.</i>	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	\$45,000
<i>Grant for research into sociotechnical teaming architectures for the Europa Clipper Mission.</i>	
NSF: DIVISION FOR ADVANCED CYBERINFRASTRUCTURE	\$15,000
<i>Digital STS Workshop series. Co-PI (without funding). June 2013-September 2014.</i>	
MICROSOFT CORPORATION	\$6,000
<i>Grant for Digital STS Workshop at Harvard University, June 2013.</i>	
NSF RESEARCH COORDINATION NETWORK IN DIGITAL SOCIETIES	\$500
<i>Grant for Digital STS Workshop, October 2012 Copenhagen</i>	
SLOAN FOUNDATION DIGITAL RESEARCH GRANT	\$6,000
<i>Grant for Digital STS Workshop, October 2012, Copenhagen.</i>	
NSF GRANT: SOCIO-COMPUTATIONAL SYSTEMS	\$749,257.00
<i>"From Cyberspace to OuterSpace: Socio-Computational Approaches to Planetary Exploration."</i>	
Principal Investigator, managing subaward to UCI Informatics department. Focused research on NASA-ESA-ASI Cassini Mission to Saturn, especially distance work, temporality, and organizational logics; supervision of undergraduate and graduate projects. 3-year grant, 2010-2013.	
NSF GRANT: VIRTUAL ORGANIZATIONS AS SOCIOTECHNICAL SYSTEMS	\$218,091
<i>"The Social Life of Spacecraft: The Organization of Interplanetary Sociotechnical Systems."</i>	
Project with Paul Dourish, UCI, producing a comparative analysis of spacecraft operations with the Cassini mission to Saturn. 18 month grant: 2009-2010.	
HISTORY OF SCIENCE SOCIETY/NASA HISTORY OFFICE FELLOWSHIP	\$17,000
<i>Fellow in the History of Space Sciences</i>	
For historical study of the Mars Exploration Rovers, Viking, Voyager and Galileo Missions. Archival work at the NASA Ames History Office and oral history interviews, 2008-2009.	
MELLON GRADUATE FELLOWSHIP, CORNELL SOCIETY FOR THE HUMANITIES	\$25,000
One of two graduate students selected for residence at the Society for the Humanities, 2007-2008.	
NSF DOCTORAL DISSERTATION IMPROVEMENT FELLOWSHIP	\$8,000
For Dissertation, <i>Images in Interaction on the Mars Exploration Rover Mission</i> , 2007-2008.	
SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL DOCTORAL FELLOWSHIP	\$60,000
From the SSHRC, Canada, for doctoral studies and research, 2003-2006.	

Awards & Honors

DAVID EDGE PRIZE	2014
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From the Society for Social Studies of Science for the best paper published in the field in 2013-14..

OUTSTANDING STUDENT LEADER, OUTSTANDING ORGANIZATION EVENT 2008

From Cornell Student Activities Office for leadership as President of graduate student body, and founding the Grad Ball, now an annual event.

BEST PAPER NOMINATION (HONORABLE MENTION) 2007

2007 from SIGCHI Best of CHI Committee, for paper "How HCI Interprets the Probes," with Kirsten Boehner, Phoebe Sengers and Paul Dourish.

HACKER-MULLINS PRIZE, AMERICAN SOCIOLOGICAL ASSOCIATION 2006

From the Science, Knowledge and Technology Section for "Mind the Gap: The London Underground Map and Users' Representations of Urban Space."

SAGE FELLOWSHIP 2003-2009

2003-2009 from Cornell University.

ACTION CANADA FELLOW 2003-2004

One of twenty young Canadians selected for public policy and leadership training program, involving group plan & implementation of a project to improve Canadian life. Team developed diversity training program for rural and urban youth in Nova Scotia.

YWCA VANCOUVER WOMAN OF DISTINCTION AWARD NOMINEE 2003

Young Women of Distinction category.

COMMONWEALTH SCHOLARSHIP 2001-2002

Commonwealth Scholarship and Fellowship Plan award to attend Cambridge University.

KEITH CLIFFORD MEMORIAL PRIZE AND MARY LOUISE STANWOOD PRIZE 2000

From the University of British Columbia for highest standing in Religious Studies and highest standing in Childrens' Literature, respectively.

BRITISH COLUMBIA PREMIER'S AWARD 1996

For top graduating student in the Vancouver region including academics, leadership and extra-curricular activities.

FIRST PRIZE, ROYAL COMMONWEALTH ESSAY COMPETITION 1990 & 1996

First Prize winner for Province of British Columbia.

Undergraduate Teaching

SOCIOLOGY OF TECHNOLOGY

Primary Instructor, Junior Seminar SOC 355

Fall 2010, Fall 2011, Spring 2014

Junior sociology seminar on the relationships between society and technology; introduction to sociology of technology from the bicycle to Facebook.

SOCIOLOGY OF THE CUBICLE: WORK, TECHNOLOGY, AND ORGANIZATIONS Fall 2013, 2015

Primary Instructor, Lecture Course (SOC 346)

Junior sociology lecture course on an introduction to organizational sociology, taught through the lens of the technology industry and interest in the technologization of the workforce.

SOCIOLOGY OF SCIENCE Spring 2013

Primary Instructor, Junior Seminar (SOC 356)

Junior sociology seminar on the relationships between science and society; introduction to sociology of science from laboratory studies to science policy.

CRITICAL APPROACHES TO HUMAN-COMPUTER INTERACTION

Primary Instructor, SOC/COS 409 Spring 2012
Senior seminar on qualitative, critical, design-based and arts-inspired approaches to HCI; included producing a class project on technologies to augment the seminar experience.

THE ART OF SCIENCE, THE SCIENCE OF ART

Primary Instructor, Freshman Seminar (FRS 140 / S&TS 126.1) Spring 2011, Fall 2004
Designed and taught a Freshman Seminar (Princeton) and Writing Seminar (Cornell) on of 11 students (participation by application only) exploring the relationships between science and the arts.

COMPUTERS: FROM THE 17TH CENTURY TO THE DOT COM BOOM

Teaching Assistant, STS 355 Fall 2005
Broad history of the computer, from early computational devices to the internet age.

SCIENCE IN THE PUBLIC ARENA

Teaching Assistant, STS 101 Fall 2005
Freshman seminar course on issues in contemporary science related to policy and decision-making.

WHAT IS SCIENCE?

Teaching Assistant, STS 201 Spring 2005
Basic sociology of science course; contributed history of science lectures to class of 120 students on correlated themes; led two discussion sections of 35 students each.

Service

University Service

Steering Group Member of **Princeton University Digital Humanities Working Group** (2011-ongoing): facilitated workshops to produce a Digital Humanities Initiative for Princeton enrolling over twenty different departments and staff units across campus;

President of **Cornell's Graduate and Professional Student Assembly** (2007-2008): spearheaded Graduate Community Initiative to transform graduate student life at Cornell, negotiated for a graduate student seat on the Board of Trustees;

Events Chair of **Cornell's Graduate and Professional Student Assembly** (2004-2006): founded and planned the first two Graduate Student Balls in April, 2005 and 2006;

Co-Chair of **Cornell's University Assembly** 2005-2006, joint assembly of Faculty, Staff, Undergraduate and Graduate student representatives;

Coordinator of **Science & Technology Studies Department Science Studies Reading Group** seminar series, 2005-2006; instituted new policies and variety in the program from lectures to departmental discussions;

Associate Director, **International Programs, Faculty of Forestry, UBC**. 2002-2003. Implemented international recruitment strategy, designed promotional material, established institutional linkages and Study Abroad program for visiting students.

Executive Committee Member for first-ever **freshman orientation event, Imagine UBC**, in 1997, including logistical planning of activities such as a campus-wide scavenger hunt, an evening festival, and management of over 4,000 incoming students and hundreds of volunteers.

Executive Assistant, **Thinking the Future of Learning Conference**, University of British Columbia 1997. Event co-ordinator for incoming UBC president's inaugural conference on undergraduate education initiatives, involving production of a video with interviews with 12 faculty deans and students.

Student Ambassador: Head tour guide at **UBC Student Recruitment Services** for international and domestic prospective students. Implemented database, compiled statistics, trained new guides, and visited high school classes, 1997-2001.

Peer Review

Social Studies of Science
Science, Technology & Human Values
ACM Conference on Human Factors In Computing Systems
ACM Conference on Computer-Supported Cooperative Work
The National Science Foundation
The Swiss National Science Foundation
The Sociological Review
Studies in the History and Philosophy of Science
International Journal for the Philosophy of Science
Transportation Systems Research Part A: Policy and Practice.
Politics of Place
Eighteenth-Century Life

Conference Service

Co-Chair, alt.CHI section, **ACM Conference on Human Factors in Computing Systems**, 2016.
Program Committee, **ACM Conference on Human Factors in Computing Systems**, “Beyond the Individual” Subcommittee, 2012.
Program Committee, **Society for Social Studies of Science Annual Meeting**, 2011
Program Committee member, **ACM Conference on Ubiquitous Computing**, 2012.

Professional Memberships

Society for Social Studies of Science (2003-present)
Association of Computing Machinery (2005-present)
American Sociological Association (2006-present)

Research & Work Experience

Research Positions

CONSULTANT	2010-2012
<i>Europa Jupiter System Mission, NASA Jet Propulsion Laboratory, Pasadena, CA</i> Mission social scientist tasked with considering the sociotechnical and scientific implications of teaming arrangements on an upcoming NASA mission to the Jupiter system.	
HUMAN FACTORS ENGINEER	2005
<i>User-Centered Design Group, Intel Corporation, Portland, OR</i> Primary research on cultural norms of health and aging in international markets (esp. India and China), to propose design solutions for prospective technological devices.	
SPECIAL COLLECTIONS ASSISTANT	2003-2005
<i>Kroch Rare Books and Manuscript Collection, Cornell University Library, Ithaca, NY</i> Cataloguing and inventory of Lavoisier Manuscript Collection in history of chemistry, with special emphasis on Madame Lavoisier’s visual production.	

RESEARCH ASSISTANT: HISTORY OF MATHEMATICS

2000-2001

Prof. Len Berggren & Prof. Jon Borwein, Mathematics Dept., Simon Fraser University, Burnaby, BC, Canada
History of irrational numbers and history of pi for two book projects

Relevant Work Experience

LEON AND THEA KOERNER FOUNDATION

Executive Secretary

2000-2001

Arts granting agency, included physical and computational systems upgrade.

MUSIC FROM THE MISTS

Musician, Co-Founder, and Manager

1997-2001

Joint founder of busy small business providing musical services for weddings and local businesses. Handled finances, marketing, event planning, and web presence.

Translation

Translator/Editor: Beretta, M. **The Alchemy of Glass: Counterfeit, Imitation and Transmutation in Ancient Glassmaking.** New York: Watson International, 2010.

Translator/Editor: Beretta, M. (ed), **Lavoisier in Perspective**, Deutches Museum Press, 2005.

Translator: Barthel, L. **Au Coeur de l'Harpe: au XVIIIème siècle / The Heart of the Harp: the History of the Harp in the Eighteenth Century**, Paris: Camac Publications, 2005.

Skills

Languages

Native speaker of **ENGLISH**, fluent in **FRENCH**; capable in **SPANISH**; conversational **GERMAN**, **DANISH**, **ITALIAN**, and **HUNGARIAN**; some (Attic) **GREEK** and **LATIN**.

Interests

JAZZ HAPIST and selected member of endowed jazz ensemble in Cornell University Jazz program 2005-2009; award-winning singer in Vancouver's Kiwanis Music Festival 1992-1998; extensive semi-professional Musical Theatre performance 1992-1999.

SCIENCE COMMUNICATOR: Radio host, presenting original segments on topics in contemporary science on Science Corner on CKNW980 Vancouver's *Jennifer Mathers Show*; *The Science Show* on Cambridge University Radio; and Cambridge student science TV show *Science Sussed*;

MUSEUM STUDIES: Designed and implemented museum display "Looking at the Moon" in the main gallery of the *Whipple Museum for History of Science*, Cambridge, UK.

UNIVERSITY PREPAREDNESS: Designed and taught two courses for high school students at UBC Connect 2001: 'Science and Society' and 'Science and Art'.

INTERNET SAFETY INSTRUCTOR: pioneered position with Vancouver Police Department to reduce internet crime; developed and presented outreach education programs to promote family safety online; member of *Cyberangels* internet safety squad, 2001-2003.