CURRICULUM VITAE

Steven J. Jackson
Associate Professor
Department of Information Science, Cornell University
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CURRENT AND PRIOR APPOINTMENTS

Associate Professor – Department of Information Science, Cornell University (2013-)
   Graduate field memberships: Information Science, Communication, Science and
   Technology Studies, Public Affairs.

Assistant Professor – Department of Information Science, Cornell University (2011-2013)

Assistant Professor – School of Information, University of Michigan (2008-2011)

Assistant Professor / Research Investigator – School of Information, University of Michigan
   (2005-2008)

Adjunct Assistant Professor – Department of Communication Studies, University of Michigan
   (2005-2011)

EDUCATION

Ph.D. in Communication and Science Studies – University of California, San Diego (2005)
Dissertation: "Building the Virtual River: Numbers, Models, and the Politics of Water in
California"
   Advisors: Geoffrey C. Bowker and Robert Horwitz; Committee members: Gary Fields,
   Chandra Mukerji, Steven Epstein, Andrew Lakoff.

2004-2005 Doctoral Fellow – National Center for Digital Government, John F. Kennedy School
   of Government, Harvard University.

M.A. in Political Economy – Carleton University, Ottawa, Canada (1999)
Thesis: "Communication, Modernization, and Information-led Development: The Case of
Malaysia's Multimedia Super Corridor"
   Advisor: Vincent Mosco; Committee members: Dwayne Winseck, Wallace Clement

B.A. in English and Creative Writing – Concordia University, Montreal, Canada (1994)

SELECTED PUBLICATIONS

Competitive Peer-Reviewed Conferences:
(archival and peer-reviewed on basis of full paper submission; acceptance rates listed where published)

Steven J. Jackson and Sarah Barbrow, "Standards and/as Innovation: Protocols, Creativity, and Interactive Systems Development in Ecology," in *Proceedings of the 2015 Computer-Human Interaction (CHI) Conference*, Seoul, April 2015. *[acceptance rate: 23%]* **** Best of CHI Honorable Mention Award (top 5%) ****

Syed Ishtiaque Ahmed, Nusrat Jahan, and Steven J. Jackson, "Residual Mobilities: Infrastructural Displacement and Post-Colonial Computing in Bangladesh," in *Proceedings of the 2015 Computer-Human Interaction (CHI) Conference*, Seoul, April 2015. *[acceptance rate: 23%]*

Syed Ishtiaque Ahmed and Steven J. Jackson, "Learning to Fix: Knowledge, Collaboration, and Mobile Phone Repair in Dhaka, Bangladesh," in *Proceedings of the 2015 Information and Communication Technologies for Development (ICTD) Conference*, Singapore, May 2015.

Amy Cheatle and Steven J. Jackson, "Digital Entanglements: Craft, Computation and Collaboration in Fine Art Furniture Production," in *Proceedings of the 2015 Computer Supported Cooperative Work (CSCW) Conference*, Vancouver, March 2015. *[acceptance rate: 28%]* **** honorable mention, best paper award (top 5%) ****

Stephanie Steinhardt and Steven J. Jackson, "Anticipation Work: Cultivating Vision in Collective Practice," in *Proceedings of the 2015 Computer Supported Cooperative Work (CSCW) Conference*, Vancouver, March 2015. *[acceptance rate: 28%]* **** honorable mention, best paper award (top 5%) ****

Richmond Wong and Steven J. Jackson, "Wireless Visions: Infrastructure, Imagination, and U.S. Spectrum Policy," in *Proceedings of the 2015 Computer Supported Cooperative Work (CSCW) Conference*, Vancouver, March 2015. *[acceptance rate: 28%]* **** honorable mention, best paper award (top 5%) ****

Steven J. Jackson and Syed Ishtiaque Ahmed, "Learning, Innovation and Sustainability Among Mobile Phone Repairers in Dhaka, Bangladesh," in *Proceedings of the 2014 Design of Interactive Systems (DIS) Conference*, Vancouver, June 2014. *[acceptance rate: 25%]*

Steven J. Jackson and Leo Kang, "Breakdown, Obsolescence and Reuse: HCI and the Art of Repair," in *Proceedings of the 2014 Computer-Human Interaction (CHI) Conference*, Toronto, April 2014. *[acceptance rate: 23%]* **** Best of CHI Honorable Mention Award (top 5%) ****

Syed Ishtiaque Ahmed, Steven J. Jackson, Nova Ahmed, Hasan Ferdous, Md. R. Rifat, Abu S. Rizvi, Shamir Ahmed, and Rifat Mansur, "Protibadi: A Platform for Fighting Sexual Harassment in Urban Bangladesh," in *Proceedings of the 2014 Computer-Human Interaction (CHI) Conference*, Toronto, April 2014. *[acceptance rate: 23%]*

Leo Kang, Taezoo Park, and Steven J. Jackson, "Scale: Human Interactions With Broken and Discarded Technologies," *CHI Interactivity: Proceedings of the 2014 Computer-Human Interaction (CHI) Conference*, Toronto, April 2014. *[acceptance rate: 23%]*

Steven J. Jackson, Tarleton Gillespie, and Sandra Payette, "The Policy Knot: Reintegrating Policy, Practice and Design in CSCW Studies of Social Computing," in *Proceedings of the 2014 Computer Supported Cooperative Work (CSCW) Conference*, Baltimore, MD, Feb 2014. *[acceptance rate: 27%]* ***honorable mention, best paper award (top 5%)***

Stephanie Steinhardt and Steven J. Jackson, "Reconciling Rhythms: Plans and Temporal Alignment in Collaborative Scientific Work," in *Proceedings of the 2014 Computer Supported Cooperative Work (CSCW) Conference*, Baltimore, MD, Feb 2014. *[acceptance rate: 27%]*

Stephanie Steinhardt and Steven J. Jackson, "Material Engagements: Putting Plans and Things Together in Collaborative Ocean Science," in *Proceedings of the 2014 Hawaii International Conference on Systems Science (HICSS)*, Hawaii, Jan 2014. *[acceptance rate: 50%]*

Syed Ishtiaque Ahmed, Steven J. Jackson, Maruf Zaber, Mehrab Bin Morshed, Md. Habibullah Bin Ismail, and Sharmin Afrose, "Ecologies of Use and Design: Individual and Social Practices of Mobile Phone Use Within Low-Literate Rickshawpuller Communities in Urban Bangladesh," in *Proceedings of the 2013 ACM Computing for Development Conference (ACM-DEV)*, Cape Town, South Africa, December 6-7, 2013. *[acceptance rate: 33%]*

Steven J. Jackson and Sarah Barbrow, "Infrastructure and Vocation: Field, Calling, and Computation in Ecology," in *Proceedings of the 2013 Computer-Human Interaction (CHI) Conference*, Paris, France, April 27-30, 2013 *[acceptance rate: 20%]* ***Best of CHI Honorable Mention Award (top 5%)***

Steven J. Jackson, Stephanie Steinhardt, and Ayse Buyuktur, "Why CSCW Needs Science Policy (and Vice-Versa)," in *Proceedings of the 2013 Computer-Supported Cooperative Work (CSCW) Conference*, San Antonio, Texas, Feb 23-27, 2013. *[acceptance rate: 25%]*

Steven J. Jackson, Alex Pompe and Gabriel Krieshok, "Repair Worlds: Maintenance, Repair, and ICT for Development in Rural Namibia," in *Proceedings of the 2012 Computer-Supported Cooperative Work (CSCW) Conference*, Seattle, Washington, Feb 11-15, 2012. *[acceptance rate: 40%]*

Radaphat Chongthammakun and Steven J. Jackson, "Computerization and Control: ICTs and Managerial Reform in the Thai Public Sector," in *Proceedings of the 2012 iConference*, Toronto, Ontario, Feb 8-10, 2012. *[acceptance rate: 32%]*

Alissa Centivany and Steven J. Jackson, "Concentration, Incumbency, and Interconnection: Broadband Development and the Lessons of History," in *Proceedings of the 2012 iConference*, Toronto, Ontario, Feb 8-10, 2012. *[acceptance rate: 32%]*

Matt Burton and Steven J. Jackson, "Constancy and Change in Scientific Collaboration: Coherence and Integrity in Long-Term Ecological Data Production," in *Proceedings of the*

2012 Hawaii International Conference on System Science (HICSS), Maui, Hawaii, Jan 3-6, 2012. *[acceptance rate unknown]*

Radaphat Chongthammakun and Steven J. Jackson, "Boundary Objects, Agents, and Organizations: Lessons from E-Document System Development in Thailand," in *Proceedings of the 2012 Hawaii International Conference on System Science (HICSS*), Maui, Hawaii, Jan 3-6, 2012. *[acceptance rate unknown]* **** honorable mention, best paper award (top 5%) ****

Steven J. Jackson and Andrew Gordon, "Building Community Broadband: Barriers and Opportunities for Community-Based Organizations in the Federal BTOP and BIP Broadband Development Programs," in *Proceedings of the 2011 American Society for Information Science and Technology (ASIST) Conference*, New Orleans, Louisiana, Oct 9-12, 2011. *[acceptance rate: 37%]*

Steven J. Jackson, David Ribes, Ayse Buyuktur, and Geoffrey C. Bowker, "Collaborative Rhythms: Temporal Dissonance and Alignment in Distributed Scientific Work," in *Proceedings of the 2011 Computer-Supported Cooperative Work (CSCW) Conference*, Hangzhou, China, March 20—23, 2011. *[acceptance rate: 25%]*

Steven J. Jackson, Alex Pompe, and Gabriel Krieshok, "Things Fall Apart: Maintenance and Repair in ICT for Education Initiatives in Rural Namibia," in *Proceedings of the 2011 iConference,* Seattle, Washington, Feb 8-11, 2011. *[acceptance rate: 32%]* **** best paper award winner (top 1%) ****

Steven J. Jackson and Radaphat Chongthammakun, "Infrastructure and Standards in Thai Digital Government Development," in *Proceedings of the 2011 iConference,* Seattle, Feb 8-11, 2011. *[acceptance rate: 32%]*

Rahmad Dawood, Steven J. Jackson, and Jude Yew, "Supporting the Information Needs of Mobile Microentrepreneurs in the Developing World: The Case of Indonesian Food Cart Vendors," in *Proceedings of the 2010 Information and Communication Technologies and Development (ICTD) Conference*, London, UK, Dec 13-16, 2010. *[acceptance rate: 39%]*

Rahmad Dawood, Jude Yew, and Steven J. Jackson, "Location aware applications to support mobile food vendors in the developing world," in *Proceedings of the 2010 Computer-Human Interaction (CHI) Conference, Atlanta, Georgia, April 2010. [acceptance rate: 23%]*

Steven J. Jackson, David Ribes, and Ayse Buyuktur, "Exploring Collaborative Rhythm: Temporal Flow and Alignment in Collaborative Scientific Work," *2010 iConference*, Urbana-Champaign, Illinois, Feb 3-6, 2010. *[acceptance rate unknown]*

Radaphat Chongthammakun and Steven J. Jackson, "Extending Virtual Organizations in the Public Sector: Lessons from CSCW, STS, and Organization Science," in *Hawaii International Conference on System Sciences (HICSS-43), Honolulu, January 2010. [acceptance rate unknown]*

Steven J. Jackson, "Water Models and Water Politics: Deliberative Design and Virtual Accountability," in *Proceedings of the 2006 Digital Government Conference*, San Diego, May 22-24, 2006. *[acceptance rate: 34%]*

Karen Baker, Steven J. Jackson, and Jerry Wanetick, "Strategies Supporting Heterogeneous Data and Interdisciplinary Collaboration: Towards an Ocean Informatics Environment," in *Hawaii International Conference on System Sciences (HICSS-38),* January 2005. *[acceptance rate unknown]* **** honorable mention, best paper award (top 5%) ****

Steven J. Jackson and Karen Baker, "Ecological Design, Collaborative Care, and the Ocean Informatics Project," in *Artful Integrations: Proceedings of the 2004 Participatory Design Conference,* Toronto, July 2004. *[acceptance rate: 19%]*

Other Peer-Reviewed Conferences:
(peer-reviewed on basis of full paper submission, but non-archival)

Steven J. Jackson and Alok Vimawala, "Tightening the Net: Intellectual Property and Peer-to-Peer Practice in Higher Education Networks," *Annual Meeting of the International Communication Association,* Boston, May 26-30, 2011.

Dana M. Walker, Steven J. Jackson, and Patrick Wiehner, "Attending to Civic Life," *Annual Meeting of the International Communication Association*, Boston, May 26-30, 2011.

Steven J. Jackson, "Collaborative Economies: Rethinking Governance in Collaborative Science Networks," *9th Annual Meeting of the Science and Democracy Network*, Royal Society of London, June 2010.

Steven J. Jackson and Alok Vimawala, "Intellectual Property Micro-Regimes and Peer-to-Peer Practice in Higher Education Networks," in *Proceedings of the 2008 Telecommunications Policy Research Conference*, Washington, DC, September 2008.

Refereed Journal Articles

Steven J. Jackson and Ayse Buyuktur, "Who Killed WATERS? Mess, Method, and the Forensic Imagination in the Making and Unmaking of Large-Scale Science Networks," *Science, Technology and Human Values* 39:2 (March 2014), pp 285-308.

David Ribes, Steven J. Jackson, Stuart Geiger, Matt Burton, and Tom Finholt, "Artifacts That Organize: Delegation in the Distributed Organization," *Information and Organization* (January 2013).

Steven J. Jackson and Alok Vimawala, "Tightening the Net: Intellectual Property and Peer-to-Peer Practice in Higher Education Networks," *First Monday,* November 2011.

Guest, J. S.; Skerlos, S. J.; Barnard, J. L.; Beck, M. B.; Daigger, G. T.; Hilger, H.; Jackson, S. J.; Karvazy, K.; Kelly, L.; Macpherson, L.; Mihelcic, J. R.; Pramanik, A.; Raskin, L.; van Loosdrecht, M. C. M.; Yeh, D.; Love, N. G. "A new planning and design paradigm to achieve sustainable resource recovery from wastewater." *Environmental Science & Technology*. 2009, 43(16), DOI 10.1021/es9010515.

Paul N. Edwards, Geoffrey C. Bowker, Steven J. Jackson, and Robin Williams, "An Agenda for Infrastructure Studies," *Journal of the Association of Information Systems,* May 2009.

Steven J. Jackson, "Writing the Global Water Crisis" (review essay) *Technology and Culture* 49:3 (July 2008), pp 773-778.

Steven J. Jackson, Paul N. Edwards, Geoffrey C. Bowker, and Cory Knobel, "Understanding Infrastructure: History, Heuristics, and Cyberinfrastructure Policy," in B. Kahin and S.J. Jackson, eds. "Special Issue: Designing Cyberinfrastructure for Collaboration and Innovation," *First Monday* 12:6 (June 2007).

Steven J. Jackson, "Ex-Communication: Competition and Collusion in the U.S. Prison Telephone Industry," *Critical Studies in Media Communication* 22:4 (October, 2005).

Steven J. Jackson, "Surveying Surveillance Studies" (review essay) *The Canadian Journal of Communication* 29:2 (2004).

Steven J. Jackson, Jane Clough-Riquelme, and Nora Bringas-Rabago, "Regional reflections on the Johannesburg Summit: Equity and Sustainable Development in the U.S.-Mexico Borderlands" *Journal of Environment and Development* 12:4 (2003).

Steven J. Jackson and Vincent Mosco, "The Political Economy of New Technological Spaces: Malaysia's Multimedia Super Corridor," *Journal of International Communication* 6:1 (1999).

Book Chapters

Steven J. Jackson, "Rethinking Repair," in Tarleton Gillespie, Pablo Boczkowski, and Kirsten Foot, eds. *Media Technologies: Essays on Communication, Materiality and Society*. MIT Press: Cambridge MA, 2014.

David Ribes and Steven J. Jackson, "Data Bite Man: The work of sustaining long term data collection," in *Data are Never Raw*. L. Gitelman (ed). MIT Press: Cambridge MA, 2013.

Geoffrey C. Bowker, Paul N. Edwards, and Steven J. Jackson, "The Long Now of Cyberinfrastructure," in William Dutton and Paul Jeffreys, eds. *World Wide Science* (MIT Press: Cambridge MA, 2010).

Steven J. Jackson, "Mapping the Prison Telephone Industry," in Paul Wright and Tara Harivel, eds. *Prison Profiteers: Who Makes Money from Mass Incarceration* (New York: New Press, 2007).

Steven J. Jackson, "Technopoles and Development in a 'Borderless World': Boundaries Erased, Boundaries Constructed" in Heather Nicol and Ian Townsend-Gault, eds. *Holding the Line: Borders in a Global World* (UBC Press: 2005).

Edited Volumes and Special Issues

Paul N. Edwards, Geoffrey C. Bowker, Steven J. Jackson, and Robin Williams, eds. "eInfrastructures," Special Issue of the *Journal of the Association for Information Systems* May 2009.

Brian Kahin and Steven J. Jackson, eds. "Designing Cyberinfrastructure for Collaboration and Innovation," Special Issues of *First Monday* 12:6 (June 2007), URL: http://firstmonday.org/issues/issue12_6/index.html

Research Reports and White Papers

Paul N. Edwards, Steven J. Jackson, Melissa Chalmers, Geoffrey C. Bowker, Christine Borgman, David Ribes, Matt Burton, and Scout Calvert, *Knowledge Infrastructures: Intellectual Frameworks and Research Challenges*. Report of the National Science Foundation / Sloan Foundation 2013 Knowledge Infrastructures Workshop (Ann Arbor: DeepBlue, 2013), http://hdl.handle.net/2027.42/97552.

Steven J. Jackson, Paul N. Edwards, Geoffrey C. Bowker, Archer Batcheller, and Steve Cisler, *African Knowledge Infrastructures: Sharing, Growing, Maintaining*. World Bank (Knowledge for Development Program), February 2008.

Paul N. Edwards, Steven J. Jackson, Geoffrey C. Bowker, and Cory P. Knobel, *Understanding Infrastructure: Dynamics, Tensions, and Design*. Report of the National Science Foundation Workshop, "History and Theory of Infrastructure: Lessons for New Scientific Cyberinfrastructures." (Ann Arbor: DeepBlue, 2007), http://hdl.handle.net/2027.42/49353.

Reviews and Other Publications

Steven J. Jackson, "Mapping the Prison Telephone Industry," *Prison Legal News*, January 2007.

Steven J. Jackson, Review of Priscilla Coit Murphy, "What a Book Can Do: The Publication and Reception of Silent Spring," *American Journalism Review* (2006).

Steven J. Jackson, Review of Verna Gehring, ed. *The Internet in Public Life*. *New Media and Society* 8:2 (2006), 347-349.

Steven J. Jackson, "Making a Science of Fingerprinting." Review of *Suspect Identities: A History of Fingerprinting and Criminal Identification*, by Simon Cole. *Metascience* 12:3 (2003).

Steven J. Jackson, Review of *Continental Order*, eds. Vincent Mosco and Dan Schiller. *The Canadian Journal of Communication* 27:1 (2002).

Steven J. Jackson, Review of *Systems, experts, and computers: the systems approach in management and engineering, World War II and after*, eds. Agatha Hughes and Thomas Hughes. *The Information Society* 18:1 (2002).

INVITED TALKS, KEYNOTES, AND CONFERENCE PRESENTATIONS _____

Invited Lectures and Keynote Addresses:

Keynote address, "Repair as Practice and Worldview," Repair Work Ethnographies Workshop, Rome, May 20-22, 2015.

Invited lecture, "Breakdown, Maintenance, and the Future of STS," Maastricht University, May 19, 2015.

Invited lecture, "Repair Time: Maintenance, Infrastructure, and Social Order," Sociology of Speed Workshop, London School of Economics, May 14-15, 2015.

Invited lecture, "Towards a Political Economy of Repair: Practice, Power, and Politics in Global Technology Repair," Carleton University, January 30, 2015.

Invited lecture, "Designing for Repair: Addressing Barriers to More Fixable Computing Infrastructures," Intel Research, Jan 13, 2015.

Invited lecture, "How To Fix the World: Repair as Practice and Worldview," University of Maryland, Dec 4, 2014.

Invited lecture, "Fragility, Breakdown, Repair: Towards an Ethics of Repair," University of Washington, May 22, 2014.

Invited workshop, "Broken World Thinking: A Workshop with Steve Jackson," Lancaster University, April 1, 2014.

Invited lecture, "Breaking, Fixing, Building: STS and the Art of Repair," Cornell University, November 25, 2013.

Invited lecture, "Breaking, Fixing, Building: Information Science and the Art of Repair," University of Toronto, November 21, 2013.

Keynote address, "Governance in a World of Things," Governing Technology Workshop, Stanford University, May 9, 2013.

Invited lecture, "Science at Scale: Time, Value, and Innovation in the Networked Ecological Sciences," University of Edinburgh, Jan 14, 2013.

Invited lecture, "Governing Collaborative Science," University College Dublin, Jan 16, 2013.

Invited lecture, "Science at Scale: Time, Value, and Innovation in the Networked Ecological Sciences," Oxford University, Jan 18, 2013.

Invited lecture, "How to Do Collaborative Science: Lessons from the Sociology of Science," *Project Science Workshop*, Ft. Lauderdale, Nov 12-15, 2012.

Invited lecture, "The Human Infrastructure of Broadband Infrastructure," *Understanding What Works Broadband Workshop*, New America Foundation, Washington DC, September 19-21, 2012.

Invited lecture, "Collaboration Time: Rhythm, Flow, and Infrastructure in Collaborative Scientific Work," Department of Science and Technology Studies, Cornell University, Nov 14, 2011.

Invited lecture, "Reflections on the Revolution in Data," Department of Information Science, Cornell University, Feb 2, 2011.

Distinguished invited talk, "Aligning Socio-Technical Work in Collaborative Scientific Networks: Lessons from the Social Sciences," Earth and Space Informatics Division, *American Geophysical Union*, San Francisco, Dec 19, 2008.

Invited lecture, "Collaborative Tensions and the Virtual Organization," for *Building Online Communities for Interdisciplinary Scholars* seminar, Council on Library and Information Resources and EthicShare Project, Washington DC, Nov 20, 2008.

Invited lecture, "Knowledge Systems for Sustainability: Models, Data, and Indicators," for *Science, Technology, and Sustainability: Building a Research Agenda*, NSF Science Technology and Society Program, Sep 8-9, 2008.

Invited lecture, "Building Global Collaborations in the Hydrological Sciences," *International Workshop on Designing Global Information Commons for Innovation in Frontier Sciences,* University of Tokyo 8-10 November 2007.

Invited lecture, "Scientific Communication: Cyberinfrastructure and Scientific Practice," Information Research Institute and University Library, Shanghai Jiaotong University, China, May 18, 2007.

Invited lecture, "Information Economics, Policy, and Development," Department of Information Resources Management, Zhejiang University, Hangzhou, China, May 16, 2007.

Invited lecture, "Scientific Communication: Cyberinfrastructure and Scientific Practice," Department of Information Resources Management, Zhejiang University, Hangzhou, China, May 14, 2007.

Invited lecture, "Understanding Infrastructure," *Designing Cyberinfrastructure for Collaboration and Innovation: Emerging Frameworks and Strategies for Enabling and Controlling Knowledge*, National Academies of Science, Washington DC, January 29-30, 2007.

Invited lecture, "Models, Memory, and California Water Management," *Models and Prediction Workshop*, University of California, San Diego, May 26-28th, 2006.

Invited lecture, "Virtual Accountability: Numbers, Models, and the Politics of Water in California," Department of Communication Studies, University of Michigan, March 9th, 2006.

Invited lecture, "The Model and the River: Infrastructure and Deliberation in California Water Policy," Center for Science, Policy, and Outcomes, Arizona State University, October 28th, 2005.

Invited lecture, "Building the Virtual River: Numbers, Models and Environmental Governance in the American Southwest," University of Michigan School of Information, February, 2005.

Invited lecture, "Building the Virtual River: Numbers, Models and Environmental Governance in the American Southwest," University of Toronto Faculty of Information Studies, April 2005.

Non-Refereed Conference Presentations and Other Talks:

Conference presentation, "How To Fix Infrastructure Studies: Repair as Creative Entanglement," *Annual Meeting of the Society for Social Studies of Science*, Buenos Aires, Argentina, Aug 22-26, 2014.

Conference presentation, "Broken World Thinking: A Repair Manual for the Good Life." *International Communication Association*, Seattle, May 22-26, 2014.

Conference presentation, "Rethinking Repair," *Annual Meeting of the Society for Social Studies of Science*, San Diego, Oct 9-12, 2013.

Conference presentation, "Collaborative Economies: Rethinking Governance in Collaborative Science Networks." *Annual Meeting of the Science and Democracy Network*, Royal Society of London, June 2010.

Invited panelist, "The Infrastructure Problem in HCI," 2010 *Computer Human Interaction Conference*, Atlanta, April 12-14, 2010.

Invited panelist, "Ethnography of Large-Scale Systems," 2010 *iConference*, Urbana-Champagne, February 6-8, 2010.

Conference presentation, "Democratic Simulations: Participation, Expertise, and Asymmetry in Interactive Modeling Efforts," *Annual Meeting of the Society for Social Studies of Science*, October 27-29, 2009.

Conference presentation, "Distributing Science: Architecture, Participation, and Boundary Work in Online Citizen Science Projects," *Annual Meeting of the Society for Social Studies of Science*, October 27-29, 2009.

Conference presentation, "Designing Collaborative Science: Repertoires of Contention in the (re)Making of Scientific Cyberinfrastructure," *Annual Meeting of the Canadian Communication Association*, Ottawa, May 28-30, 2009.

Conference presentation, "Embedded simulation: building open modeling frameworks in contested resource domains," *Annual Meeting of the Science and Democracy Network*, Harvard University, June 2008.

Invited panelist, "Author Meets Critics: Sandra Braman's Change of State: Information, Policy, and Power." *2008 iConference*, Los Angeles, Feb 28-Mar 1, 2008.

Invited panelist, "New approaches to IT and international development: findings from the African Knowledge Infrastructures Project." *2008 iConference*, Los Angeles, Feb 28-Mar 1, 2008.

Conference presentation, "Writing the History of Water: Accumulation and Commensuration," part of the "Archives and Databases" section of the "STS & Information Studies" stream, *Annual Meeting of the Society for Social Studies of Science*, Montreal, Oct 10-12, 2007.

Invited panelist, "STS Meets E-Social Science: Contributions, Questions, and Cautionary Notes," part of the "Science and Technology Studies Views of E-Social Science" panel, *Third International Conference on e-Social Science*, Ann Arbor, Oct 7-9, 2007.

Conference presentation, "The Archive and the River: Infrastructural Memory and Action," part of the Degrees of Freedom: Infrastructures After Control Panel, *Annual Meeting of the Society for Social Studies of Science*, Vancouver, November 2-4, 2006.

Conference presentation, "Supercomputing After Supercomputers: Enrolling STS in the Design of National Cyberinfrastructure Policy," *Annual Meeting of the Science and Democracy Network*, Harvard University, Cambridge, June 25-27th, 2006.

Conference presentation, "The Archive and the River: Models, Memory, and the Politics of Knowledge," *Canadian Communication Association Conference*, London, June 4-6, 2005.

Conference presentation, "The Model and the River: Deliberative Design and the Politics of Water," *Annual Meeting of the Science and Democracy Network*, Harvard University, Cambridge, June 24-26th, 2005.

Conference presentation, "Building the Virtual River: Environmental Simulation and the Politics of Water in the American Southwest," *Annual Meeting of the Canadian Communication Association*, Winnipeg, June 3-5, 2004.

Conference presentation, "Mapping the Prison Telephone Industry," *Union for Democratic Communication Conference*, St. Louis, April 22-24, 2004.

Workshop panelist, "Network Ecologies: Information Infrastructure and Regime Formation in the U.S.-Mexico Borderlands," *Center for Iberian and Latin American Studies Graduate Research Workshop*, San Diego, April 22, 2004.

Conference presentation, "Network Ecologies: Environmental Representation and Regime Formation in the U.S.-Mexico Borderlands," *Annual Meeting of the Society for Social Studies of Science*, Atlanta, October 15-18, 2003.

Conference presentation, "The world in a pixel: technology, representation and environmental governance in the U.S.-Mexico Borderlands," *International Communication Association Conference*, San Diego, May 23-27, 2003.

Conference presentation, "The Political Geographies of Infrastructure: Design and the Politics of World Bank Knowledge," *Infrastructures of Digital Design Conference*, San Diego, January 31-February 2, 2003.

Invited talk, "Border Ecologies: Environmental Informatics in the U.S.-Mexico Borderlands," *UCSD Science Studies Colloquium Series*, November 25, 2002.

Conference presentation, "Translating Telidon: (re)Constructing the Genealogies of Communication Networks," *Annual Meeting of the Society for Social Studies of Science Conference*, Milwaukee, November 7-9, 2002.

Conference presentation, "The World Bank's Informational Turn", *Union for Democratic Communication Conference*, Ottawa, May 17-19, 2001.

Conference presentation, "Technopoles and Development in a 'Borderless World': Boundaries Erased, Boundaries Constructed," *Annual Meeting of the International Boundaries Research Unit*, Vancouver, August 25-28, 1999.

Major Workshop Organizing:
(full or multi-day workshops, most externally funded, with senior field leaders)

"Reclaiming Repair" workshop (w Daniela Rosner, Garnet Hertz, Lara Houston, and Nimmi Rangaswamy), *Computer-Human Interaction (CHI) Conference*, Paris, April 27-30, 2013.

"Knowledge Infrastructures" (w Paul Edwards, Chris Borgman, Geoffrey Bowker, and David Ribes), National Science Foundation / Sloan Foundation Workshop, Ann Arbor, Michigan, May 2012.

"Building Broadband Infrastructure" workshop (w Susan Crawford), Ford Foundation Workshop, National Academies of Science, Washington DC, June 10, 2010.

"History and Theory of Infrastructure: Lessons for New Scientific Cyberinfrastructure" (w Paul Edwards and Geoffrey Bowker), National Science Foundation Workshop, Ann Arbor, Michigan, November 2006.

"Community Informatics Workshop" (w Joan Durrance, Maurita Holland, and Paul Resnick), *2006 iConference*, Ann Arbor, Michigan, 2006.

"The Infrastructures of Digital Design" international graduate conference (w Olga Kucinskaya, Marie Judd, Jon Phillips, and David Ribes), University of California, San Diego, January 31st-Feb 2, 2003.

AWARDS

Best Paper Awards and Honorable Mentions:

CHI 2013, 2014, 2015

CSCW 2014, 2015 (3)

HICSS 2005, 2012

iConference 2011

RESEARCH GRANTS

PI (w Daniela Rosner), "Repair, Maintenance, Sustainability: Enhancing Sustainability by Strengthening the Repair-Design Nexus," National Science Foundation, 2015-2017. Amount: **$497,000.**

PI (w Carl Lagoze), "Scientific Collaboration in Time," National Science Foundation, 2012-2014. Amount: **$250,000.**

Co-PI (w Paul Dourish, Bill Maurer, Scott Mainwaring, Carl DiSalvo and Melissa Gregg, overall Center PIs). Intel Research, 2012-2015. Amount (Cornell portion): **$1,460,000** ($480,00/yr x 3 years).

PI, "Building Broadband Infrastructure: Mapping Process and Impacts of the BTOP and BIP Initiatives," Ford Foundation, 2010-2012. Amount: **$250,000**.

PI, "Governing Collaborative Science: Cyberinfrastructure, Scale, and Governance in the Networked Ecological Sciences," National Science Foundation CAREER award, 2009-2014. Amount: **$463,000**.

Co-PI (w David Ribes and Tom Finholt,) "VOSS: Delegating Organizational Work to Virtual Organization Technologies," National Science Foundation, 2009-2011. Amount: **$395,685**.

Co-PI (w Paul Edwards, Chris Borgman, Geof Bowker, David Ribes, and Leigh Star) "Monitoring Modeling Memory: Dynamics of Data in Scientific Cyberinfrastructure," National Science Foundation, 2008-2011. Amount: **$1,200,000**.

PI (w Paul Wright), "Prison Phone Service Provider Contracts, Commissions, and Fiscal Impact on Prison Families," Social Science Research Council, 2008-2009. Amount: **$8,000**.

PI (w Leigh Star and Paul Edwards,) "Knowledge Infrastructures for Development in Africa." World Bank Knowledge for Development Program, Summer 2007. Amount: **$24,000**.

PI, "Extending and Integrating a Digital Government Research Program." Rackham Faculty Research Grant, 2007-2008. Amount: **$18,020**.

PI (w Ginny Rezmierski), "Developing and Piloting a Case-Based Curriculum for Instruction in Information Policy Analysis and Design." Center for Research on Learning and Teaching, Summer 2007. Amount: **$9,600**.

Co-PI (w Paul Edwards and Geoffrey Bowker) "History and Theory of Infrastructure: Lessons for New Scientific Cyberinfrastructures." National Science Foundation, 2006-2007. Amount: **$91,000**.

Co-PI (w Robert Horwitz) "Data, Models, and Environmental Policy in the American Southwest and U.S.-Mexico Border Region." National Science Foundation Dissertation Improvement Grant, Science, Technology, and Society Program, 2004-2005. Peer reviewed: Yes (full external). Amount: **$7,950**.

TEACHING AND ADVISING

Courses taught:

At Cornell University:
INFO 6210: Information, Technology and Society
INFO 4200: Information Policy
INFO 1200: Information Ethics, Law, and Policy

Previously at University of Michigan:
SI507/703: Foundations of Information Policy Analysis and Design
SI532: Digital Government I: Information Technology and Democratic Politics
SI533: Digital Government II: Information Technology and Democratic Administration
SI648/748: InfoCulture: Theory and Method in the History and Sociology of Information Technology
SI 657/757: Information Technology and Global Development
SI719: Knowledge / Power / Practice in Science, Technology, and Medicine

Students advised:

Current:
Stephanie Steinhardt (Cornell)
Leo Kang (Cornell)

Ishtiaque Ahmed (Cornell)
Samir Passi (Cornell)
Timur Uckun (Cornell)
Maggie Jack (Cornell)

Past:
Radaphat Chongthammakun (Michigan – now Royal Courts of Thailand)
Dana Walker (Michigan – now University of Pennsylvania)
Ayse Buyuktur (Michigan)
Rahmad Dawood (Michigan)
Matt Burton (Michigan)
Alissa Centivany (Michigan)

SELECTED PROFESSIONAL SERVICE

Cornell:
Director of Graduate Studies, Information Science (2012-)
Member, University Faculty Senate (2011-2012)
Member of the Information Science, Communication, Science and Technology Studies, and Public Affairs Graduate Fields (2011-)

Michigan (past):
Founder and Coordinator, Information Policy Specialization (2007-2011)
Member, Faculty Strategic Planning Committee (2006-2007)
Member, Dean's Advisory Committee (2005-2006, 2008-2009)
Steering Committee, Science, Technology, and Public Policy Program, Ford School of Public Policy (2005-2011)
Steering Committee, Science, Technology, and Society Program, LS&A (2005-2011)
Chair, Speaker Series Committee, Science, Technology, and Society Program, LS&A (2006-2008)

External:

Editorships:

Editorial Board, *Journal of Information Policy* (2010-)
Editorial Board, *Journal of Information Technology and Politics* (2009-)
Editorial Board and Technology Editor, *Metascience* (2007-2009)
Editorial Board, *Journal of Community Informatics* (2007-)

Program Committees:

Information and Communication Technologies for Development (ICTD), 2010, 2015.
iConference 2010, 2011.
Computer-Supported Cooperative Work, 2011, 2012.

Journal reviewing activities:

Manuscript review for *Social Studies of Science*, *Computer Supported Cooperative Work*, *Journal of Information Technology and Politics*, *Social Science Computing Review*, *Information Technologies and International Development*, *Journal of the Association of Information Systems, Science Technology and Human Values*, *The Information Society* and *Governance* (ongoing)

Conference reviewing activities:

Paper review for *Computer-Supported Cooperative Work (CSCW)*, *Computer-Human Interaction (CHI)*, *iConference*, *Information and Communication Technologies for Development (ICTD)*, and *Hawaii International Conference on Systems Science (HICSS)*.

Book reviewing activities:

Manuscript review for MIT Press and Berghahn Books (UK).

Grant reviewing activities:

National Science Foundation, Cyber-Enabled Discovery and Innovation Competition, 2009. National Science Foundation, Computer and Information Science and Engineering Directorate, 2007.

Panel and conference organizing:

"Beyond Infrastructure" panel (w Paul Edwards), *Annual Meeting of the Society for Social Studies of Science*, Buenos Aires, Argentina, Aug 22-26, 2014.
"Study of Sociotechnical Systems Workshop," (w David Ribes and Sean Goggins), *2010 iConference*.
"Infrastructure and Expertise: The Design and Politics of Information in Science, Technology, and Medicine" *Annual Meeting of the Canadian Communication Association*, Ottawa, May 28-30, 2009.
"Understanding Infrastructure: dynamics, tensions, design, and data" workshop (w Paul Edwards, Paul Wouters, and David Ribes), *Third International e-Social Science Conference*, Ann Arbor, Michigan, Oct 7-9, 2007.
"Degrees of Freedom: Infrastructures After Control" 2-panel sequence (w Paul Edwards), *Annual Meeting of the Society for Social Studies of Science*, Vancouver, Canada, 2006.
 "Reimagining Community Informatics" panel (w Ann Bishop and Nadia Caidi) *2006 i-Conference*, Ann Arbor, Michigan, 2006.
"Mediating Environments" 2-panel sequence (w Jody Berland*), Canadian Communication Association and the Environmental Studies Association of Canada*, London, June 2-4, 2005.
 "Communication Meets STS: Thinking Through the Interface" panel, *Canadian Communication Association*, Winnipeg, June 3-5, 2004.

CONSULTING AND OTHER WORK

Associate Editor, Open Development Workshop, International Development Research Centre (2010)

Expert witness in *Chanelle Linet Alexander v. Marion County Sheriff* et. al. (class action suit challenging monopoly prison telephone contracts in Marion County and State of Indiana; testified for the plaintiffs) (2006)

Prior art search in *Lucent v. Gateway et. al.* (a suit attempting to assert Lucent / AT&T patents from the 1980s on techniques for translating computer graphics to RGB color displays; research for the defendants) (2007)