

**ABBY J. KINCHY**  
Curriculum Vitae, December 2016

Science and Technology Studies Department  
Rensselaer Polytechnic Institute  
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**EDUCATION**

Doctor of Philosophy, University of Wisconsin, Sociology and Rural Sociology, August 2007

Master of Science, University of Wisconsin, Sociology and Rural Sociology, Fall 2002

Bachelor of Science, Vassar College, Science, Technology and Society, Spring 1996

**ACADEMIC POSITIONS**

July 2014-present	Graduate Program Director and Associate Professor, Science and Technology Studies Department, Rensselaer Polytechnic Institute
July 2013-June 2014	Associate Professor, Science and Technology Studies Department, Rensselaer Polytechnic Institute
July 2007-June 2013	Assistant Professor, Science and Technology Studies Department, Rensselaer Polytechnic Institute
September 2006- December 2006	Lecturer, Sociology of Gender, Department of Sociology, University of Wisconsin-Madison
September 2003- August 2005	Research Assistant for Professor Daniel Lee Kleinman, Department of Rural Sociology, University of Wisconsin-Madison
October 2002- September 2003	Project Assistant for Science and Technology in Society Series, University of Wisconsin Press
September 2002- December 2002	Teaching Assistant for Professor Charles Halaby (Statistics for Sociologists III), Department of Sociology, University of Wisconsin-Madison
September 2000- August 2002	Research Assistant for Professor Daniel Lee Kleinman, Department of Rural Sociology, University of Wisconsin-Madison

## PUBLICATIONS

### **Books**

**Kinchy, Abby J.** (2012) *Seeds, Science, and Struggle: The Global Politics of Transgenic Crops*. Cambridge: The MIT Press.

Kleinman, Daniel Lee, **Abby J. Kinchy** and Jo Handelsman, eds. (2005) *Controversies in Science and Technology, Volume One: From Maize to Menopause*. Madison, WI: The University of Wisconsin Press.

### **Refereed Journal Articles and Book Chapters**

Kimura, Aya H. and **Abby Kinchy** (2016) "Citizen Science: Probing the Virtues and Contexts of Participatory Research," *Engaging Science, Technology, & Society* 2: 331-361.

Eaton, Emily and **Abby Kinchy** (2016) "Quiet Voices in the Fracking Debate: Ambivalence, Nonmobilization, and Individual Action in Two Extractive Communities (Saskatchewan and Pennsylvania)," *Energy Research & Social Science* 20: 22-30.

Breyman, Steve, Nancy Campbell, Virginia Eubanks, and **Abby Kinchy** (2016) "STS and Social Movements: A Critical Survey" in *The Handbook of Science and Technology Studies, Fourth Edition*. Cambridge: The MIT Press.

**Kinchy, Abby** (2016) "Baseline Data and Democracy: How Participatory Water Monitoring Shapes Future Projections and Political Action in the Marcellus Shale Fracking Boom," *Science as Culture* (special section on the quantification of nature). Published online 30 Sept. <http://dx.doi.org/10.1080/09505431.2016.1223113>

**Kinchy, Abby**, Sarah Parks, and Kirk Jalbert (2016) "Fractured knowledge: mapping the gaps in public and private water monitoring efforts in areas affected by shale gas development," *Environment and Planning C: Government & Policy* 34(5): 879-899.

Jalbert, Kirk and **Abby Kinchy** (2016) "Sense and Influence: Environmental Monitoring Tools and the Power of Citizen Science," *Journal of Environmental Policy & Planning* 18(3): 379-397.

**Kinchy, Abby**, Kirk Jalbert, and Jessica Lyons (2014) "What is Volunteer Water Monitoring Good For? Fracking and the Plural Logics of Participatory Science," *Political Power and Social Theory* 27(2): 259-289.

Jalbert, Kirk, **Abby J. Kinchy**, and Simona L. Perry, (2014) "Civil society research and Marcellus Shale natural gas development: results of a survey of volunteer water monitoring organizations," *Journal of Environmental Studies and Sciences* 4(1): 78-86.

**Kinchy, Abby J.**, Simona Perry, Danielle Reinhardt, Kathryn Brasier, Richard Stedman, and Jeffrey Jacquet (2014) "The Impact of New Natural Gas Development on Rural Communities in North America," *Rural America in a Globalizing World: Problems and Prospects for the 2010s*. Morgantown: West Virginia University Press.

**Kinchy, Abby J.** (2010) "Anti-Genetic Engineering Activism and Scientized Politics in the Case of 'Contaminated' Mexican Maize." *Agriculture & Human Values* 27: 505-517.

- Kinchy, Abby J.** (2010) "Epistemic Boomerang: Expert Policy Advice as Leverage in the Campaign against Transgenic Maize in Mexico," *Mobilization* 15(2): 179-198.
- Kinchy, Abby J.** (2009) "African Americans in the Atomic Age: Post-War Perspectives on Science, Technology and the Bomb, 1945-1960," *Technology & Culture* 50(2): 291-315.
- Kleinman, Daniel Lee, **Abby J. Kinchy**, and Robyn Autry (2009) "Local Variation or Global Convergence in Agricultural Biotechnology Policy? A Comparative Analysis," *Science and Public Policy* 36(5): 361-371.
- Kinchy, Abby J.** and Daniel Lee Kleinman (2008) "Against Free Markets, Against Science? Regulating the Socio-economic Effects of Biotechnology," *Rural Sociology* 73(2): 147-179.
- Kleinman, Daniel Lee and **Abby J. Kinchy** (2007) "Against the Neoliberal Steamroller? The Biosafety Protocol and the Social Regulation of Agricultural Biotechnologies," *Agriculture & Human Values* 24: 195-206.
- Kinchy, Abby J.** (2006) "On the Borders of Post-War Ecology: Struggles over the Ecological Society of America's Preservation Committee, 1917-1946," *Science as Culture* 15 (1): 23-44.
- Kinchy, Abby J.** and Daniel Lee Kleinman (2003) "Organizing Credibility: Discursive and Organizational Orthodoxy on the Borders of Ecology and Politics," *Social Studies of Science* 33 (6): 869-896.
- Vallas, Steven P., Daniel Lee Kleinman, **Abby Kinchy**, and Raul Necochea (2004) "The Future of Knowledge Work in Industry and Academia: Science, Professional Cultures, and the Public Good." In *Biotechnology: Between Commerce and Civil Society*, edited by Nico Stehr. New Brunswick, NJ: Transaction Books.
- Kleinman, Daniel Lee and **Abby J. Kinchy** (2003) "Why Ban Bovine Growth Hormone? Science, Social Welfare, and the Divergent Policy Landscapes in Europe and the United States," *Science as Culture* 12 (3): 375-414.
- Kleinman, Daniel Lee and **Abby J. Kinchy** (2003) "Boundaries in Science Policymaking: Bovine Growth Hormone in the European Union," *The Sociological Quarterly* 44 (4): 577-595.

#### ***Non-Refereed Journal Articles and Book Chapters***

- Scott Frickel and **Abby Kinchy** (2015) "Geographies of Ignorance," *Routledge International Handbook of Ignorance Studies*, edited by Matthias Gross and Linsey McGoey. New York: Routledge.
- Kinchy, Abby** (2014) "Explaining Absolute Absences: A Critical Reply to Scott Frickel." *Social Epistemology Review and Reply Collective* 3(4): 24-29.
- Kinchy, Abby** (2014) "Political Scale and Conflicts over Knowledge Production: The Case of Unconventional Natural Gas Development," *Routledge Handbook of Science, Technology, and Society*, edited by Daniel L. Kleinman and Kelly Moore. New York: Routledge.
- Kinchy, Abby J.** and Simona L. Perry (2012). Can Volunteers Pick up the Slack? Efforts to Fill Knowledge Gaps about the Watershed Effects of Marcellus Shale Gas Development, *Duke Environmental Law and Policy Forum* 22(2): 303-340.

Delborne, Jason A. and **Abby J. Kinchy** (2008) “Genetically Modified Organisms,” pp. 182-95 in *Battleground: Science and Technology, Volume 1*. S. Restivo and P.H. Denton (eds). Westport, CT: Greenwood Press.

**Kinchy, Abby J.** and Daniel Lee Kleinman (2005) “Democratizing Science, Debating Values: New Approaches to the Problem of ‘Politicized’ Science under the Bush Administration,” *Dissent*, Summer 2005.

**Kinchy, Abby J.**, Daniel Lee Kleinman and Jo Handelsman (2005) “Introduction: From Maize to Menopause,” pp. 3-20 in *Controversies in Science and Technology, Volume One: From Maize to Menopause*, D.L. Kleinman, A.J. Kinchy and J. Handelsman (eds.). Madison, WI: The University of Wisconsin Press.

### **Book Reviews**

**Kinchy, Abby J.** (2011) “Review of *Race, Rigor, and Selectivity in U.S. Engineering*,” *Technology and Culture*, 52: 401-402.

**Kinchy, Abby J.** (2010) “Review of *States of Suspense: The Nuclear Age, Postmodernism, and United States Fiction and Prose*,” *Technology and Culture* 51: 282-284.

### **Reports**

**Kinchy, Abby J.** (2013). “Public Perspectives on Contaminated Wastewater from Marcellus Shale Development,” Final Report to the New York State Energy Research and Development Authority, under Contract # 17439.

### **Blog Posts**

**Kinchy, Abby** (2016) “Mapping the Gaps: The Spatial and Social Inequalities of Water Monitoring,” *FracTracker Alliance*, <https://www.fractracker.org/projects/water-monitor/spatial-and-social-inequalities/>

**Kinchy, Abby** (2016) “Lack of action from state and federal government means that community organisations are picking up the slack of monitoring the effects of fracking in the Northeast,” *USAPP – American Politics and Policy Blog* (26 Feb 2016), <http://blogs.lse.ac.uk/usappblog/2016/02/26/lack-of-action-from-state-and-federal-government-means-that-community-organisations-are-picking-up-the-slack-of-monitoring-the-effects-of-fracking-in-the-northeast/>

**Kinchy, Abby** and Roopali Phadke (2016) “STS Underground: Images from an Emerging Subfield,” *Backchannels* (22 Feb.) [http://www.4sonline.org/blog/post/sts\\_underground\\_images\\_from\\_an\\_emerging\\_subfield1](http://www.4sonline.org/blog/post/sts_underground_images_from_an_emerging_subfield1)

**Kinchy, Abby** (2015) “Identifying Bodies with Victor Toom: New Research in Science, Technology & Human Values,” *Backchannels* (30 Dec.) [http://www.4sonline.org/blog/post/identifying\\_bodies\\_with\\_victor\\_toom\\_new\\_research\\_in\\_science\\_technology\\_huma](http://www.4sonline.org/blog/post/identifying_bodies_with_victor_toom_new_research_in_science_technology_huma)

## GRANTS AND FELLOWSHIPS

“STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction,” National Science Foundation, SES-Science, Technology & Society Program, \$24,695, Sept. 2016-Aug. 2017. Award # 1632651. I co-authored this proposal with co-PIs Roopali Phadke (Macalester College) and Jessica Smith (Colorado School of Mines) to support the STS Underground workshop in February 2017.

“Doctoral Dissertation Research: Social Movements Impacts on Urban Waste Systems,” National Science Foundation, Dissertation Research Improvement Grant (Guy Schaffer), Award #1556311, \$13,200. March 2016-February 2017.

“Pollution Disclosure and Political Power in the United States and Canada: The Case of Unconventional Oil and Gas Extraction,” Rensselaer School of Humanities, Arts, and Social Sciences Seed Grant, \$5,000, November 2013-August 2014.

“Doctoral Dissertation Research: Socio-Technical Practices in the Context of Marcellus Shale Water-Quality Science,” National Science Foundation, Dissertation Improvement Grant (Kirk Jalbert), Award # 1331080, \$14,881, September 2013-August 2015.

“Mapping Knowledge Investments during the Marcellus Shale Gas Rush: A Study of Public, Private, and Academic Water Quality Monitoring Efforts,” National Science Foundation, Standard Grant, Award # 1126235, \$398,337, September 1, 2011-August 31, 2013.

“Public Perceptions of Natural Gas Extraction and Wastewater Treatment: A sociological study to accompany pilot testing of pre-treatment options to allow re-use of frac flowback and produced brine for oil field operations.” New York State Energy Research and Development Authority, \$50,000, March 2010-August 2012.

“Doctoral Dissertation Research: Toxic Chemicals, Environmental Organizations, and the Governance of Science and Technology in the EU and the US: The Case of Nanotechnology,” National Science Foundation, Dissertation Improvement Grant (Anna Lamprou), Award # 1027074, \$15,000, Sept. 1, 2010-Aug. 31, 2012.

Career Campaign Award, Rensselaer Polytechnic Institute, RAMP-UP Advance Initiative, awarded March 4, 2009, \$5,000 for research and professional development.

Social Science Research Council International Dissertation Field Research Fellowship, 2005-2006.  
Raymond J. Penn Scholarship, University of Wisconsin, 2005-2006.

Wisconsin Distinguished Graduate Fellowship Award, UW College of Agriculture and Life Sciences, 2005-2006.

National Science Foundation Dissertation Improvement Grant, 2005-2006.

Rural Sociological Society Dissertation Award, 2005

Latin American, Caribbean & Iberian Studies Program Field Research Grant (Tinker-Nave), University of Wisconsin, 2004.

Evelyn T. Crowe Scholarship, Department of Rural Sociology, 2001, 2002 and 2005.

## HONORS AND PRIZES

James M. Tien '66 Early Career Award for Faculty, Rensselaer Polytechnic Institute, 2011.

Hacker-Mullins Award for Best Graduate Student Paper, ASA Science, Knowledge and Technology Section, 2005 (“African Americans in the Atomic Age: Post-War Perspectives on Science, Technology and the Bomb, 1945-1960”).

Genevieve Gorst Herfurth Award for Outstanding Research in Social Studies, University of Wisconsin, 2004-05 (“African Americans in the Atomic Age: Post-War Perspectives on Science, Technology and the Bomb, 1945-1960”).

John H. Kolb Award for outstanding academic achievement in rural sociology, Department of Rural Sociology, University of Wisconsin-Madison, 2003.

Phi Beta Kappa, 1996.

## REFEREED CONFERENCE PRESENTATIONS

“Volunteers and Commercial Water Testing Companies in the Struggle to Reveal the Impacts of Fracking,” presented at the annual meetings of the Society for Social Studies of Science, Barcelona, Spain, August 31-September 3, 2016.

“Disclosure Conflicts: Crude Oil Trains, Frack Chemicals, and the Politics of Transparency,” (with Guy Schaffer and Wynne Hedlesky), presented at the annual meetings of the American Sociological Association, Seattle, WA, August 20-23, 2016.

“Power in Knowledge: The Politics of Citizen Water Monitoring in the Marcellus Shale Gas Field,” presented at the annual meetings of the American Sociological Association, Chicago, August 22-25, 2015.

“Pipelines and Baselines: Watershed Science in Shale Gas Territory,” presented at the “When Nature and Numbers (Don’t) Meet” symposium at the University of Wisconsin-Madison in April 2014.

“What is Volunteer Water Monitoring Good For? Fracking and the Plural Logics of Participatory Science.” Presented at the annual meetings of the Society for Social Studies of Science, October 2013 (with Kirk Jalbert).

“Citizen Science and Social Justice: The Case of Shale Gas ‘Fracking.’” Presented at the annual meetings of the Rural Sociological Society, New York, NY, August 2013.

“The Production of Ignorance about the Impacts of Shale Gas Development: A Study of Spatial Knowledge Gaps.” Presented at the annual meetings of the American Sociological Association, New York, NY, August 2013 (with Kirk Jalbert and Sarah Parks)

“Categories and Sources of Expertise about Transgenic Crops: Battles over ‘Marketability’ in Canada.” Presented at the annual meetings of the Society for Social Studies of Science, Cleveland, OH, November 2011.

“Knowledge Investments during the Marcellus Shale Gas Rush: A Study of Public and Private Efforts to Monitor Water Quality.” Presented at the Political Sociology of Science and Technology conference, Troy, NY, May 2011 (with Simona Perry).

“Hope for sustainability, hype for natural gas: The emergence and significance of the ‘bridge fuel’ metaphor.” Presented at the Political Sociology of Science and Technology conference, Troy, NY, May 2011 (with Jason Delborne and Aubrey Wigner).

“Fractious Citizens: Sociological Perspectives on the Hydraulic Fracturing Controversy.” Presented at the American Association for the Advancement of Science Annual Meeting in Washington, D.C., February 20, 2011.

“Genes out of Place: Resisting Genetic ‘Contamination’ in Canadian Agriculture.” Presented at the annual meeting of the Canadian Anthropological Society, Montreal, Canada, June 2, 2010.

“From ‘Risk’ to ‘Markets’: Framing GE Crops as a Marketing Issue in Canada.” Presented at the annual meeting of the Rural Sociological Society, Atlanta, GA, August 12-15, 2010.

“The Justice of ‘Clean’ Energy: Natural Gas, Rural Communities, and Questions about Water Pollution.” Presented at the annual meeting of the American Sociological Association, Atlanta, GA, August 14-17, 2010.

“Governance across Boundaries: Transnational and Transgenic Flows of Genetically Engineered Crops.” Presented at the Joint Annual Meeting of the Agriculture, Food and Human Values Society (AFHVS) and the Association for the Study of Food and Society (ASFS), State College, PA, May 28-31, 2009.

“Anti-GE Activism and Scientized Politics in the Case of ‘Contaminated’ Mexican Maize.” Presented at the annual meeting of the Rural Sociological Society, Madison, WI, July 30-August 2, 2009.

“Governing Environmental Flows: The Case of Genetically Engineered Crops.” Presented at the annual meeting of the American Sociological Association, San Francisco, CA, August 7-12, 2009.

“Knowledge and Neoliberalism: The Case of Natural Gas ‘Fracing’ in the Northeastern United States.” Presented at the annual meetings of the Society for Social Studies of Science, in Washington, D.C., October 28-31, 2009.

“Framing Contamination, Forging Coalitions: Transnational Networks in Defense of GE-Free Food and Agriculture,” Presented at the American Anthropological Association meetings, November 2008.

“Scientific Knowledge and Mobilization of Grassroots Struggle: The Mexican Movement ‘In Defense of Maize’,” Presented at the annual meetings of the American Sociological Association, New York, NY, August 11-14, 2007.

"Scientific Boundaries across the Border: A Consideration of Kelly Moore's Political Sociology of Science and Social Movements beyond the U.S. Context," Presented at the annual meetings of the Society for Social Studies of Science, Montreal, Canada, October 11-13, 2007.

“The politics of ‘uncertainty’: How can STS contribute to policy debates about ag-biotech?” Presented at the annual meetings of the Society for Social Studies of Science, Montreal, Canada, October 11-13, 2007.

“Making Transgenes Visible: Science and the Movement against Genetically Modified Corn in Mexico,” Presented at the annual meetings of the American Sociological Association, Montreal, Canada, August 11-14, 2006.

“Maize Monsters: How to Make Sense of Dubious Claims about the Effects of Genetically Modified Crops,” Presented at the annual meetings of the Society for Social Studies of Science, Vancouver, Canada, November 1-5, 2006.

“Science and Transnational Activism: The Controversy over Genetically Modified Maize in Mexico,” Presented at the joint meeting of the Society for the Anthropology of North America and the Canadian Anthropological Society, Merida, Mexico, May 3-8, 2005.

Steven P. Vallas, Daniel Lee Kleinman, Abby Kinchy and Raul Necochea. “The Future of Knowledge Work in Industry and Academia: Science, Professional Cultures, and the Public Good.” Presented at the conference on “Biotechnology, Commerce and Civil Society,” Essen, Germany, September 2002.

“On the Borders of Advocacy: The Organizational Boundary-work of the Ecological Society of America.” Presented at the Fourth Triple Helix Conference, Copenhagen, Denmark and Lund, Sweden, November 2002.

Steven P. Vallas, Daniel Lee Kleinman, Abby Kinchy and Raul Necochea. “The Changing Character of Science in University and Corporate Settings: A Theory of Asymmetrical Convergence.” Presented at the Fourth Triple Helix Conference, Copenhagen, Denmark and Lund, Sweden, November 2002.

Steven P. Vallas, Daniel Lee Kleinman, Abby Kinchy and Raul Necochea. “The Changing Character of Science in University and Corporate Settings: A Theory of Asymmetrical Convergence.” Presented at the meetings of the Society for the Social Studies of Science, Milwaukee, Wisconsin, November 2002.

Daniel Lee Kleinman and Abby J. Kinchy. “When Boundary Work Works: Biotechnology Controversy in the US and EU.” Presented at the meetings of the Society for the Social Studies of Science, Cambridge, Massachusetts, November 2001.

### **INVITED TALKS**

Discussant for the “Science from the Margins” paper session at the annual meetings of the American Sociological Association, Seattle, WA, August 20-23, 2016.

“Citizen Science for Social Change: Theories, Hopes, and Political Realities,” Keynote address at the STGlobal Conference, Washington, D.C., April 8-9, 2016.

“Genes out of Place: Conflicts over Transgene Flow in Mexico and Canada.” Public webinar presentation for the National Academies of Sciences, Engineering, and Medicine, February 4, 2015.

“Worlds of Water Research at Rensselaer,” participant in research roundtable, Rensselaer Polytechnic Institute, April 17, 2015.

“Life-style changes required to preserve the planet: A discussion of the Pope’s encyclical on the environment” (panelist), Chapel + Cultural Center, Troy, NY, October 2, 2015.



“A Place for Fracking? Environment, Community, and the Arts” (panel discussion and poster display), Lafayette College, September 19, 2014.

“Seeds, Science, and Struggle,” Rochester Institute of Technology, Rochester, NY, May 5, 2014.

“Seeds, Science, and Struggle,” York College, York, PA, May 1, 2014.

“Saying No to Seed Use Restrictions,” Bard College at Simon’s Rock, Great Barrington, MA, April 23, 2014.

“Citizen Science: Who and What is it for?” Conceptualizing Environmental Exposure Workshop, Chemical Heritage Foundation and Drexel University, Philadelphia, PA, April 9-10, 2014.

“It’s Not Just About Eating: Understanding Opposition to Genetically Engineered Crops,” Westchester/Fairfield Seven Sister Alumnae Seminar, Stamford, CT, October 23, 2013.

“Watershed Knowledge Mapping Project: Investigating Efforts to Monitor the Water Quality Impacts of Marcellus Shale Development,” Community Science Institute Volunteer Symposium, March 21, 2013.

“Perceptions of Natural Gas Development and Wastewater Treatment,” New York State Energy Research and Development Authority “brown bag” talk, February 28, 2013.

“Perceptions of Natural Gas Extraction and Wastewater Treatment,” New York Water Environment Association, New York, NY, February 5, 2013.

“Agriculture, Genetic Engineering, and Social Justice,” Vassar College Conference on Food and Agriculture, Poughkeepsie, NY, October 6, 2012

“Sociology of Environmental Knowledge,” Rensselaer Sustainability Forum, September 2012.

“Volunteers in the Field of Surface Water Monitoring: Strategies of Incorporation and Transformation,” Political Sociology of Science Workshop, Madison, WI, June 1-2, 2012.

Panelist, “The Flaming Faucet: Fracking, Alternative Fuels, and Future Directions,” University in the City Panel Series, Albany, NY, April 1, 2012.

“Polluted Maize and Fracked Water: The Politics of Civil Society Research,” Colorado School of Mines, Hennebach Lecture Series, March 8, 2012.

“Monitoring Mexican Maize: Science, the State, and *Campesino* Resistance,” Peace and Conflict Studies Conference, University of Toronto, January 27-29, 2012.

“Watershed Knowledge Mapping Project,” Duke University, Environmental and Social Implications of Hydraulic Fracturing and Gas Drilling in the United States: An Integrative Workshop for the Evaluation of the State of Science and Policy, January 9-10, 2012

Panelist, “Crafting a Fulfilling Career Path That Makes a Difference in the World,” Rensselaer Diversity and Women in Engineering Banquet, November 11, 2011.

Panelist, screening of *Gasland*, Rensselaer Sustainability Film Series, March 24, 2011.

“Genes out of Place: Science, Activism, and the Global Politics of Genetically Engineered Crops,” Penn State University, Department of Agricultural Economics and Rural Sociology, November 5, 2010.

“Genetically Modified Organisms,” Guest lecture, invited by Pamela S. Katz, J.D., Associate Professor of Legal Studies and Political Science, The Sage Colleges, Troy, NY, October 19, 2010.

“Solutions to Hunger,” Oxfam Banquet (fundraiser), Rensselaer Polytechnic Institute, April 19, 2010.

“Marcellus Shale Development: Sociological Perspectives,” Unitarian Universalist Church, Athens, PA, Talk sponsored by the Shale Network, April 12, 2010.

“Natural Gas Development, Community Conflicts, and Public Distrust: Preliminary Lessons from Pennsylvania.” Invited talk, presented at the 29<sup>th</sup> Annual Meeting of the Independent Oil and Gas Association of New York, Amherst, NY, November 4-5, 2009.

“En Defensa de la Agricultura Libre de Transgénicos: Activismo Anti-Transgénicos y Ciencia en México y Canadá,” Invited talk, presented at the Universidad Autonoma Metropolitana- Azcapotzalco, Department of Sociology, Mexico City, Mexico, December 13, 2007.

“U.S. Agricultural Subsidies: History, Current Policy and Effects on Rural Livelihoods,” Presented at the Midwest Social Forum, Williams Bay, Wisconsin, June 4-6, 2004.

### **CONFERENCE SESSIONS ORGANIZED**

“STS Underground: Ignorance and Invisibility in the Worlds of Mining and Underground Extraction.” Two open sessions co-organized with Jessica Smith, annual meetings of the Society for Social Studies of Science, Barcelona, Spain, August 2016.

“STS Underground: Investigating the Technoscientific Worlds of Mining and Subterranean Extraction.” Two open sessions co-organized with Roopali Phadke, annual meetings of the Society for Social Studies of Science, Denver, CO, November 11-14, 2015.

“Understanding the Politics of Expertise in Policy Domains.” Session co-organized with Shobita Parthasarathy, annual meetings of the Society for Social Studies of Science, Cleveland, OH, November 2011.

“Energy Controversies and Conflicts.” Session co-organized with Shobita Parthasarathy, annual meetings of the American Sociological Association, Las Vegas, NV, August 2011

“Engineering Canada: Science, Communities, and the Politics of Biotechnology.” Session co-organized with JoAnn Jaffe, annual meeting of the Rural Sociological Society, Atlanta, GA, August 12-15, 2010.

### **POSTER AND MULTIMEDIA PRESENTATIONS**

Watershed Knowledge Mapping Project website (includes original maps and research findings).  
<http://www.watershed-mapping.rpi.edu/>

“Watershed Knowledge Mapping Project: Are efforts to monitor the water quality impacts of shale gas development evenly distributed across affected counties?” Poster presented at the 2nd Annual Shale Network Workshops, Penn State University, May 2013.

“Watershed Knowledge Mapping Project,” slide show featured at the Sensing Environments EarthWeek Festival, RPI Sustainability Research Network, April 2013.

“Watershed Knowledge Mapping Project: Preliminary Survey Results,” poster presented at the Multi-State Marcellus Shale Research Conference, Moon Township, PA, May 30-31, 2012.

“What are the social forces that shape knowledge about the impacts of industrial energy activities on the environment?,” poster presented at the NYSTAR Center for Future Energy Systems poster session, Fall 2011.

## **PROFESSIONAL AFFILIATIONS AND SERVICE**

### ***National Service***

Elected Member of the Executive Council of the Society for Social Studies of Science, 2013-2016.

Elected Member of the Council of the Science Knowledge and Technology Section of the American Sociological Association, 2009-11. Included service on the Hacker Mullins student paper award committee, 2009 and 2010, and the SKAT Article Award committee, 2011.

### ***Editorial Position***

Editor, *Backchannels* (Society for Social Studies of Science blog), 2016

### ***Editorial Boards***

*Contemporary Sociology*

*Engaging Science, Technology, and Society*

### ***Memberships***

American Sociological Association

Society for Social Studies of Science

### ***Community and Public Service***

Oakwood Community Center, Troy, NY. Board Member, 2013-14 and Board Vice-President, 2014-2016.

## **TEACHING**

### ***Undergraduate Courses***

Sociology of Gender

Food, Farms, and Famine

Environment and Society

Century of Environmental Thought

Product Design and Innovation Studio II

American Society and *The Wire*

### ***Graduate Courses***

Science, Technology, and Social Movements

Concepts in Science and Technology Studies

Professional Development Seminar

Institutionalist Approaches in STS

## GRADUATE MENTORING

Laura Rabinow, Anticipated graduation May 2019 (committee chair).

Maria Michails (Arts), Anticipated graduation May 2019 (committee member).

Nathalia Hernandez Vidal (Sociology, Loyola University), Anticipated graduation May 2019 (committee member).

Pedro de la Torre, Future Imaginaries, Environmental Stewardship, and the Politics of the Longue Duree at the Hanford Nuclear Reservation. Anticipated graduation May 2017 (committee member).

Karin Patzke, Valuing Constituency: Property Assessments, Land Management, and Environmental Stewardship in Central Texas. Anticipated graduation May 2017 (committee member).

Ellen Foster, Social and Material Practices in the 'Maker Movement': Feminist Hackers, the Fixers Collective, Library Makerspaces and the Politics of Inclusion. Anticipated graduation May 2017 (committee member).

Guy Schaffer, Building Utopias with Tomorrow's Trash: A Study of Projected Futures and Distributed Infrastructure Design in the New York City Waste Stream. Graduation August 2016 (committee chair).

Kevin Fodness, Disability & Cyberspace: The Politics of Inclusion and Exclusion in Web Development Groups. Graduation May 2016 (committee member).

Dan Lyles, Generative Contexts: Urban Gardening's Potential for Social Justice-Based STEM Education. Graduation August 2016 (committee member).

Lauren Allen, Learning to Respond to Climate Change: Leveraging Communities of Practice to Improve the Learning Ecology. Graduation May 2016. University of Pittsburgh (committee member).

Kirk Jalbert, Promising Data for Public Empowerment: A Study of Grassroots Water Monitoring Practices for Pollution from the Natural Gas Industry. Graduation August 2015 (committee chair).

James Wilcox, Reimagining Energy Interventions: Policies, Practices, and Households in Transition. Graduation August 2015 (committee member).

Taylor Dotson, Communitarian Technology: Reconstructing Artifacts, Spaces and Systems for More Communal Ways of Being. Graduation May 2015 (committee member).

Erin Lennox (Ecological Economics), Shifting Peasant Livelihoods under Double Exposure to Climate Change and Economic Globalization. Graduation December 2014 (committee member)

Logan Williams, Moving Science from Below: Vision 2020, Socially Responsible Innovation Systems and Multilateral Circulation. Graduation May 2013 (committee member).

Sean Ferguson, Plastics without Petroleum: The Politics of 'Green' Bioplastics in the United States. Graduation December 2012 (committee chair).

Anna Lamprou, Toxic Chemicals, Environmental Organizations, and the Governance of Science and Technology in the EU and the US: The Case of Nanotechnology, Graduation December 2012 (committee chair).

Nancy Sanhueza-Diaz (Multidisciplinary Science), Political Ecology, Ecosystem Services, and Management of Cerro El Roble Natural Sanctuary in Central Chile, Graduation December 2012 (co-advisor).

Jessica Lyons, The Enviroculturalist Framework: Merging Ecological Sustainability with Indigenous Resource Management. Graduation August 2012 (committee member).

Nat Springer (Ecological Economics), The Future of Agriculture in a Resource-Constrained World: A Scenario Analysis, Graduation December 2011 (committee member).