

JODY A. ROBERTS

Chemical Heritage Foundation
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POSITIONS

2011-Present Director, Center for Contemporary History and Policy
2010-Present Senior Fellow, Environmental Leadership Program
2011-Present Adjunct Professor, Center for Public Policy, Drexel University
2006-Present Lecturer, Department of History and Sociology of Science and Critical Writing Program, University of Pennsylvania
2010-2011 Associate Director, Center for Contemporary History and Policy, Chemical Heritage Foundation
2007-2011 Manager, Environmental History and Policy Program, Chemical Heritage Foundation

EDUCATION

2006 Ph.D. Virginia Polytechnic Institute and State University, Science & Technology Studies.
Dissertation: Creating Green Chemistry: Discursive Strategies of a Scientific Movement
2002 M.S. Virginia Polytechnic Institute and State University, Science & Technology Studies.
Thesis: Instruments and Domains of Knowledge: The Case of Nuclear Magnetic Resonance Spectroscopy, 1956-1969
1999 B.S. Saint Vincent College, Chemistry.
Thesis: The Attempted Synthesis of 3-benzyl-1,5,6,8-tetraphenyl-9,3-oxazatricyclo[3.3.1.0^{2,4}]nonan-7-one.

PUBLICATIONS

1. BOOK CHAPTERS

Roberts, Jody A. ND. "Unruly Technologies and Fractured Oversight: Towards a Model for Chemical Control for the Twenty First Century." In *Powerless Science? The Making of the Toxic World in the Twentieth Century*. Edited by Soraya Boudia and Nathalie Jas. Oxford and New York: Berghahn Books. [Under Review]
Roberts, Jody A. 2011. "Creating and Controlling Chemical Hazards: A Brief History." Pp. 3-14 in *Global Collaborations in Managing Chemical and Environmental Risks*. Edited by Philip Wexler, Jan van der Kolk, Asish Mohapatra, and Ravi Agarwal. London and New York: CRC Press.
Roberts, Jody A. 2004. "Deciding the Future of Nanotechnologies: Legal Perspectives on Issues of Democracy and Technology." Pp. 247-255 in *Discovering the Nanoscale*. Edited by Davis Baird, Alfred Nordmann, and Joachim Schummer. Amsterdam: IOS Press.
Roberts, Jody A. 2003. "Negotiated Identities of Chemical Instrumentation: The Case of Nuclear Magnetic Resonance Spectroscopy, 1956-1969." Pp. 257-268 in *Chemical Explanation: Characteristics, Development, Autonomy*. Edited by Joseph E. Earley. *Annals of the New York Academy of Sciences*, volume 988. New York: The New York Academy of Science.

2. ARTICLES

- Vogel, Sarah A. and Jody A. Roberts. 2011. "Why the Toxic Substances Control Act Needs an Overhaul, And How to Strengthen Oversight of Chemicals in the Interim." *Health Affairs* May, 30(5), pp. 898-905.
- Roberts, Jody A. 2010. "Reflections of an Unrepentant Plastiphobe: Plasticity, and the STS Life." *Science as Culture*, 19(1), pp. 101-120.
- Roberts, Jody A. and Nancy Langston. 2008. "The Body Toxic: Introduction to a Forum on Toxins, Bodies, and Environments." *Environmental History*, 13(4), pp. 629-635.
- Roberts, Jody A. 2008. "Collision Course: Science, Law and Regulation for Low Dose Toxicity." *Villanova Environmental Law Journal*, 20(1), pp. 1-21.
- Roberts, Jody A. 2007. "Who Needs GMOs? Technology, Democracy, and the Case of GM crops." *Kansas Journal of Law and Public Policy*, 16(3), pp. 451-463.

3. REPORTS AND WHITE PAPERS

- 2008 "New Chemical Bodies: A Conversation on Human Biomonitoring and Endocrine Disrupting Chemicals." *Studies in Sustainability* series. Philadelphia: Center for Contemporary History and Policy, Chemical Heritage Foundation.
- 2008 "Report on the Fourth Annual CHF-SCI Innovation Day, Warren G. Schlinger Symposium." (With Hyungsub Choi). *Research Frontiers for the Chemical Industry*. Philadelphia: Center for Contemporary History and Policy, Chemical Heritage Foundation.
- 2008 "Setting an Agenda for the Social Studies of Nanotechnology." (With Hyungsub Choi, Sarah Kaplan, and Cyrus C.M. Mody). Philadelphia: Chemical Heritage Foundation and The William and Phyllis Mack Center for Technological Innovation at Wharton.

4. WEBINARS AND PODCASTS

- ["From Inception to Reform: An Oral History Project of the Toxic Substances Control Act."](#) (Webinar hosted by the Environmental Leadership Program, 12/8/2010).
- [Science and Society Podcast.](#) (Podcast, interviewed by David Lemberg, 5/3/2007).

5. INTERVIEWS AND NEWS ARTICLES.

- Earl Lane A. 2009. "[Expert Calls for Retooling Environmental Regulations for the Emerging Age of Nanotechnology.](#)" AAAS News.

6. BOOK REVIEWS

- 2011 ["Review of *The Polluters: The Making of Our Chemically Altered Environment.*"](#) *Environmental History*, 16(3), pp. 545-546.
- 2010 ["Review of *Barry Commoner and the Science of Survival: The Remaking of American Environmentalism.*"](#) *Sustainability: Science, Practice, and Policy*, 6(1).
- 2008 [Review of *The Honest Broker: Making Sense of Science in Policy and Politics.*](#) In *Chemical Heritage*, 27(1).
- 2008 [Review of *Disrupting Science: Social Movements, American Scientists, and the Politics of the Military, 1945-1975.*](#) In *Chemical Heritage*, 26(4).
- 2008 [Review of *Blessed Unrest: How the Largest Movement in the World Came into Being and Why No One Saw It Coming.*](#) In *Peace Review*, 21(1), pp. 122-125.
- 2008 ["Review of *Nylon and Bombs: DuPont and the March of Modern America.*"](#) *Technology and Culture*, 49(2), pp. 493-494.
- 2008 Review of *Industrial Ecology and Spaces of Innovation.* In *Science and Public Policy*.
- 2008 Review of *Echoes from the Poisoned Well.* H-Net.
- 2007 [Review of *Barry Commoner and the Science of Survival.*](#) In *Chemical Heritage*, 26(1).

- 2007 [Review of *Shock of the Old*. In *Chemical Heritage*, 25\(4\).](#)
 2007 Review of *Sick Building Syndrome and the Problem of Uncertainty: Environmental Politics, Technoscience, and Women Workers*. In *Chemical Heritage*, 25(1): 45.

7. OTHER PUBLICATIONS

- 2008 [“Bracing for the Ban.” \(With Jennifer Dionisio\). *Chemical Heritage*, 26\(3\).](#)
 2007 “Monitoring Our Chemical Bodies.” *Chemical Heritage*, 25(2).
 2007 “A Chemical World.” *Chemical Heritage*, 25(1): 11.
 2006 “The Curious Case of Atrazine.” *Chemical Heritage*, 24(3): 39-40.

AWARDS AND GRANTS

- 2011 “Innovations in the Measurement and Analysis of Environmental Exposures,” National Science Foundation
 2010 Fellow, Environmental Leadership Program, Eastern Regional Network
 2006 Gordon Cain Fellowship. Chemical Heritage Foundation.
 2005 Charles C. Price Fellowship. Chemical Heritage Foundation.
 2004 Cain Research and Travel Grant. Chemical Heritage Foundation.
 2003 Travel Grant. Chemical Heritage Foundation.
 2000-5 Graduate Assistantship. Virginia Polytechnic Institute and State University.

PROFESIONAL PRESENTATIONS

1. INVITED SINGLE-SPEAKER TALKS/PRESENTATIONS

- 2011 “Pollution Prevention and Toxics Reform: Past, Present, and Future.” Delivered at EPA Region 3, Philadelphia, PA (September).
 2010 “From Inception to Reform: Unpacking the History of the Toxic Substances Control Act through Archives and Oral Histories.” [with Jessica Schifano]. Delivered at the AAAS (November).
 2009 “What’s so scary about nano? Current Trajectories and future directions in exploring nanotoxicology.” Delivered at the AAAS (March).
 2007 “Our Chemical Bodies: Challenges and Opportunities.” Delivered to the American Institute of Chemical Engineers, Delaware Section. April.
 2007 “Green Chemistry and the Creation of an Alternative Energy Infrastructure.” School of Public Policy, University of Maryland. January.

2. INVITED WORKSHOP TALKS/PRESENTATIONS

- 2011 Oil, Soil, and Toil: Using Environmental History to Inform Policy Debates, *American Society for Environmental History*, Phoenix, AZ (April).
 2010 Beyond the Technical Fix; Re-Imagining Ecological Sustainability (with Wyatt Galusky). *Society of Environmental Toxicology and Chemistry*, Portland OR (November).
 2010 Unruly Technologies and Fractured Oversight: Towards a Model for Chemical Control for the Twenty First Century. Invited Participant. *Carcinogens, Mutagens, Reproductive Toxicants: the Politics of Limit Values and Low Doses in the Twentieth and Twenty-first Century*, Strasbourg (March).
 2008 “Energy, Feedstocks, and the Future: Looking at the Big Picture for Farm, Home, and Industry.” Symposium on Biofuels, SUNY Morrisville. April.
 2008 “Towards a Project of Ontological Reconstruction: Convergent Pasts, Conditional Presents, and Alternative Futures.” Science and Technology Studies in Action. Pomona College, CA. March

- 2007 “Genetically Engineered Organisms.” 2007 Kansas University *Journal of Law and Public Policy* Symposium. Lawrence, KS. March.
- 2006 “The Ethical Dilemmas of a Critical Engineering Education: On Teaching Engineers to Not Be (Like) Engineers” (with Jane Lehr and Benjamin Cohen). International Network of Engineering Studies. Blacksburg, VA. September.

3. CONFERENCE TALKS/PRESENTATIONS

- 2011 From Inception to Reform: An Oral History of the Toxic Substances Control Act, *Public History of Science and Technology*, Columbia, SC (September).
- 2011 Uniting the Local and Global in Governing a Molecular Environment, *American Society for Environmental History*, Phoenix, AZ (April).
- 2011 Ambler, Philly, and Beyond: Grids, Flows, and Competing Place Narratives in Toxic Remediation. *GRID+Flow*, Temple University, Philadelphia, PA (April).
- 2010 Balancing Application and Implication of Nanotechnologies at the U.S. EPA. *Society for the History of Technology*, Tacoma WA (September).
- 2009 Controlling Chemicals: Constructing Audiences, Mobilizing Publics; and Controlling Chemicals: Negotiating Regulation of Hazardous Materials (Session Organizer). *Society for the Social Studies of Science*, Washington, D.C. (October).
- 2009 Accidental Technology Transfer? or Unruly Technologies: Illegal (Chemical) Border Crossings in the Pacific Northwest. *Society for the History of Technology*, Pittsburgh (October).
- 2008 Making Sense of Human Biomonitoring Studies: The Evolving Politics of Communicating Exposure Results by Governments, Industries, and NGOs. *History of Science Society*. Pittsburgh, PA. November.
- 2007 How Biomonitoring and Body Burden Analyses Will Work to Erase Separations of Human and Environmental Health. *American Society for Environmental History*. Baton Rouge, LA. March.
Co-Organizer: “Toxic Bodies, Toxic Environments: An Interdisciplinary Workshop.”
- 2006 Reflections of an Unrepentant Plastiphobe. *Society for the Social Studies of Science*. Vancouver, BC. November.
- 2006 Creating ‘Socially Responsible’ Engineers: An Old Problem from New Perspectives. *Society for the History of Technology*. Las Vegas, NV. October.
- 2006 Historical (Re)Constructions and Political Commitments: Green Chemistry and Environmental Policy. *American Political Science Association*. Philadelphia, PA. August.
- 2006 Uncertainty, ‘Data Quality’, and Regulation: The Curious Case of Atrazine. *American Society for Environmental History*. St. Paul, MN. March.
- 2005 (Green) Washing the Chemical Industries: Regulation, Responsibility, and the Emergence of the Green Chemistry Movement. *Society for the Social Studies of Science*. Pasadena, CA. October.
- 2004 What is a ‘Green’ Chemist? Searching for Identity within the Milieu of Chemistry. *Society for the Social Studies of Science*. Paris. August.
- 2004 On the Impossibility of Being ‘Green’: Reflections and Recommendations for Rethinking the ‘Green Chemistry Initiative’. *Science and Technology in Context*. American Association for the Advancement of Science. Washington DC. April.
- 2004 To See is to Know; To Know is to Control: Virtual Reality, Molecular Modeling, and the Politics of Visualization (with Brent K. Jesiek). *Imaging and Imagining Nanoscience and Engineering*. University of South Carolina. March.

- 2003 Selling Science, Constructing Gender: The Role of Chemical Instrument Advertisements in the Construction of Gender in the Laboratory (with Maria Rentetzi). *History of Science Society*. Cambridge, MA. November.
- 2003 Selling Science, Constructing Gender: The Role of Journal Advertisements in the Reflection and Reification of Gender in the Chemical Laboratory (with Maria Rentetzi). *Fourth International Conference on the History of Chemistry*. Budapest. September.
- 2003 What's Law Got to Do with It? Why looking at the law might offer an alternative perspective to examining the introduction of nanotechnology into our societies. *Discovering the Nanoscale*. University of South Carolina. March.
- 2002 Reading between the Spectral Lines: A Look at the Co-Production of Nuclear Magnetic Resonance Spectrometers by Varian Associates and Organic Chemists, 1956-1969. *Society for the History of Technology*. Toronto. October.
- 2002 Changing Identities and Shifting Domains: The Development of Nuclear Magnetic Resonance Spectroscopy, 1956-1969. *International Society for the Philosophy of Chemistry*. Georgetown University. August.
- 2002 Rethinking the Relationship between Theory and Practice: A Metaphorical Structure for Metaphors. *Mephistos*. Virginia Tech. March.
- 2002 Against a Model of Diffusion: Using Metaphors to Teach Analytical Chemistry. *17th Annual Conference of the National Association for Science & Technology Studies (NASTS)*. Baltimore, MD. February.
- 2001 A Tale of Two Experiments: The French, the Germans, and the Role of Crucial Experiments in the Acceptance of Lavoisier's Chemistry. *International Society for the Philosophy of Chemistry*. Loughborough University. August.
- 2001 Accepting Lavoisier's Chemistry: The Role of Crucial Experiments. *Exhibiting STS*. Virginia Polytechnic Institute and State University. April.
- 1999 The Attempted Synthesis of a Tropane Alkaloid Analog. *American Chemical Society National Convention*. Anaheim, CA. March.

TEACHING EXPERIENCE

- 2007- Lecturer. Critical Writing Program and Department of History and Sociology of Science, University of Pennsylvania.
- 2002 Instructor. Department of Science and Technology in Society, Virginia Polytechnic Institute and State University.
- 2001 Graduate Teaching Assistant. Department of Science and Technology in Society, Virginia Polytechnic Institute and State University.
- 2000 Graduate Teaching Assistant. Department of Religious Studies, Virginia Polytechnic Institute and State University.
- 1999 Teaching Assistant. Department of Chemistry, Saint Vincent College.

SERVICE ACTIVITIES

- 2005 Organization and Program Committees. *STS (R)Evolution*s.
- 2003 Organization and Program Committees. *Technologies/Moralities*.
- 2002 Organization and Program Committees. *Mephistos*.
- 2002-3 Graduate Student Representative to Center for Interdisciplinary Studies.
- 2001-5 Co-chair of STS Thursday Lunch Discussion Speaker Series.
- 2001-4 Participant in *Choices and Challenges Program*. Virginia Tech.
- 2001-2 Master's Representative to the STS Policy Committee.
- 2000-5 Representative to the Graduate Student Assembly.

EDITORIAL EXPERIENCE

2002-5 Managing Editor. *Perspectives on Science*. MIT Press.