

Jameson M. Wetmore

School of Human Evolution & Social Change
Consortium for Science, Policy & Outcomes
Arizona State University
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Education

Ph.D., Cornell University, Ithaca, NY, 2003

Field of Study: Science & Technology Studies

Dissertation Committee: Ronald Kline, Judith Reppy, and Trevor Pinch

M.A., Cornell University, Ithaca, NY, 2000

Field of Study: Science & Technology Studies

B.A., University of Notre Dame, Notre Dame, IN, *Magna Cum Laude*, 1996

Major: Program of Liberal Studies; Concentration in Science, Technology, and Values

Coursework included calculus, physics, chemistry, and two years of engineering courses

Arts and Letters London Program, Spring Semester 1994

Professional Experience

Arizona State University, School of Human Evolution & Social Change and the Consortium for Science, Policy & Outcomes, Tempe, AZ

Assistant Professor, August 2006 – present

Affiliated Professor, School of Life Sciences, 2008 – present

Arizona State University, Consortium for Science, Policy & Outcomes, Tempe, AZ

Postdoctoral Research Fellow in Science & Technology Policy, August 2005 – August 2006

University of Virginia, Department of Science, Technology, and Society, Charlottesville, VA

Postdoctoral Research Fellow in Technology and Ethics, January 2003 – June 2005

National Research Council, Transportation Research Board, Washington, DC

Staff Member, Summer 1998

National Research Council, Transportation Research Board, Washington, DC

Christine Mirzayan Science & Technology Policy Graduate Fellow, Summer 1997

Museum of Science and Industry, Chicago, IL

Exhibit Interpreter, Summer 1995

Current Projects

Developing courses and materials for “Integrating Microethics and Macroethics in Graduate Science and Engineering Education: Development and Assessment of Instructional Models,” funded by NSF.

Assistant Director for Education, Center for Nanotechnology in Society (CNS), Arizona State

Co-leader (with Susan Cozzens), CNS Thematic Research Cluster on Equity and Responsibility

Co-editing (with Susan Cozzens), *The Yearbook of Nanotechnology in Society, Vol. II: The Challenge of Equity and Equality*, Springer, 2010.

Co-leader (with Michelle Hegmon, Bob Bolin, and Abby York) of *Change is Hard: The Challenges of Path Dependence*, a SHESC Transdisciplinary Research Program (7/09-7/12).

Systems of Restraint: Redistributing Responsibilities for Automobile Safety in the United States since the 1960s; manuscript will be completed 2010.

Co-editor (with Deborah Johnson) of *Engineering Ethics & Social Values*.

Grants

- Senior Investigator of NSF Center for Nanotechnology in Society (5% - \$6,200,000) (#0531194) (10/01/05-9/30/10)
- Co-PI of NSF Ethics in Engineering and Science Education Grant for Integrating Microethics and Macroethics in Graduate Science and Engineering Education: Development and Assessment of Instructional Models (15% - \$300,000) (#0832944) (9/08-9/11)
- Co-leader (with Michelle Hegmon, Bob Bolin, and Abby York) of *Change is Hard: The Challenges of Path Dependence*, a SHESC Transdisciplinary Research Program (25% of \$475,000) (outside peer reviewed) (7/09-7/12).
- Senior Personnel, Interaction of Engineered Nanomaterials with Artificial Cell Membranes (PI: Jonathan Posner) (NSF) (\$313,015) (9/1/09-8/31/12)
- Senior Personnel, Collaborative Research: Rationale Design of Enhanced Catalytic Nanomotors (PI: Jonathan Posner) (NSF) (\$600,000) (3/1/09 -2/29/12).
- Dwight D. Eisenhower Transportation Fellowship (approx \$70,000) (2001-2003)
- NSF Doctoral Dissertation Research Grant, Science & Technology Studies Program (\$10,000) (#0080600) (2001-2003)

Honors/Awards

- School of Human Evolution & Social Change Faculty Award for Significant Contribution to Undergraduate Education (2009).
- Society of Technical Communication – Philadelphia Metro Chapter’s 2007 Award of Excellence in Technical Publications for “Amish Technology: Reinforcing Values and Building Community.”
- Society of Automotive Historian’s 2001 Student Paper Award for: “Driving the Dream: The History and Motivations Behind Sixty Years of Automated Highway Systems in America”
- Sigma Gamma Tau Aerospace Engineering Honor Society

Books

- 2009 *Technology & Society: Building our Sociotechnical Future*, edited by Deborah G. Johnson and Jameson M. Wetmore, MIT Press. [The work for this book was split evenly]
- 2008 *Presenting Futures: Yearbook of Nanotechnology in Society, Volume 1*, edited by Erik Fisher, Cynthia Selin and Jameson M. Wetmore, Springer, 2008. [The work for this project was split evenly]

Refereed Journal Articles

- 2009 Joan McGregor and Jameson M. Wetmore, “Researching and teaching the ethics and social implications of emerging technologies in the laboratory.” *NanoEthics* 3(1), pp. 17-30. [The work for this article was split evenly]
- 2008 “Engineering with Uncertainty: Monitoring Air Bag Performance,” *Science and Engineering Ethics*, 14(2), June, pp. 201-218.
- 2007 “Amish Technology: Reinforcing Values, Building Community,” *IEEE’s Technology & Society Magazine* 26(2), June, pp. 10-21.
- 2007 “Distributing Risks and Responsibilities: Flood Hazard Mitigation in New Orleans,” *Social Studies of Science* 37(1), February, pp. 119-126.
- 2004 “Redefining Risks and Redistributing Responsibilities: Building Networks to Increase Automobile Safety,” *Science Technology, and Human Values*, 28(3), Summer, pp. 377-405.
- 2003 “Driving the Dream: The History and Motivations Behind Sixty Years of Automated Highway Systems in America,” *Automotive History Review*, Summer, pp. 4-19.

Individually Refereed Book Chapters

- 2009 “Implementing Restraint: Automobile Safety and the U.S. Debate over Technological and Social Fixes,” in Jim Conley and Arlene Tigar McLaren (eds.), *Car Troubles: Critical Studies of Automobility and Auto-Mobility* (Surrey, England: Ashgate, 2009), pp. 111-126.
- 2007 “STS and Ethics: Implications for Engineering Ethics,” Deborah G. Johnson and Jameson M. Wetmore, *New Handbook of Science and Technology Studies*, edited by Ed Hackett, Olga Amsterdamska, Michael Lynch, and Judy Wajcman (Cambridge, Mass: MIT Press, 2007). [The work for this article was split evenly]

Other Book Chapters

- 2009 Introduction to the book, introductions to five chapters, and introductions to 33 articles, *Technology & Society: Building our Sociotechnical Future*, edited by Deborah G. Johnson and Jameson M. Wetmore, MIT Press. [The work for this book was split evenly.]
- 2009 “Amish Technology: Reinforcing Values, Building Community,” reprinted in *Technology & Society: Building our Sociotechnical Future*, edited by Deborah G. Johnson and Jameson M. Wetmore, MIT Press.
- 2008 “Introduction to *Presenting Futures*,” Erik Fisher, Cynthia Selin, and Jameson M. Wetmore, *The Yearbook of Nanotechnology in Society, Vol 1: Presenting Futures*, edited by Erik Fisher, Cynthia Selin, and Jameson M. Wetmore (Springer, 2008), pp. xxi-xxvi. [The work for this article was split evenly]

Edited Volumes

- 2007 Editor of “Science, Policy, & Social Inequities,” special issue of *Science and Public Policy*, 34(2) March.

Publications in Science and Engineering Journals

- 2009 Jameson M. Wetmore, Ira Bennett, William H. Hooke, and Tim Miller, “Scientists: Listen Up!” letter to the editor, *Science*, Vol. 324, April 17, p. 334.
- 2009 Jameson M. Wetmore and Jonathan D. Posner. “Should Corporations Contribute to Nano-Regulation?” *Nanotoday* 4(3), June, pp. 217-219.

Other Publications

- 2009 Ira Bennett and Jameson M. Wetmore, “The Arizona Auction Season,” Exhibition Review, *The Journal of Transport History* (submitted).
- 2009 “The View from a Tuc-Tuc,” CSPO Soapbox, April 2.
- 2009 Lori Hiding and Jameson Wetmore, “Technology and the Big Game,” CSPO Soapbox, January 29. [work for this project was split evenly]
- 2009 Troy Benn, Ira Bennett, and Jameson Wetmore, “Nanosilver Socks Demonstration,” white paper distributed to the Nanoscale Informal Science Education Network, January. [work for this project was split evenly]
- 2008 Book Review of Kelly Sims Gallagher’s *China Shifts Gears: Automakers, Oil, Pollution, and Development*, in *East Asian Science, Technology, and Society* 2(2), 299-301.
- 2008 Clark Miller, David Guston, Daniel Barben, Jameson Wetmore, Cynthia Selin, and Erik Fisher, “Nanotechnology & Society: Ideas for Education and Engagement,” white paper distributed by the Nanotechnology Informal Science Education Network, Spring.
- 2007 “Introduction to special issue on Science, Policy & Inequities,” *Science and Public Policy*, 34(2) March, pp. 83-84.

- 2007 Letter to the Editor “Captain Obvious Lied,” *AutoWeek*, January 29, p. 11.
- 2006 Book Review of Rosalyn Berne’s *Nanotalk*, in *Science and Engineering Ethics*, 12(3), pp. 583-584.
- 2004 “Introduction to Special Issue on ‘Reconstructing Order through Rhetorics of Risk,’” with Shobita Parthasarathy and Jessie Saul, *Science Technology, and Human Values*, 28(3), Summer, pp. 267-268. [The work for this article was split evenly]
- 1998 Book Review with Ronald Kline and William Lynch of Rosa Lynn B. Pinkus, Larry J. Shuman, Norman P. Hummon, and Harvey Wolfe, *Engineering Ethics: Balancing Cost, Schedule, and Risk – Lessons Learned from the Space Shuttle* and Diane Vaughan, *The Challenger Launch Decision: Risky Technology, Culture, and Deviance at NASA*, in *Isis: Journal of the History of Science Society*, December, pp. 761–763.
- 1998 Copy editor for Michael J. Crowe, ed., *A Calendar of the Correspondence of Sir John Herschel*, Cambridge University Press.
- 1997 “Authority Through Boundary Drawing: A Political Analysis of the Vatican’s ‘Instruction on Respect for Human Life in Its Origin and on the Dignity of Procreation,’” *Cornell Political Forum*, March, Vol. XI, No. 3.
- 1997 Contributor to *Science, Technology, and Ethical Priorities – Proceedings from Student Pugwash USA’s Ninth International Conference*, edited by Jennifer Seltzer (Washington, D.C.: Student Pugwash USA).

Encyclopedia Articles

- 2010 Jameson M. Wetmore, “Benny the Bear,” *Encyclopedia of Nanoscience and Society* (in press).
- 2010 Jameson M. Wetmore, “Society, Religion and Technology Project, Church of Scotland,” *Encyclopedia of Nanoscience and Society* (in press).
- 2010 Richard Milford and Jameson M. Wetmore, “Religion,” *Encyclopedia of Nanoscience and Society* (in press).
- 2010 Susan Cozzens and Jameson M. Wetmore, “Equity,” *Encyclopedia of Nanoscience and Society* (in press).
- 2010 Richard Milford and Jameson M. Wetmore, “American Scientific Affiliation: A Fellowship of Christians in Science,” *Encyclopedia of Nanoscience and Society* (in press).
- 2010 Richard Milford and Jameson M. Wetmore, “Journal of Lutheran Ethics,” *Encyclopedia of Nanoscience and Society* (in press).

Selected Presentations

- 2009 “Begging for Regulation: The Quest to Tame Nanotechnology,” *Annual Meeting of the Society for Social Studies of Science*, Washington, DC, October 30.
- 2009 “Getting your First Academic Job,” Panel discussion, *Annual Meeting of the Society for Social Studies of Science*, Washington, DC, October 29.
- 2009 “Anticipatory Governance of Emerging Technologies,” National Institute for Nano-Engineering Summer Student Program, Sandia National Labs, July 22. (invited)
- 2009 “What Should Everyone Know about Technology?” Panel discussion, *American Society for Engineering Education Annual Conference*, Austin, Texas, June 16.
- 2009 “Integrating Microethics and Macroethics in Graduate Science and Engineering Education: Developing Instructional Models,” with Joe Herkert, *American Society for Engineering Education Annual Conference*, Austin, Texas, June 15. [work on this presentation and paper was split evenly]
- 2009 “The Challenge of Path Dependency,” *Open Meeting of the International Human Dimensions Programme: Social Challenges of Global Change*, Bonn, Germany, April 29.
- 2009 “Innovation and Graduate Education.” Presented at *Centers, Universities, and the Scientific Innovation Ecology: A Workshop*. National Science Foundation, Arlington, VA, March 26. (invited)

- 2008 “Amish Sociologists: Building Society with Technology,” National Nanotechnology Infrastructure Network – Indian Institute of Technology, Kanpur *Winter School on Organic Electronics*, Kanpur, India, December 13. (invited)
- 2008 “A Dialogue on Nanotechnology and Religion: Using Religious Expertise to Build Nanotechnology,” poster presentation at the *Gordon Research Conference on Science and Technology Policy*, Big Sky, MT, August 17-22.
- 2008 “Researching and Teaching the Ethics and Social Implications of Emerging Technologies,” with Joan McGregor, poster presentation at the *Gordon Research Conference on Science and Technology Policy*, Big Sky, MT, August 17-22. [McGregor took the lead on this poster.]
- 2008 “The Challenge of Path Dependence,” *IEEE Symposium on Technology & Society*, Fredericton, New Brunswick, Canada, June 27.
- 2007 “Building a Better Air Bag: the Continuing Search for a Technical Fix,” *Mobility History, Heritage and Design, Fifth Annual Conference on History of Transport, Traffic and Mobility (T2M)*, Helmond, the Netherlands, 25-28 October.
- 2007 “Bureaucrats, Lobbyists, and Regulators, Oh My! Introducing Graduate Students to Science Outside the Lab,” Ira Bennett and Jameson M. Wetmore to CSPO’s *Enlightening Lunch*, September 11. [Work on this presentation was split evenly]
- 2007 “Teaching the Ethics and Social Implications of Emerging Technologies to Graduate Level Students,” Joan McGregor and Jameson M. Wetmore, *American Society for Engineering Education Annual Conference*, Honolulu, June 24-27. [McGregor took the lead on this presentation]
- 2007 “STS in the Trenches: Engaging Scientists and Engineers,” *STS Engaged Workshop*, University of Virginia Department of Science, Technology & Society, March 10.
- 2007 “Nanotech and Religion: Ambitions, Influence, and Policy,” presentation to the Center for Nanotechnology in Society, University of California, Santa Barbara, February 6. (invited)
- 2006 “Created in his Own Image: The Crash Test Dummy as Critical Infrastructure,” *Society for Social Studies of Science Annual Meeting*, Vancouver, Canada, November 2-5.
- 2006 “Implementing Restraint: The U.S. Debate over Technological and Social Fixes,” presented at *autoConsequences: Automobiliation and its Social Implications*, Simon Fraser University, Vancouver, Canada, October 7.
- 2006 “Amish Transportation: Boundaries, Values, and Technological Choice,” *Fourth International Conference on the History of Transport Traffic and Mobility (T2M)*, Paris, October 28-30.
- 2006 “Religious Forays into Nanotechnology Policy,” poster presentation at the *Gordon Research Conference on Science and Technology Policy*, Big Sky, MT, August 13-18.
- 2006 “Integrating STS: A New Approach to Engineering Ethics,” with Deborah Johnson, *American Society for Engineering Education Annual Conference*, Chicago, June 21. [Wetmore took the lead on this presentation.]
- 2006 “Engineering with Uncertainty: Designing Air Bags Inside and Outside the Lab,” *Dept. of Bioengineering Seminar Series*, Arizona State University, April 28. (invited)
- 2006 “Dealing with Engineering Uncertainty: Monitoring Air Bag Performance,” Department of Technology and Society, SUNY Stony Brook, April 7. (invited)
- 2006 “Are Car Crashes Dangerous? Redefining Responsibilities for Automobile Safety in the 1960s,” presentation to the Consortium for Science, Policy & Outcomes, February 1. (invited)
- 2005 “Flood Hazard Mitigation as a Socio Technical System,” special session on Hurricane Katrina, *Society for Social Studies of Science Annual Meeting*, Pasadena, CA, October 20.
- 2005 “Building Amish Community: Values, Boundaries, and Technological Choice,” *Society for Social Studies of Science Annual Meeting*, Pasadena, CA, October 21.
- 2005 “Intervening in the Future: A Political Engagement in the Construction of Science,” with Justin Biddle, Conor Douglas, Sakari Tamminen, and Oliver Zenklusen, *2nd Ittingen Summer School – Shaping the Future: Science as Intervention*, Kartause Ittingen, Switzerland, August 19.
- 2005 “Monitoring Air Bag Performance,” *American Society for Engineering Education Annual Conference*, Portland, OR, June 12-15.

- 2005 “Are Car Crashes Dangerous? Redefining Responsibilities for Automotive Safety in the 1960s,” *The Car in History: Business, Space and Culture in North America*, University of Toronto, May 20.
- 2004 “From Passive to Automatic: How Air Bags Became Required Equipment in the United States” presentation to the University of Virginia Automobile Safety Lab, Charlottesville, November 17. (invited)
- 2004 “Belt ‘em or Bag ‘em? Negotiating Automotive Restraint Regulations in the United States in the 1980s,” *Second International Conference on the History of Transport Traffic and Mobility (T2M)*, Dearborn, Michigan, November 5.
- 2004 “Engineering Ethics meets STS,” Deborah Johnson and Jameson M. Wetmore, *Workshop on New Directions in Understanding Ethics and Technology*, October 30, University of Virginia. [The work for this paper was split evenly]
- 2004 “New Directions in Understanding Technology and Ethics,” Deborah G. Johnson and Jameson M. Wetmore, *Society for Social Studies of Science Annual Meeting*, Paris, August 27. [The work for this paper was split evenly.]
- 2004 “Engineering Ethics,” presentation to the Senior level Engineering Design Clinic, Picker Engineering Program at Smith College, Northampton, Massachusetts, March 12. (invited)
- 2003 “‘American’ Experiments in Automotive Restraint, 1968-1978,” *First International Conference on the History of Transport, Traffic and Mobility*, Eindhoven, the Netherlands, November 8.
- 2003 “First Aid for Air Bags: Calming Public Fears By Redistributing Responsibilities,” *Society for the History of Technology Annual Meeting*, Atlanta, October 18.
- 2003 “Building Systems of Responsibility,” *Society for Social Studies of Science Annual Meeting*, Atlanta, Oct. 16.
- 2003 “The Crashworthiness Revolution: Making Automobiles and their Manufacturers More Responsible for Automotive Safety,” *Technologies’ Moralities: The Ethical Grammar of Technological Systems*, Virginia Tech, March 29.
- 2002 “Manufacturing Air Bag Users: Reconstructing the Public to Make Air Bags Safe,” *Society for Social Studies of Science Annual Meeting*, Milwaukee, Wisconsin, November 8.
- 2002 “Attaining Proper Restraint,” *2002 Annual Meeting of the Transportation Research Board*, Washington, D.C., January 15.
- 2001 “Redesigning Responsibility into Automobiles and the Public,” *Fashioning the Future: the Society for Social Studies of Science Annual Conference*, Cambridge, MA, November 3.
- 2001 “Restraining the Driver: Defining the Public in Order to Promote Air Bag Technology,” *Knowledge in Plural Context: Science, Technology, and Society Studies in Switzerland*, Lausanne Switzerland, September 12.
- 2001 “Managing Risk Discourse to Promote a Technology,” *Nineteenth Annual MEPHISTOS Conference*, University of Notre Dame, March.
- 2001 “Attaining Proper Restraint: Redesigning Responsibility into Automobiles and the Public,” *Technologies of Uncertainty: Reconstructing Order through Rhetorics of Risk*, Cornell University, April 21.
- 2000 “Behind the Air Bag: Making Technology Responsible,” *Worlds in Transition: Technoscience, Citizenship and Culture in the 21st Century: Society for Social Studies of Science Annual Conference*, Vienna, September 30.
- 1998 “Exploring the Ethical Aspects of Day-to-Day Engineering in the Classroom,” *Society for Social Studies of Science Annual Meeting*, Halifax, Nova Scotia, October 30.
- 1998 “Moving Relationships: Comparing the Corporate and Personal Practice of Naming Automobiles,” *Interpreting the Automobile: Society of Automotive Historians/National Association of Automobile Museums Joint Conference*, Henry Ford Museum, Dearborn, Michigan, September 12.

Teaching Experience

- 2009 Fall – Professor, ASB 394/SOC 334 **Technology and Society** (3 credits) with Ed Hackett, Arizona State University.

- 2009 Fall – *Professor*, ASB 591/ESS 591 **Path Dependence Theory and Analysis** (3 credits) with Abigail York, Michelle Hegmon, and Bob Bolin, Arizona State University.
- 2009 Fall – *Professor*, CHM 501 **Science and Technology in Developing Regions** (1 credit) with Matthew Harsh, Arizona State University.
- 2009 Fall – *Professor*, CHM 501/MAE 591 **Science Policy for Scientists and Engineers** (1 credit) with Jonathan Posner and Ira Bennett, Arizona State University.
- 2009 Summer – *Professor*, SHESC’s Summer Study Abroad: **London, the Greatest City** (3/6 credits) with Alexandra Brewis and others, June 17-July 19.
- 2009 Summer – *Coordinator and Professor*, **Science Outside the Laboratory: A Policy “Dis” Orientation**, Washington DC, with Ira Bennett, May 24-June 6.
- 2009 Spring – *Professor*, CNS’s Short Course: **Introduction to Making STEM Research Socially Relevant**, sponsored by the Hispanic Research Center, with Ira Bennett, Spring 2009.
- 2009 Spring – *Professor*, CHM 501/MAE 591 **Science Policy for Scientists and Engineers** (1 credit) with Jonathan Posner and Ira Bennett, Arizona State University, Spring 2009.
- 2008 Winter – *Professor*, National Nanotechnology Infrastructure Network – Indian Institute of Technology, Kanpur **Winter School on Organic Electronics** in Kanpur and Paralakhemundi, India, with Sandip Tiwari and others, December 4-21.
- 2008 Fall – *Professor*, ASB 394/SOC 334, **Technology and Society** (3 credits) Arizona State University. [Plus an extra Barrett Honors College Footnote 18 seminar session each week.]
- 2008 Fall – *Professor*, CHM 501/MAE 591/BIO 591 **Science Policy for Scientists and Engineers** (1 credit) with Jonathan Posner and Ira Bennett, Arizona State University.
- 2008 Fall – *Professor*, BIO 394/ASB 394 **Bioethics in Film: Technology and Human Values** (1 credit) with Jason Robert, Arizona State University.
- 2008 Spring – *Leader and Professor* of upper level **Learning Community: The Social, Political, and Scientific Challenges of New Technologies: Nanotechnology** (CHM 394/ASB 394/POS 426) (3/9 credits) with David Guston and Ira Bennett, Arizona State University.
- 2007 Fall – *Professor*, ASB 394/SOC 334, **Technology and Society** (3 credits) Arizona State University.
- 2007 Summer – *Coordinator and Professor*, **Science Outside the Laboratory: A Policy “Dis” Orientation**, Washington DC, with Ira Bennett, June 3-16.
- 2007 Spring – *Professor*, ASB 598/BIO 598/POS 598 **Science, Technology, and Societal Outcomes** (3 credits), with Ira Bennett, Arizona State University.
- 2006 Spring – *Instructor*, POS 598/BIO 598/JUS 598 **Science, Technology, and Societal Outcomes** (3 credits), with Ira Bennett, Arizona State University.
- 2004 Spring – *Instructor*, TCC 402 **The Engineering, Ethics, and Society** (3 credits), University of Virginia.
- 1999 Spring – *Teaching Assistant, Guest Lecturer*, S&TS/ENGR/HIST 298 **Inventing an Information Society**, for Ron Kline, Cornell University.
- 1999, 1998, 1997 Fall – *Teaching Assistant, Guest Lecturer*, S&TS/ENGR/HIST 250 **Technology in Society**, for Ron Kline, Cornell University.
- 1998 Spring – *Teaching/Research Assistant*, S&TS/ENGR 360 **Ethical Issues in Engineering**, for Ron Kline, Cornell University.
- 1995 Fall – *Teaching Assistant*, PLS 343 **History of Mechanics/Life Sciences**, for Michael Crowe, University of Notre Dame.

Guest Lectures

- POS 598: Governing Emerging Technologies, on presenting science to the public, October 13, 2009.
- BDE 721: Integrative Research, on Ethics and Social Implications of Science, October 12, 2009.
- ASB 591: Seminar on Professionalism, on the Academic job search, May 5, 2009.
- ASB 591: Ethnography of Innovation, on STS and Innovation Studies, April 1, 2009.

IND 464: Collaborative Design Development (Innovation Space), March 30, 2009.
SCI 120: Scientific Thinking, on Amish Technology at the American University in Cairo, March 15, 2009.
CHM 103: Chemistry and Society at the American University in Cairo, March 15, 2009.
CHM 598: Nanotechnology in Society, February 5, 2009.
Biodesign Institute High School Intern Brown Bag Seminar, June 13, 2008 (w/ Ira Bennett)
MBB 490: Capstone: Issues in Biotechnology, on Ethics in Biotechnology, April 22, 2008
ASB 591: Seminar on Professionalism, on the Academic job search, November 14, 2007
ASB 591: Invention and Innovation in Ancient and Modern Societies, October 11, 2006
BIO 394 / PHI 394: Bioethics in Film, on *Bladerunner*, October 26, 2006
SOC 334: Technology and Society, on the Amish Use of Technology, February 14, 2006
POS 598/PAF 591/HPS 598: The Role of Experts in the Policy Process, October 13, 2005

Graduate Students

Troy Benn, PhD in Civil and Environmental Engineering (committee member)
Monamie Bhadra, PhD in Human & Social Dimensions of Science and Technology (provisional committee)
Shannon Lidberg, PhD in Human & Social Dimensions of Science and Technology (provisional chair)
Sharlissa Moore, PhD in Human & Social Dimensions of Science and Technology (provisional committee)
2008 Shannon Lidberg, Masters in Design (committee member)

Undergraduate Honors Theses

2009 Lucia de Vernai, political science, undergraduate honors thesis (chair)
2008 Tobie Milford, religious studies and biology and society, undergraduate honors thesis (chair) –
Partly for his honors thesis, Tobie Milford was awarded the 2008 Kelly Maxwell Outstanding Graduate Student Award from the Intergroup Relations Center Awards Committee and the Religious Studies award for “Outstanding Concurrent Major.”
2008 Trevor Pirtle, mechanical engineering, undergraduate honors thesis (co-chair)
2007 Timothy Shaw, mechanical engineering, undergraduate honors thesis (committee member)

Independent Studies Directed

2009 Summer – Shannon Lidberg, Individualized Instruction (3credits)
2007 Spring – John McKnight, Individualized Instruction (3 credits) on Identity and Technology
2007 Fall – Kristin Bolfert, BIO 590, Readings and Conference (3 credits) on Technology and Society
2007 Fall – Shannon Lidberg, Individualized Instruction (3 credits) on Technology and Society
2007 Spring – Michael Rolland, MSE 499 Individualized Instruction (3 credits) on Nanotechnology and Social Equity

Conferences/Workshops Organized

2009 CNS / NISE Net joint Museum Demonstrations on Nanotechnology and Society, Pacific Science Center, Seattle, September 7; Annual Meeting of the Society for the Study of Nanoscience and Emerging Technologies, University of Washington, September 8.
2009 *Workshop on Integrating Microethics and Macroethics in Graduate Science and Engineering Education*, (with Joe Herkert) Arizona State University, February 26-28.
2008 *CNS Workshop on Nanotechnology, Equity, and Equality*, (with Susan Cozzens) Arizona State University, November 20-22.

- 2008 *Diversity and Accessibility Awareness Week*, sponsored by the Campus Environment Team, CNS and others at Arizona State University, October 27-30.
- 2008 *Dialogue on Nanotechnology and Religion*, (with Tobie Milford) Arizona State University, February 19-20.
- 2006 *Workshop on Science, Policy, and Social Inequities*, Arizona State University, May 21-23.
- 2004 *Workshop on New Directions in Understanding Ethics and Technology*, (with Tom Powers and Deborah Johnson) University of Virginia, October 27-30.
- 2002 *Under Construction: 3rd Annual Northeast Graduate Student STS Conference*, (with Naubahar Sharif) Cornell University, February 15-16.
- 2001 *Technologies of Uncertainty: Reconstructing Politics through Rhetorics of Risk*, (with Shobita Parthasarathy, Jessie Saul and Josh Greenburg) Cornell University, April 20-22.
- 2000 *The Significance of Noise*, (with Shobita Parthasarathy, Jessie Saul, Josh Greenburg, and Cyrus Mody) Cornell University, April 7-8.
- 1999 *Workshop on Technology and Identity*, (with Shobita Parthasarathy and Jessie Saul) Cornell University, April 16-18.
- 1998 Bovay Lecture in Engineering Ethics and the Environment, April 28.
- 1997 *Workshop on Knowledge in Practice*, (with Shobita Parthasarathy and Jessie Saul) Cornell University, May 2.

Panels Organized

- 2009 “The New Sentinels of Progress? Investigating Emerging Approaches to Governing Technology,” series of three panels at the Society for Social Studies of Science Annual Meeting, with Shobita Parthasarathy and Regula Valérie Burri, Washington, DC, October 30.
- 2009 “Change is Hard: The Challenges of Path Dependency,” *Open Meeting of the International Human Dimensions Programme: Social Challenges of Global Change*, with Abigail York, Bonn, Germany, April 29.
- 2007 “Graduate Education in the Social and Ethical Aspects of Engineering,” panel at the *American Society for Engineering Education Annual Conference and Exposition*, Honolulu, June 24-27.
- 2006 “Shifting Gear: What do changes in automotive infrastructures reveal?” panel at *Society for Social Studies of Science Annual Meeting*, Vancouver, November.
- 2004 “Engineering Ethics: Reflections and New Directions,” at the *Society for Social Studies of Science Annual Meeting*, Paris, August 27.
- 2003 “Thrills and Spills: Framing Automobile Safety and Enthusiasm,” panel at *Society for the History of Technology Annual Meeting*, Atlanta, October 18.
- 2003 “STS, Ethics, and Technology,” panel at *Society for Social Studies of Science Annual Meeting*, Atlanta, October 16.

Reviewer

- Wiebe Bijker, Anique Hommels, and Jessica Mesman (eds.), *Vulnerability in Technological Cultures: New Directions in Research and Governance*, MIT Press draft manuscript (2009).
- Technology and Culture* (2009)
- Social Studies of Science* (2007, 2008, 2009)
- National Science Foundation, Science, Technology, and Society Program (2005, 2009)
- International Journal of Disability, Community & Rehabilitation* (2009)
- Triple Helix: The International Journal of Science, Society, and Law at Arizona State University* (2006-2009)
- Science and Engineering Ethics* (2004, 2007, 2008)
- Pakistan Journal of Scientific and Industrial Research* (2008)
- Organization Studies* (2008)
- IEEE's Technology & Society* (2007, 2008)

Blackwell Books of proposed second edition of Sergio Sismondo's *An Introduction to Science and Technology Studies* (2007)
Biological Theory (2007)
Science, Technology & Human Values (2003, 2005, 2006)

University Service

CLAS Science and Society Committee (2008-present)
Executive Committee, Human and Social Dimensions of Science & Technology PhD Program, ASU (2007-present)
HSDST Website Committee (2008-present)
Campus Environment Team, ASU (2006-2009)

School/Unit Service

SHESC Undergraduate Curriculum Committee (2009-present)
SHESC Undergraduate Teaching Award Committee (2009-present)
SHESC ad hoc Undergraduate Curriculum Committee (2007-2008)
SHESC Library Committee (2007-present)
CSPO Professional Master's Degree Planning Committee (2008-2009)
CSPO Strategic Plan Integration and Participation Implementation Working Group (2008-present)
CSPO Website Committee (2007-present)

Professional Service

Faculty Review Board, *The Triple Helix: The International Journal of Science, Society, and Law at Arizona State University* (2007-present)
Secretary/Treasurer of the American Society for Engineering Education's Liberal Education Division (2005-present)
Reviewer, American Society for Engineering Education, Liberal Education Division annual meeting, Cincinnati, Ohio, June 2010.
Conference Committee for IEEE International Symposium on Technology and Society's Conference, Tempe, AZ, June 17-20, 2009.
Executive Committee, International Association for the History of Transport, Traffic and Mobility (T²M) (2004-2009)
Reviewer, American Society for Engineering Education, Liberal Education Division annual meeting, Pittsburgh, Penn., June 2008.
Conference Programme Committee for the International Association for the History of Transport, Traffic and Mobility (T²M) Sixth International Conference, Ottawa, September 18-21, 2008.
Invited Participant to *Studies of Science, Technology & Sustainability: Building a Research Agenda – A Workshop at the National Science Foundation*, September 8-9, 2008.
T²M Barker and Robbins Prize Committee for best new entrant in the field of transportation history, 2008.
Invited Participant to the *Technology and Innovation 2025 Conference* sponsored by the Office of the Director for National Intelligence/the National Intelligence Council, and the National Security Agency, May 27-28, 2008.
Council Member, Student Section of the Society for Social Studies of Science (2002-2004)

Collaborative Activities

Moderator of "Science Towards the Betterment of Society" session at *Re-Fusing Di-Vision*, The English Club @ ASU's 2nd Annual Undergraduate Conference, Arizona State University, Tempe, AZ,

- November 14, 2009.
Co-Coordinator (with Ira Bennett), “Science Outside the Laboratory: A Policy “Dis” Orientation,” Washington DC, May 24-June 6, 2009.
Leader, American Meteorological Society Annual Meeting Summer Policy Colloquium Field Trip, January 11, 2009.
Presentation (with John McKnight) to the ASU Center for Religion and Conflict’s Templeton Research project on Transhumanism and Religion, February 18, 2008.
Moderator of “Crossing the Street: Embedding the Student Researcher in Nano and Society” – panel discussion with Quinn Spadola and Julio Tumas, December 7, 2007.
Designed and implemented with Joan McGregor(Philosophy) and Neal Woodbury(Biodesign) a series of modules to discuss Nanotechnology and its societal implications in nanoscale research labs (2005-2006).
Co-Coordinator (with Ira Bennett), “Science Outside the Laboratory: A Policy “Dis” Orientation,” Washington DC, June 3-16, 2007.
Participant in Jason Robert’s (SoLS) Bioethics and Bioengineering Research Cluster (2006-2007)
Participant in the Center for the Study of Religion and Conflict’s Interdisciplinary Seminar: Transhumanism and the Concept of Human Nature (2006-present).

Community Service

- 2009 “Technology and the City,” at *On the Cutting Edge... Today’s Jewish Women Symposium*, Scottsdale, Arizona, November 8.
2009 “Nanotechnology and Society,” presentation with Troy Benn to The Arizona Science Center’s Junior Science Correspondents Program, July 8.
2009 “Technologies of Distraction: Mobile phones, iPods, and e-mail,” presentation with Jonathan Posner, CNS-ASU Science Café, Arizona Science Center, April 17.
2009 Nanodays – student presentations of basic science and nanotechnology applications at the Arizona Science Center, Phoenix, AZ, April 4.
2009 Nanodays – student presentations of basic science and nanotechnology applications at the Tempe Festival of the Arts, Tempe, AZ, March 27-29.
2008 “Nanotechnology – the promise, politics, and personal impacts,” presentation to the Women’s Symposium, co-sponsored by the Jewish Studies Department at ASU along with the Bureau of Jewish Education of Greater Phoenix, November 9.
2008 “The Science and Politics of Nanosilver Socks,” with Troy Benn and Ira Bennett at Triple Play Days, Arizona Science Center, July 25.
2008 “What do you Think About a Technology You Can’t Even See?” CNS-ASU Science Café, Arizona Science Center, April 18.
2007 “Amish Technology,” Spirit of the Senses Salon, Phoenix, AZ, December 3.
2007 “Less is More’ Technology: Is Smaller and Cheaper Always Better?” presentation with Deirdre Meldrum, CNS-ASU Science Café, Arizona Science Center, October 19.
2007 “Cat’s Cradle, by Kurt Vonnegut,” Spirit of the Senses Salon, Scottsdale, AZ, August 18.
2007 “Transferring Western Technology to Developing Countries: Good Intentions, Unexpected Outcomes,” presentation with Bert Jacobs, CNS-ASU Science Café, Arizona Science Center, March 23.
2006 “Amish Technology,” to the Good Ol’ Boys, Westminster Village, Scottsdale, AZ, May 25.