

# Jameson M. Wetmore

School for the Future of Innovation in Society  
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## Current Positions

### School for the Future of Innovation in Society, Arizona State University

Tempe, AZ

- since 2012 *Associate Professor with Tenure*
- since 2014 *Co-Director*, Center for Engagement & Training in Science & Society
- since 2009 *Associate Director for Engagement*, Center for Nanotechnology in Society
- since 2008 *Affiliated Professor*, School of Life Sciences
- since 2010 *Senior Sustainability Scientist and Teaching Faculty*, School of Sustainability
- since 2015 *Honors Faculty*, Barrett Honors College
- since 2016 *Faculty Affiliate*, Lincoln Center for Applied Ethics

## Education

- 2003 **Ph.D., Cornell University**, Ithaca, NY  
Field of Study: Science & Technology Studies  
Dissertation Committee: Ronald Kline, Judith Reppy, and Trevor Pinch
- 2000 **M.A., Cornell University**, Ithaca, NY  
Field of Study: Science & Technology Studies
- 1996 **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

## Professional Experience

### Arizona State University, Tempe, AZ

- 2012 – 2015 *Associate Professor*, School of Human Evolution & Social Change / CSPO
- 2006 – 2012 *Assistant Professor*, School of Human Evolution & Social Change / CSPO
- 2005 – 2006 *Postdoctoral Research Fellow in Science & Technology Policy*

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

- 2003 – 2005 *Postdoctoral Research Fellow in Technology and Ethics*

### National Research Council, Transportation Research Board, Washington, DC

- Summer 1998 *Staff Member*
- Summer 1997 *Christine Mirzayan Science & Technology Policy Graduate Fellow*

### Museum of Science and Industry, Chicago, IL

- Summer 1995 *Exhibit Interpreter* in the Transportation Zone

## Honors/Awards/Fellowships

- 2014 SHESC Director's Award for Excellence in Undergraduate Teaching
- 2013 – 2014 Visiting Scholar, Department of Science, Technology & Innovation Studies, University of Edinburgh, Scotland
- 2011 & 2012 'Bright Ideas' Visiting Research Fellow, ESRC Genomics Policy & Research Forum,

University of Edinburgh, Scotland

- 2009 SHESC Faculty Award for Significant Contribution to Undergraduate Education
- 2007 Society of Technical Communication – Philadelphia Metro Chapter’s Award of Excellence in Technical Publications for “Amish Technology: Reinforcing Values and Building Community”
- 2001 Society of Automotive Historian’s Student Paper Award for: “Driving the Dream: The History and Motivations Behind Sixty Years of Automated Highway Systems in America”
- 1993 Elected by Notre Dame engineering faculty to Sigma Gamma Tau Aerospace Engineering Honor Society

## Edited Books

- 2011 Susan E. Cozzens and Jameson M. Wetmore, **Yearbook of Nanotechnology in Society, Vol. II: Nanotechnology and the Challenges of Equity, Equality, and Development** (New York, NY: Springer). *I co-wrote with a prominent scholar of public policy introductions to the volume and each chapter as well as edited and led the peer review process for 18 of the 26 chapters.*
- 2009 Deborah G. Johnson and Jameson M. Wetmore, **Technology & Society: Building our Sociotechnical Future**, Inside Technology Series (Cambridge, MA: MIT Press). *In conjunction with a prominent engineering ethicist I co-wrote the introduction to the book, introductions to five sections, and introductions to 33 articles carefully selected to be both accessible and cover the field of technology studies. This book is used as a textbook in classrooms across the U.S. and has been favorably reviewed in: Technology and Culture, Science Studies, IEEE Technology & Society, and Time & Society among other publications. This book was peer reviewed.*
- 2008 Erik Fisher, Cynthia Selin, and Jameson M. Wetmore, **Yearbook of Nanotechnology in Society, Vol I: Presenting Futures** (New York, NY: Springer). *I served as primary editor of this book, shepherded a third of 23 chapters through the process, and co-authored the introduction and introductions to each chapter. This book was peer reviewed.*

## Peer Reviewed Articles and Chapters

- 2015 Carolyn Mattick, Jameson M. Wetmore, and Braden R. Allenby, “An Anticipatory Social Assessment of Factory-Grown Meat,” **IEEE Technology and Society** 34(1), Spring, 56-64.
- 2015 Jameson M. Wetmore, “Delegating to the Automobile: Experimenting with Automotive Restraints in the 1970s,” **Technology & Culture** 56(2), April 2015.
- 2014 Heather E. Canary, Julie L. Taylor, Joseph R. Herkert, Karin Ellison, Jameson M. Wetmore, Carlos A. Tarin, “Engaging Students in Integrated Ethics Education: A Communication in the Disciplines Study of Pedagogy and Students Roles in Society,” **Communication Education**, 63, 83-104.
- 2013 Rae Ostman, Brad Herring, Ali Jackson, Ira Bennett, and Jameson Wetmore, “Making Meaning Through Conversations about Science and Society,” **Exhibitionist**, Spring, pp. 42-47.
- 2012 Rider Foley, Ira Bennett, and Jameson M. Wetmore, “Practitioners’ Views on Responsibility: Applying Nanoethics,” in **NanoEthics**, December 6(3): 231-241.
- 2012 Richard Milford and Jameson M. Wetmore, “A New Model for Public Engagement: the Dialogue on Nanotechnology and Religion,” in Sean A. Hays, Jason Scott Robert, Clark A. Miller and Ira Bennett (eds.), **Nanotechnology, the Brain, and the Future** (New York, NY: Springer), pp. 97-111.

- 2012 Jameson M. Wetmore, “A Place for Religion in Nanotechnology Debates,” special issue on “Faith, Ethics and Nanotechnology,” Chris Toumey (ed.) in **Covalence**, June.
- 2011 Raghbir Sharan, Yashowanta N. Mohapatra, and Jameson M. Wetmore, “Technical Education and Indian Society: the Role of Values,” in Susan E. Cozzens and Jameson M. Wetmore (eds.), *The Yearbook of Nanotechnology in Society, Vol. II: Nanotechnology and the Challenges of Equity, Equality, and Development* (New York, NY: Springer), pp. 393-406. *An equal collaboration with two Indian engineering professors to explore the Indian education system.*
- 2009 Jameson M. Wetmore, “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), pp. 111-126.
- 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. *An equal collaboration with a philosopher to develop a new form of ethics education.*
- 2009 Jameson M. Wetmore and Jonathan D. Posner. “Should Corporations Contribute to Nano-Regulation?” **Nano Today** 4(3), June, pp. 217-219. *Collaboration with a nanoengineer where I took the lead.*
- 2008 Jameson M. Wetmore, “Engineering with Uncertainty: Monitoring Air Bag Performance,” **Science and Engineering Ethics**, 14(2), June, pp. 201-218.
- 2007 Jameson M. Wetmore, “Amish Technology: Reinforcing Values, Building Community,” **IEEE Technology & Society** 26(2), June, pp. 10-21.
- 2007 Jameson M. Wetmore, “Distributing Risks and Responsibilities: Flood Hazard Mitigation in New Orleans,” **Social Studies of Science** 37(1), February, pp. 119-126. Republished in Kathryn Neeley (ed.) *Technology and Democracy: A Sociotechnical Systems Approach*, pp. 61-70 (Cognella 2013).
- 2007 Deborah G. Johnson and Jameson M. Wetmore, “STS and Ethics: Implications for Engineering Ethics,” **New Handbook of Science and Technology Studies**, edited by Ed Hackett, Olga Amsterdamska, Michael Lynch, and Judy Wajcman (Cambridge, Mass: MIT Press), pp. 567-582. *An equal collaboration with an engineering ethicist to link STS with ethics.*
- 2004 Jameson M. Wetmore, “Redefining Risks and Redistributing Responsibilities: Building Networks to Increase Automobile Safety,” **Science Technology, and Human Values**, 28(3), Summer, pp. 377-405.
- 2003 Jameson M. Wetmore, “Driving the Dream: The History and Motivations Behind Sixty Years of Automated Highway Systems in America,” **Automotive History Review**, Summer, pp. 4-19.

## Special Issues of Journals Edited

- 2015 Mike Esbester and Jameson M. Wetmore (eds.), “(Auto)Mobility, Accidents and Danger: Inventing Strategies for Safety through history and around the world,” special issue of **Technology & Culture**, 56(2) April. *I co-authored the introduction, edited multiple rounds of revisions of seven articles, and contributed my own research chapter to the issue.*
- 2007 Jameson M. Wetmore (ed.), “Science, Policy, & Social Inequities,” special issue of **Science and Public Policy**, 34(2) March. *I wrote the introduction to the volume, provided significant editorial feedback on the six articles, and ran the peer review process.*

## Current Research Grants

- 4/1/2016 – 3/31/2021 **PI**, “NNCI Coordinating Office at Georgia Tech sub award on SEI,” NSF #1626153 (50% of \$375,000). *I serve as Associate Director for SEI of the NNCI Coordinating Office*
- 9/15/2013 – 8/31/2016 **PI**, “Capacity Building in Computer Science as a Driver of Innovation,” NSF SES #1257145 (75% of \$248,101).
- 9/15/2015 – 9/14/2020 **Co-PI**, “Nanotechnology Collaborative Infrastructure Southwest,” NSF ECCS #1542160 (12% of \$4,000,000) *I am Deputy Director and Director of Societal and Ethical Implications for the Southwest node of the NNCI.*
- 10/1/2010 – 9/30/2016 **Senior Investigator** of “NSEC / Center for Nanotechnology in Society” NSF #0937591 (6% - \$6,500,000). *As Associate Director for Engagement I coordinate the wide array of education programs sponsored by this center including several courses, the museum engagement program and the PhD Plus program. As Co-Leader of Thematic Research Cluster 1: Equity, Equality, and Responsibility I am researching the equity implications of nanotechnology in the US and South Africa.*
- 9/1/2013 – 8/31/2017 **Senior Investigator**, “Networks for Characterizing Chemical Life Cycle: LCnano,” NSF/EPA (\$5,000,000)
- 8/15/2011 – 7/31/2016 **Senior Personnel**, “IGERT: Person-centered Technologies and Practices for Individuals with disabilities” NSF #1069125 (2% of \$2,972,183)

## Completed Research Grants

- 5/15/2015 – 7/31/2016 **Co-PI** of CCE STEM grant “Collaborative Research: Foundations of Social and Ethical Responsibility Among Undergraduate Engineering Students: Comparing Across Time, Institutions, and Interventions” NSF (40% of \$260,491) *ASU component led by Shawn Jordan. Overall project led by Brent Jesiek, Purdue University.*
- 7/1/2013 – 6/30/2015 **PI**, Coordinator, SEI program of the National Nanotechnology Infrastructure Network, NSF (100% of \$115,000)
- 2/15/2014 – 2/14/2015 **PI**, “Doctoral Dissertation Research: A Comparative Study of Community Engagement with Renewable Electricity Technology,” NSF (\$17,000). *I serve as faculty advisor to Jen Fuller, Environmental Social Science PhD student who is carrying out this research.*
- 1/1/2011 – 12/31/2014 **Senior Personnel**, “Partnership for Education on Climate Change, Engineered Systems, and Society,” National Academy of Engineering (10% - \$217,936)
- 7/1/2010 – 7/30/2014 **Co-PI**, “Science Master’s Program: Solar Energy Engineering & Commercialization” NSF #1011691 (5% - \$700,000)
- 7/1/2009 – 7/1/2014 **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). *This grant proposal was outside peer reviewed.*
- 10/1/2010 – 9/30/2013 **Co-PI**, “Introductions to the Conduct of Socially Responsible Research: Developing and Assessing Macroethics Modules for the Collaborative Institutional Training Initiative (CITI) Responsible Conduct of Research (RCR) Courses” NSF #1033111 (25% - \$295,909)
- 9/1/2008 – 9/1/2012 **Co-PI**, “Integrating Microethics and Macroethics in Graduate Science and Engineering Education: Development and Assessment of Instructional Models” NSF #0832944 (15% - \$299,915). *As part of this grant I organized dissemination workshops, developed new course material, and conducted laboratory engagements to create new methods to teach ethics to graduate student scientists and engineers.*

- 9/1/2009 – **Senior Personnel**, “Interaction of Engineered Nanomaterials with Artificial Cell Membranes” NSF #0932885 (\$313,015). *As part of this grant I developed and taught interactive courses specifically for nanoscale engineers.*
- 3/1/2009 – **Senior Personnel**, “Collaborative Research: Rationale Design of Enhanced Catalytic Nanomotors” NSF #0853375 (\$600,000).
- 7/1/2010 – **Co-PI**, “The Involvement of Social Scientists in Nanotechnology and Synthetic Biology,” UK Economic & Social Research Council-SSRC Collaborative Visiting Scholars RES-074-27-0008 (25% of \$7,000). *This grant facilitated an exchange of scholars who develop innovative approaches to science and engineering education.*
- 10/1/2005 – **Senior Investigator** of “NSEC / Center for Nanotechnology in Society” NSF #0531194 (5% - \$6,200,000) (10/01/05 – 9/30/10). *I served as Assistant Director for Education.*
- 2001 – 2003 Dwight D. Eisenhower Transportation Fellowship (\$70,000)
- 2001 – 2003 **Co- PI**, Doctoral Dissertation Research Grant, Science & Technology Studies Program, NSF #0080600 (\$10,000)

## Other Publications

- 2015 Mike Esbester and Jameson M. Wetmore, Introduction to Special issue on “(Auto)Mobility, Accidents and Danger: Inventing Strategies for Safety through history and around the world,” *Technology and Culture* 56(2) April.
- 2014 Jamey Wetmore, “Inspiring Students and Teachers around the Globe: NanoDays in South Africa,” *Nanoscale Informal Science Education Network Newsletter*, August 5.
- 2014 Jameson M. Wetmore, Ira Bennett, Ali Jackson, and Brad Herring, “Nanotechnology and Society: A Practical Guide for Engaging Museum Visitors in Conversations,” handbook for museum professionals to be distributed to over 300 museums in the 2014 NISE Net Nanodays. Available at: [http://www.nisenet.org/catalog/tools\\_guides/nanotechnology\\_society\\_guide](http://www.nisenet.org/catalog/tools_guides/nanotechnology_society_guide)
- 2014 Heather E. Canary, Julie L. Taylor, Joseph R. Herkert, Karin Ellison, Jameson M. Wetmore, Carlos A. Tarin, “Instructors Corner #3: Engaging Students in ‘Big Picture’ Ethics,” *Communication Currents*, 9(2) April.
- 2013 Gary Lee Downey, Juan C. Lucena, Donna Riley, and Jameson Wetmore, “They’re Here to Help: Social Scientists Enable Engineers to See the Gaps in their own Expertise, Last Word, *ASEE Prism*, December, p. 60.
- 2012 Jameson M. Wetmore, “New Technology is Making us More like the Amish,” *Slate’s Future Tense*, December 24.
- 2012 Jameson M. Wetmore, “The Value of the Social Sciences for Maximizing the Public Benefits of Engineering,” *The Bridge*, 42(3), fall, pp. 40-45.
- 2012 Jameson M. Wetmore, “Aider les scientifiques et le public a reflechir aux implications d’ensemble des nanotechnologies (Etats-Unis),” in Institute des Hautes Études pour la Science et la Technologie (ed.), *La Science et le Débat Public* (Paris, France: Actes Sud), pp. 279-293.
- 2011 Jameson M. Wetmore, “View from the Street – A World of Traffic Jams,” the *Newsletter of the International Association for the History of Transport, Traffic, and Mobility*, VIII(2) June, pp. 17-19.
- 2010 Jameson M. Wetmore, “Science’s Influence: Response to ‘Science’s Uncertain Authority in Policy’ by John Marburger,” *Issues in Science and Technology*, 27(1) Fall, pp. 10-12.
- 2010 Jameson M. Wetmore, Series of entries for the *Encyclopedia of Nanoscience and Society* (Thousand Oaks, CA: Sage): “Religion” (pp. 665-667); “Benny the Bear” (p. 45); “Society, Religion and Technology Project, Church of Scotland” (p. 729); “Equity” (with Susan

- Cozzens, pp. 214-215); “American Scientific Affiliation: A Fellowship of Christians in Science” (with Richard L. Milford, Jr., pp. 11-13); “Journal of Lutheran Ethics” (with Richard L. Milford, Jr., pp. 376-377).
- 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.
- 2008 Clark Miller, David Guston, Daniel Barben, Cynthia Selin, Erik Fisher, and Jameson M. Wetmore, “Nanotechnology & Society: Ideas for Education and Engagement,” white paper on the top 10 ideas in nanotechnology in society distributed to hundreds of museums.
- 2007 Jamey Wetmore, Letter to the Editor “Captain Obvious Lied,” *AutoWeek*, January 29, p. 11.
- 2004 Shobita Parthasarathy, Jessie Saul, and Jameson M. Wetmore, “Introduction to Special Issue on ‘Reconstructing Order through Rhetorics of Risk,’” *Science Technology, and Human Values*, 28(3), Summer, pp. 267-268.
- 1998 Contributor to National Research Council, *National Automated Highway System Research Project – A Review*, Special Report 253, Washington, DC: The National Academies Press.
- 1998 Copy editor for Michael J. Crowe, ed., *A Calendar of the Correspondence of Sir John Herschel*, Cambridge University Press.
- 1997 Jameson M. Wetmore, “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).

## Other Creative Activities

- 2016 Producer, “Computer Cultures: Portraits of Knowledge Production in East Africa,” European Premier at Ethnografilm, Paris, April 2; African Premier: Ethnografilm Africa, Multimedia University of Kenya, Nairobi, June 8.
- 2014 Featured actor in the “Nanotechnology” episode of the AZ Cox Channel 7 television show “The STEM Journal.” Directed by David Routt. <http://www.cox7.com/stem-journals/nanotechnology>
- 2012 “Nano and Society” museum professional training program. *In conjunction with NISE Net I developed and ran a series of 4 workshops across the country to train over 100 museum professionals from over 50 science museums in how to address and lead conversations on the social aspects of technology:* Science Museum of Minnesota, St. Paul, MN (September 5-6); Lawrence Hall of Science, Berkeley, CA (September 11-12); Children’s Museum of Houston (September 19-20); Oregon Museum of Science and Industry, Portland, OR (October 3-4).
- 2012 Nano and Society videos: “Decisions in Personal Lives,” “Light switch,” “Cell Phone Rules,” and “Speed Bump.” *Wrote and acted in a series of NISE Net produced videos that are used to train museum staff across the US.* [vimeo.com/50532883; vimeo.com/50538701; vimeo.com/50530764; vimeo.com/50530523]
- 2012 “Nano around the World” – *Facilitated card game to convey basic lessons about nanotechnology and global equity. Developed in conjunction with NISENet. Will be distributed in the 2014 NISE Net Nanodays kit. Available for free download at:* [http://www.nisenet.org/catalog/programs/nano\\_around\\_world](http://www.nisenet.org/catalog/programs/nano_around_world)
- 2012 Advisor to the Material Research Society’s *Strange Matter Green Earth International* museum Exhibit development program.
- 2011 “Nanoparticles and Regulation,” Script developed for presentation on the floors of science museums (with Ira Bennett) to be distributed to museums across the country.
- 2011 NISENet Social Implications of Nanotechnology Posters. *A Series of five posters and five*

*informational sheets on the social implications of nanotechnology (with museum professionals Brad Herring and Rae Ostman) distributed by Nanoscale Informal Science Education Network to hundreds of museums across the country for Nanodays 2010 and 2011 and other programs.*

- 2009 Troy Benn, Ira Bennett, and Jameson M. Wetmore, “Nanosilver Socks Demonstration,” white paper dissemination of a new tabletop demo for use in science museums.

## Blogs

- 2013 “Creating Space in Science Centers for public discussions about the social aspects of science and technology,” in *Genotype*, ESRC Genomics Policy and Research Forum, University of Edinburgh, Scotland, January 9.
- 2012 Series of entries in CSPO’s *As We Now Think*: “We’re Becoming a Bit More Amish” (December 24, 2012); “The Frustrations of a Luddite Handwasher” (December 20); “Dubai: Technology or Freedom” (October 31, 2012).
- 2011 Series of CSPO Soapbox entries (<http://www.cspo.org/soapbox>) on the School of Sustainability Study Abroad Program in Dubai: “Technologies of Distance,” “Sustainability vs. Awesomeness,” “Trip to Masdar,” and “What to do when the Cranes Stop,” January 5-18.
- 2010 Series of CSPO Soapbox entries on the 2010 IHEST Conference: “Science and the Public Debate,” “Values and Airplane Food,” “The Deficit Model,” “Benny was the Star,” “Consensus Conferences,” and “Engaging Policymakers,” August 24 – September 7
- 2009-2011 Other miscellaneous CSPO Soapbox entries including: “In search of pro-poor nanotechnology in South Africa: From cell phones to nanotech” (July 8, 2011); “The internet is not created equal” (April 27, 2011); “Call for Proposals: Pre-natal science education program” (with Ira Bennett, November 29, 2010); “The Dangers of Hype and Hope” (May 24, 2010); “Powering Down on Valentine’s Day” (February 12, 2010); “The View from a Tuc-Tuc” (April 2, 2009); “Technology and the Big Game” (with Lori Hiding, January 29, 2009).

## Invited Presentations

*These presentations were requested by the host organizations that covered my travel expenses*

- 2016 “Reconnecting Engineering with the Social and Political Sphere,” Engineering a Better Future Workshop, Carnegie Mellon, Pittsburgh, April 15.
- 2015 “Social and Ethical Implications of Nanotechnology, NNIN REU Convocation, Ithaca, New York, August 11.
- 2014 “Tools for Sustainable Development of Impoverished Areas, *Materials Research Society Annual Meeting*, Boston, December 1.
- 2014 “Engaging the Public in Constructive Conversation about the Future of Technology,” *Materials Research Society Annual Meeting*, Boston, December 1.
- 2014 “Social and Ethical Implications of Nanotechnology, NNIN Research Experience for Undergraduates Convocation, Atlanta, Georgia, August 12.
- 2013 “Designing the Driver Out of the Equation: America’s Response to Traffic Fatalities,” *Science, Technology & Innovation Studies Seminar Series*, Edinburgh, Scotland, November 11.
- 2013 “Social and Ethical Implications of Nanotechnology,” NNIN REU Convocation, Atlanta, Georgia, August 14, with Ira Bennett.
- 2013 “Education and Training Panel,” *Sixth International Meeting on Synthetic Biology (SB 6.0)*, Imperial College, London, July 10.
- 2013 “Nano around the World,” *1<sup>st</sup> Common Summer school of ERA-SynBio and ST-Flow: Synthetic Biology in Action*, Madrid, Spain, July 4.

- 2013 “Embracing Design for Safety... or... How to Change an Entire Industry’s Approach to Safety,” *Prevention through Design for Construction*, Harvard University Faculty Club, April 4.
- 2012 “Engaging the Public in Conversations about Nano and Society,” *NISE Net Network Wide Meeting*, Cambridge, MA, December 12.
- 2012 “Teaching Ethics, Policy & Societal Implications of Research to Scientists and Engineers: Outlining Content,” *Materials Research Society Fall Meeting*, Boston, MA, November 28.
- 2012 *Workshop on Facilitating Conversations on the Science Museum Floor: Engaging Visitors in the social aspects of science and technology*, ESRC Genomics Policy & Research Forum, University of Edinburgh, Scotland, November 8.
- 2012 “The Need for Local Sensitivities in International Standards,” *International Workshop: Engineering Ethics for a Globalized World (EGW12)*, University of Illinois, Champaign, IL, October 8.
- 2012 “Social Studies of Technology and Religion,” Nano Impacts Group, University of Notre Dame, Notre Dame, IN, September 25.
- 2012 “Facilitating Reflection on Nanotechnology and Society: Actively Engaging the Public to Think about our Collective Future,” ND Nano Seminar, University of Notre Dame, Notre Dame, IN, September 24.
- 2012 “Inclusive Innovation for Inclusive Development,” discussion leader, *Gordon Research Conference on Science and Technology Policy*, Waterville Valley Resort, NH, August 8<sup>th</sup>.
- 2012 “Negotiating Responsibility: Automotive Safety as a Parable for thinking about liability,” *Safety in Design and Construction: A Lifecycle Approach*, Harvard University Faculty Club, April 26.
- 2012 “SEI Professional Development Plans,” (with Ira Bennett) at the Societal and Ethical Implications Meeting, Nanoscale Informal Science Education Network, Oregon Museum of Science and Industry, Portland, OR, January 12.
- 2012 “The Nano-Equity Card Game,” Programs Group Team Meeting, Nansocale Informal Science Education Network, Oregon Museum of Science and Industry, Portland, OR, January 11.
- 2011 “The Challenge of Path Dependency and the Need for Anticipatory Governance,” *CSPO in DC: New Tools for Science Policy*, Washington, DC, October 7.
- 2011 “New Technologies – New Risks? What are the implications of a technologically complex world on the way we think about the risks of novel technologies and practices?” panel member, *Symposium on Risk Uncertainty and Sustainable Innovation*, University of Michigan, Ann Arbor, September 20.
- 2011 “Swimming Upstream: When Scientists and Engineers are More Concerned about Science & Technology than the Public,” *Upstream Engagement with Science and Technology: Opportunities and Challenges, a mini-symposium*, ESRC Genomics Network, University of Edinburgh, Scotland, July 18.
- 2011 “Restraining the Disobedient Driver,” *Road Safety in History*, Oxford Brookes University, Oxford, England, July 1.
- 2011 “Embracing Design for Safety,” *Safety in Design and Construction: A Lifecycle Approach*, Harvard School of Public Health, Cambridge, MA, March 3.
- 2010 “Engaging the Public in Societal Issues,” panel member, *Nanoscale Informal Science Education Network Annual Meeting*, San Francisco, CA, October 27.
- 2010 “Scenarios” panel member, *Emerging Terraformations: Climate Change, Geoengineering and Science Fiction*, UC Santa Cruz, CA, October 23.
- 2010 “Nano and Society: The American Experience,” *IHEST European Summer School: Which Place for Science in the Public Debate?* Saline Royale d’Arc et Senans, France, August 27.
- 2010 “Science Outside the Lab,” *Annual Symposium of the International (Chemistry) Research Training Group*, Rothenberge, Germany, July 12.
- 2010 “Opportunities for Engaging with the Public,” the *Asilomar International Conference on Climate*



- Intervention Technologies*, Pacific Grove, CA, March 25.
- 2010 “Negotiating Responsibility: Automotive Safety as a Parable for thinking about Liability,” *Safety in Design and Construction: A Lifecycle Approach*, Harvard School of Public Health, Boston, MA, February 26.
- 2009 “Overview of CNS-ASU,” with David H. Guston at the *2009 NSF Nanoscale Science and Engineering Grantees Conference*, Arlington, VA, December 9.
- 2009 “Best Practices of NSECs and MRSECs for Advancing NSE Education – Diversity Aspects” at the *2009 NSF Nanoscale Science and Engineering Grantees Conference*, Arlington, VA, December 9.
- 2009 “Anticipatory Governance of Emerging Technologies,” *National Institute for Nano-Engineering Summer Student Program*, Sandia National Labs, Albuquerque, NM, July 22.
- 2009 “Innovation and Graduate Education.” Presented at *Centers, Universities, and the Scientific Innovation Ecology: A Workshop*. National Science Foundation, Arlington, VA, March 26.
- 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.
- 2007 “Nanotech and Religion: Ambitions, Influence, and Policy,” presentation to the Center for Nanotechnology in Society, University of California, Santa Barbara, CA, February 6.
- 2006 “Dealing with Engineering Uncertainty: Monitoring Air Bag Performance,” Department of Technology and Society, SUNY Stony Brook, NY, April 7.
- 2004 “Engineering Ethics,” presentation to the Senior level Engineering Design Clinic, Picker Engineering Program at Smith College, Northampton, MA, March 12.

## Additional Academic Presentations

- 2015 Engaging the Public in STS: Exploring values, relationships, and systems with museum visitors, Making and Doing Session, *Annual Meeting of the Society for Social Studies of Science*, November 12 (with Rae Ostman and Ira Bennett).
- 2012 “STS Concepts and Educational Approaches for Engaging the Public in Nanotechnology and Society,” *Annual Meeting of the Society for the Study of Nanoscience and Emerging Technologies (S.NET)*, University of Twente, the Netherlands, October 24.
- 2012 “Whose Nano is it Anyway? Exploring the equity implications of nanotechnology through an interactive game,” *Annual Meeting for the Society for Social Studies of Science*, Copenhagen, Denmark, October.
- 2011 “Equity, Equality, and Responsibility,” *Annual Meeting of the Society for the Study of Nanoscience and Emerging Technologies (S.NET)*, Tempe, AZ, November.
- 2011 Joseph Herkert, Heather Canary, Karin Ellison, and Jameson M. Wetmore, “Integrating Microethics and Macroethics in Graduate Science and Engineering Education,” *Annual Meeting of the Society for Social Studies of Science*, Cleveland, OH, November.
- 2011 “Late Lessons from Early History: Change is Hard,” *American Society for Environmental History Conference*, Phoenix, AZ, April 16.
- 2011 “The Challenges of Path Dependence and the Need for Anticipatory Governance,” *Resilience 2011: Second International Science and Policy Conference*, Tempe, AZ, March 14.
- 2010 “What have we learned? Where do we go from here?” panel discussant at *The Rightful Place of Science?* Tempe, AZ, May 19.
- 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 Ira Bennett and Jameson M. Wetmore, “Teaching Graduate Students about the Social Implications of Emerging Technologies,” *CNS-ASU Workshop: Real Time Technology*

- Assessment and Anticipatory Governance*, Seattle, WA, September 8.
- 2009 “What Should Everyone Know about Technology?” Panel discussion, *American Society for Engineering Education Annual Conference*, Austin, TX, June 16.
- 2009 Joe Herkert and Jameson M. Wetmore, “Integrating Microethics and Macroethics in Graduate Science and Engineering Education: Developing Instructional Models,” *American Society for Engineering Education Annual Conference*, Austin, TX, June 15. The 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 Environmental Change*, Bonn, Germany, April 29.
- 2009 “Amish Technology,” to the Chemistry Program at the American University in Cairo, Egypt, March 14.
- 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 20.
- 2008 Joan McGregor and Jameson M. Wetmore, “Researching and Teaching the Ethics and Social Implications of Emerging Technologies,” poster presentation at the *Gordon Research Conference on Science and Technology Policy*, Big Sky, MT, August 17-22. McGregor took the lead on this.
- 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, October 26.
- 2007 Ira Bennett and Jameson M. Wetmore, “Bureaucrats, Lobbyists, and Regulators, Oh My! Introducing Graduate Students to Science Outside the Lab,” CSPO’s *Enlightening Lunch*, Tempe, AZ, September 11. Work on this presentation was split evenly.
- 2007 Joan McGregor and Jameson M. Wetmore, “Teaching the Ethics and Social Implications of Emerging Technologies to Graduate Level Students,” *American Society for Engineering Education Annual Conference*, Honolulu, HI, June 26. 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, Charlottesville, VA, March 10.
- 2006 “Created in his Own Image: The Crash Test Dummy as Critical Infrastructure,” *Society for Social Studies of Science Annual Meeting*, Vancouver, BC, Canada, November 4.
- 2006 “Implementing Restraint: The U.S. Debate over Technological and Social Fixes,” presented at *autoConsequences: Automobiliation and its Social Implications*, Simon Fraser University, Vancouver, BC, Canada, October 7.
- 2006 “Amish Transportation: Boundaries, Values, and Technological Choice,” *Fourth International Conference on the History of Transport Traffic and Mobility (T2M)*, Paris, France, 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 16.
- 2006 Deborah Johnson and Jameson M. Wetmore, “Integrating STS: A New Approach to Engineering Ethics,” *American Society for Engineering Education Annual Conference*, Chicago, IL, June 21. I 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, Tempe, AZ, April 28.
- 2006 “Are Car Crashes Dangerous? Redefining Responsibilities for Automobile Safety in the 1960s,” CSPO’s *Enlightening Lunch*, Tempe, AZ, February 1.
- 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 Justin Biddle, Conor Douglas, Sakari Tamminen, Jameson M. Wetmore, and Oliver Zenklusen, “Intervening in the Future: A Political Engagement in the Construction of Science,” *2<sup>nd</sup> 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 13.
- 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, Toronto, Canada, May 20.
- 2004 “From Passive to Automatic: How Air Bags Became Required Equipment in the United States” *University of Virginia Automobile Safety Lab Seminar Series*, Charlottesville, VA, November 17.
- 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, MI, November 5.
- 2004 Deborah Johnson and Jameson M. Wetmore, “Engineering Ethics meets STS,” *Workshop on New Directions in Understanding Ethics and Technology*, University of Virginia, Charlottesville, VA, October 30. The work for this presentation was split evenly.
- 2004 Deborah G. Johnson and Jameson M. Wetmore, “New Directions in Understanding Technology and Ethics,” *Society for Social Studies of Science Annual Meeting*, Paris, August 27. The work for this presentation was split evenly.
- 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, GA, October 18.
- 2003 “Building Systems of Responsibility,” *Society for Social Studies of Science Annual Meeting*, Atlanta, October 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, Blacksburg, VA, March 29.
- 2002 “Manufacturing Air Bag Users: Reconstructing the Public to Make Air Bags Safe,” *Society for Social Studies of Science Annual Meeting*, Milwaukee, WI, November 8.
- 2002 “Attaining Proper Restraint,” *2002 Annual Meeting of the Transportation Research Board*, Washington, DC, 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, Notre Dame, IN, March 30.
- 2001 “Attaining Proper Restraint: Redesigning Responsibility into Automobiles and the Public,” *Technologies of Uncertainty: Reconstructing Order through Rhetorics of Risk*, Cornell University, Ithaca, NY, April 21.
- 2000 “Behind the Air Bag: Making Technology Responsible,” *Worlds in Transition: Technoscience, Citizenship and Culture in the 21<sup>st</sup> Century: Society for Social Studies of Science Annual Conference*, Vienna, Austria, 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, Canada, 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, MI, September 12.

## Media Coverage

- 2015 John Markoff, “Toyota Invests \$1 Billion in Artificial Intelligence in U.S.,” *New York Times*, November 6, 2015, p. B3.
- 2015 National Science Foundation, “Helping Nanotechnology work for Everyone,” Science Nation, Miles O’Brien, Correspondent, Marsha Walton, Producer, November 2. [https://www.nsf.gov/news/special\\_reports/science\\_nation/nanotechimpact.jsp](https://www.nsf.gov/news/special_reports/science_nation/nanotechimpact.jsp)
- 2013 Art Pine, “Strange Labfellows,” *ASEE Prism*, March-April, pp. 39-42.
- 2012 Tom Vanderbilt, “Autonomous Cars Through the Ages,” *WIRED*, February 6.
- 2012 Carolyn Hutyra, “Professor encourages public engagement in sciences,” *The Observer*, September 25.
- 2011 Kat Vanklompberg, “Lawmakers consider banning texting while driving,” *State Press*, March 29.
- 2010 Angela Gonzales, “Nanotechnology could spur medical breakthroughs,” *Phoenix Business Journal*, October 17.
- 2010 Lynn Ducey, “Harkins Theatres campaign aims to stop moviegoers from texting,” *Phoenix Business Journal*, September 10.
- 2010 Dan Neil, “Driven: Why Cars Move Men,” *Men’s Health*, April.
- 2009 Patrick O’Grady, “E-mail, instant messaging and internet use are rampant, but do they make us more productive?” *Phoenix Business Journal*, April 3.
- 2006 Daniel Engber, “Can the Amish Ride in Helicopters?” *Slate*, October 3.

## Conferences/Workshops Organized

- 2016 “Computing Research as a Development Driver in East Africa,” (assisted with Gregg Zachary as lead), Makerere University, Kampala, Uganda, June 1-2.
- 2014 “Fostering Computer Research and Innovation in East Africa,” Nairobi Safari Club, Kenya, June 9.
- “Community Engagement Workshops,” Developed and ran (with Matthew Harsh (Concordia) and Susan Cozzens (Georgia Tech)), a series of two-day workshops designed to equip engineers aspiring to apply their skills to the developing world with the basic tools needed to succeed in foreign and unfamiliar communities. Workshops have been held at: Georgia Tech (March 20-21), the University of the Western Cape, South Africa (April 8-11), Concordia University, Montreal (October 3-4), and Arizona State University (November 21-22).
- 2014 “Nanodays in South Africa Workshop,” Trained 8 nanotechnology graduate students and 6 museum professionals in tabletop nanotechnology demonstrations and then spent two days presenting these activities to families and students at the Cape Town Science Center (April 7-9).
- 2013 *The Future of In-vitro Meat*, series of three visioning workshops (with Carolyn Mattick), Arizona State University, Tempe, AZ, March 22, April 5, and April 19.
- 2011 “Science Beyond the Field: a Policy (dis)Orientation Workshop” (with Lori Hiding, Ira Bennett, and Mahmud Farooque) at the *Annual Meeting of the Ecological Society of America*, Portland, OR, August 5.
- 2009 *Congress on Teaching the Social and Ethical Implications of Research* – Joint meeting of the NNIN SEI Coordinators, NSEC SEI Coordinators, ASU’s three EESE grants, and NISENet’s social implications group, Tempe, AZ, November 10-11. Attracted over 100 scholars.

- 2009 CNS / NISE Net joint Museum Demonstrations on Nanotechnology and Society (with Rae Ostman) at the Pacific Science Center, Seattle, WA, September 7 and the Annual Meeting of the Society for the Study of Nanoscience and Emerging Technologies, University of Washington, Seattle, WA, September 8.
- 2008 *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, Tempe, AZ, November 20-22.
- 2008 *Diversity and Accessibility Awareness Week*, sponsored by the Campus Environment Team, CNS and others at Arizona State University, Tempe, AZ, October 27-30.
- 2006 *Dialogue on Nanotechnology and Religion* (with Tobie Milford) Arizona State University, Tempe, AZ, February 19-20.
- 2004 *Workshop on Science, Policy, and Social Inequities*, Arizona State University, Tempe, AZ, May 21-23.
- 2002 *Workshop on New Directions in Understanding Ethics and Technology*, (with Tom Powers and Deborah Johnson) University of Virginia, Charlottesville, VA, October 27-30.
- 2001 *Under Construction: 3<sup>rd</sup> Annual Northeast Graduate Student STS Conference*, (with Naubahar Sharif) Cornell University, Ithaca, NY, February 15-16.
- 2000 *Technologies of Uncertainty: Reconstructing Politics through Rhetorics of Risk* (with Shobita Parthasarathy, Jessie Saul and Josh Greenburg) Cornell University, Ithaca, NY, April 20-22.
- 1999 *The Significance of Noise* (with Shobita Parthasarathy, Jessie Saul, Josh Greenburg, and Cyrus Mody) Cornell University, Ithaca, NY, April 7-8.
- 1998 *Workshop on Technology and Identity* (with Shobita Parthasarathy and Jessie Saul) Cornell University, Ithaca, NY, April 16-18.
- 1997 Bovay Lecture in Engineering Ethics and the Environment, Cornell University, Ithaca, NY, April 28.
- Workshop on Knowledge in Practice* (with Shobita Parthasarathy and Jessie Saul) Cornell University, Ithaca, NY, May 2.

## Panels Organized

- 2015 “Constructing home-grown computer science in East Africa, *Society for Social Studies of Science*, Denver, CO, November.
- 2015 “African Research Capacity and Responsible Innovation: Global Video Portraits and Roundtable,” S.NET annual Meeting, Montreal, CA, October 21.
- 2012 “STS Engagements with Science Centers: Bringing Broader Implications to the Museum Floor,” *Society for Social Studies of Science*, Copenhagen, Denmark, October.
- 2011 “The Challenges of Equity, Equality, and Development,” *Society for the Study of Nanoscience and Emerging Technologies* (S.NET), Tempe, AZ, November.
- 2011 “Teaching Social and Ethical Implications of Research to Scientists and Engineers,” *Society for Social Studies of Science*, Cleveland, OH, November.
- 2011 “Late Lessons from Early History: Change is Hard” (with Abigail York), *American Society for Environmental History Conference*, Phoenix, AZ, April 16.
- 2010 “Lessons of Engagement: Learning from Policymakers and the Public,” *Annual Meeting of the American Association for the Advancement of Science*, San Diego, CA, February 22.
- 2009 “The New Sentinels of Progress? Investigating Emerging Approaches to Governing Technology” (with Shobita Parthasarathy and Regula Valérie Burri) series of three panels at the *Society for Social Studies of Science Annual Meeting*, Washington, DC, October 30.
- 2009 “Change is Hard: The Challenges of Path Dependency” (with Abigail York) *Open Meeting of the International Human Dimensions Programme: Social Challenges of Global Change*, Bonn,

- Germany, April 29.
- 2007 “Graduate Education in the Social and Ethical Aspects of Engineering,” *American Society for Engineering Education Annual Conference and Exposition*, Honolulu, HI, June 26.
- 2006 “Shifting Gear: What do changes in automotive infrastructures reveal?” *Society for Social Studies of Science Annual Meeting*, Vancouver, BC, Canada, November 4.
- 2004 “Engineering Ethics: Reflections and New Directions,” *Society for Social Studies of Science Annual Meeting*, Paris, France, August 27.
- 2003 “Thrills and Spills: Framing Automobile Safety and Enthusiasm,” *Society for the History of Technology Annual Meeting*, Atlanta, GA, October 18.
- 2003 “STS, Ethics, and Technology,” *Society for Social Studies of Science Annual Meeting*, Atlanta, GA, October 16.

## Professional Service

- 2016-present Advisory Committee, Space and Earth Informal STEM Education project
- 2016 Reviewer, American Society for Engineering Education’s Liberal Education / Engineering & Society Division Annual Meeting
- 2010-2015 Editorial Board, *International Journal of Technoethics*
- 2007-2015 Faculty Review Board, *The Triple Helix: The International Journal of Science, Society, and Law at Arizona State University*
- 2012-2014 Faculty Review Board, *The Quanta Foundation*
- 2010-2012 Content Steering Group Advisor, Nanoscale Informal Science Education Network
- 2005-2010 Secretary/Treasurer of the American Society for Engineering Education’s Liberal Education Division
- 2004-2009 Executive Committee, International Association for the History of Transport, Traffic and Mobility (T2M)
- 2008-2009 Program Committee for a number of conferences including *the IEEE International Symposium on Technology and Society’s Conference* (Tempe, AZ, June 17-20, 2009) and *the International Association for the History of Transport, Traffic and Mobility (T<sup>2</sup>M) Annual Conference* (Ottawa, Canada, September 18-21, 2008)
- 2008-2011 Invited Participant to professional steering conferences including: The US Department of Energy’s Energy Literacy Workshop (March 8, 2011); *Studies of Science, Technology & Sustainability: Building a Research Agenda – A Workshop at the National Science Foundation* (September 8-9, 2008) and *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)
- 1998-2007 Book reviews for professional journals such as *Isis: Journal of the History of Science Society*; *Science and Engineering Ethics*; and *East Asian Science, Technology, and Society*.
- 2008-2011 Reviewer, American Society for Engineering Education, Liberal Education Division annual meetings: Pittsburgh, PA, June 2008; Vancouver, BC, Canada 2011.
- 2008 T<sup>2</sup>M Barker and Robbins Prize Committee for best new entrant in field of transportation history
- 2002-2004 Council Member, Student Section of the Society for Social Studies of Science

## University Service

- 2015-present University Senate
- 2014-2015 Fulbright Australia/New Zealand Committee
- 2014-2015 Member, CLAS Research Advisory Committee
- 2014-2015 ASU Applied Ethics Review Committee
- 2010-present Faculty, Professional Science Masters Program in Solar Engineering and Commercialization

- 2012 Associate Provost's Global Engagement Committee
- 2010-2011 Social Sciences scholarship selection committee
- 2008-2011 CLAS Science and Society Committee
- 2006-2009 Campus Environment Team, ASU

## School/Unit Service

- 2016-present Faculty Chair, Undergraduate Programs, School for the Future of Innovation in Society
- 2015-present Chair, Undergraduate Program Development Committee
- 2015-present Member, SFIS P&T Development Committee
- 2015-present Member, HSDST Program Review Committee
- 2007-present Executive Committee, Human and Social Dimensions of Science & Technology PhD
- 2009-present Faculty, Master's Program in Science and Technology Policy
  - 2015-2016 Chair, Applied Ethics for the Professions Master's Program Review Committee
  - 2014-2015 Chair, CSPO/SST Faculty Search Committee
    - Fall 2014 Interim Chair, Human and Social Dimensions of Science & Technology PhD Program
    - Fall 2014 Interim Chair, Masters in Science and Technology Policy
  - 2012-2013 Chair, SHESC Undergraduate Curriculum Committee
    - 2012 Co-Chair, SHESC Targeted Hire Search Committee
  - 2011-2012 SHESC 7 year Program review self-study committee
  - 2009-2011 SHESC Undergraduate Curriculum Committee
  - 2007-2008 SHESC ad hoc Undergraduate Curriculum Committee
  - 2007-2011 SHESC Library Committee
  - 2007-2011 Chair, CSPO Website Committee
  - 2008-2009 CSPO Professional Master's Degree Planning Committee
  - 2008-2009 CSPO Strategic Plan Integration and Participation Implementation Working Group

## Reviewer

- National Science Foundation, Science, Technology, and Society Program (2005, 2009, 2010, 2011, 2012, 2013(3), 2014(2), 2015, 2016)
- Journal of Responsible Innovation* (2015)
- Netherlands Organization for Scientific Research (2015)
- Minerva* (2015)
- Israeli Ministry of Science, Technology and Space (2015)
- Cornell University Press (book manuscript review) (2014)
- Social Studies of Science* (2007, 2008, 2009, 2012, 2014)
- Science as Culture* (2014)
- Journal of Professional Issues in Engineering Education and Practice* (2014)
- Nanotoday* (2014)
- Technology and Culture* (2009, 2010, 2011, 2012(2), 2013)
- Education Sciences* (2013)
- International Journal of the Commons* (2013)
- Science, Technology & Human Values* (2003, 2005, 2006, 2011, 2012(2), 2013)
- Review of Policy Research* (2012)
- MIT Press's Inside Technology Series (book manuscript review) (2009, 2012)
- International Journal of Engineering, Social Justice, and Peace* (2012)
- Nano Today* (2011)
- Science and Engineering Ethics* (2004, 2007, 2008, 2010, 2011)
- Environmental Justice* (2010)
- Engineering Studies* (2010, 2013)

*Organization Studies* (2008, 2010)  
*International Journal of Disability, Community & Rehabilitation* (2009)  
*Pakistan Journal of Scientific and Industrial Research* (2008)  
*IEEE's Technology & Society* (2007, 2008)  
Wiley-Blackwell's Philosophy of Technology Series (2007)  
*Biological Theory* (2007)

## Community Service

- 2008-2015 Organized ASU's Nanodays student presentations, a weeklong annual event sponsored by the Nanoscale Informal Science Education Network every March at both the Tempe Festival of the Arts and the Arizona Science Center (with Ira Bennett).
- 2015 Expert Presenter, NanoDays "Meet the Scientist" Showcase, Arizona Science Center, April 4.
- 2015 Judge of the "Science and Society" Prize for the Arizona Science & Engineering Fair, Phoenix, AZ.
- 2013 "Nano Around the World," *Adult Night*, Arizona Science Center, May 3.
- 2012 Ira Bennett and Jamey Wetmore, "Exploring Nanotechnology around the World," *Books and Beakers*, Yard Gnome Bookstore, Phoenix, AZ, December 18.
- 2012 Facilitator, *World Wide Views on Biodiversity*, Arizona State University, September 15.
- 2012 "Scientist Speed Dating," *Spring STEMfest Speed Connections 2012* at the Arizona Science Center, Phoenix, AZ, April 11 (co-organized and participated).
- 2012 "A User's Guide to Everyday Technology," keynote speech, *Issue Day*, Maumee Valley Country Day School, Toledo, OH, March 9. Also ran two workshops for Issue Day: "Amish Technology" and "Whose Nano is it Anyway?"
- 2012 Jameson Wetmore and Andrea Lewis, "What's in our skincare?" Science Café, Arizona Science Center, Phoenix, AZ, January 20.
- 2011 Ira Bennett and Jameson M. Wetmore, "Science and Regulatory Challenges of Commercial Nanoparticles," Science Café, Berkeley, CA, September 12.
- 2011 Organizing Committee of the Arizona Science Center's "Making Stuff" Science Festival, February 18-20.
- 2010 "Amish Technology" presentation to the Cornell Club of Arizona, Tempe, AZ, May 8.
- 2009 "Technology and the City," presentation to *Today's Jewish Women Symposium*, Scottsdale, AZ, November 8.
- 2009 Troy Benn and Jameson M. Wetmore, "Nanotechnology and Society," the Junior Science Correspondents Program, Arizona Science Center, July 8.
- 2009 Jonathan Posner and Jameson M. Wetmore, "Technologies of Distraction: Mobile phones, iPods, and e-mail," Science Café, Arizona Science Center, April 17.
- 2008 "Nanotechnology – the promise, politics, and personal impacts," presentation to *Today's Jewish Women Symposium*, Scottsdale, AZ, November 9.
- 2008 Troy Benn, Ira Bennett, and Jameson M. Wetmore, "The Science and Politics of Nanosilver Socks," *Triple Play Days*, Arizona Science Center, July 25.
- 2008 "What do you Think About a Technology You Can't Even See?" Science Café, Arizona Science Center, April 18.
- 2007 "Amish Technology," presentation to *Spirit of the Senses Salon*, Phoenix, AZ, December 3.
- 2007 Deirdre Meldrum and Jameson M. Wetmore, "'Less is More' Technology: Is Smaller and Cheaper Always Better?" Science Café, Arizona Science Center, October 19.
- 2007 "Cat's Cradle, by Kurt Vonnegut," presentation to *Spirit of the Senses Salon*, Phoenix, AZ, August 18.
- 2007 Bert Jacobs and Jameson M. Wetmore, "Transferring Western Technology to Developing Countries: Good Intentions, Unexpected Outcomes," Science Café, Arizona Science



Center, March 23.

2006 “Amish Technology,” presentation to the Good Ol’ Boys, Westminster Village, Scottsdale, AZ, May 25.

## University Courses

- Fall ‘16 FIS 111 **Welcome to the Future**. This is the introductory course to the undergraduate programs in the School for the Future of Innovation in Society
- Fall ‘07, Fall ‘08, Fall ‘09, Fall ‘10, Fall ‘11, Spr ‘13, Spr ‘15, Spr ‘16 ASB 344 **Technology and Society**. I have taught this course almost every year since 2007, secured “Literacy,” “Social/Behavioral,” and “Science and Society” credit for it, completed a couple dozen honors contracts through it, secured a permanent ASB course listing for it, and built it up from 30 to 175 students with three teaching assistants and seven breakout seminars a week. Student evaluations are consistently at the top of large ASU courses.
- Fall ‘08, Spr ‘09, Fall ‘09, Spr ‘10, Fall ‘10, Spr ‘11, Spr ‘12, Spr ‘13, Spr ‘15, Sp’16 CHM 501/MAE 591 **Science Policy for Scientists and Engineers**. I created this new course with Jonathan Posner (engineering) and Ira Bennett (CSPO) to introduce graduate student scientists and engineers to the social aspects of science and technology. Class consistently fills to 20 student capacity.
- Fall 2015 ASB 591 **Professionalism**. A one credit course that introduces first year PhD students to the practical and professional aspects of graduate school and academia.
- Fall 2014 HSD 601 **Introduction to Human and Social Dimensions of Science & Technology**. This is a four credit introductory course for the PhD program of the same name.
- Spr ‘10, Fall ‘10, Spr ‘12, Spr ‘13 HSD 504/ESS 504/ASB 591 **Introduction to Analyzing Sociotechnical Systems**. I created this course for three new graduate programs: it is required for the PSM in Science & Technology Policy and is a core course for the PhD in Human and Social Dimensions of Science & Technology and the PhD in Environmental Social Sciences.
- Spr ‘11, Spr ‘12 GCU/PUP 549 **Solar Energy & Public Policy**. I developed this course with Martin Pasqualetti (geography) as a required core course of the PSM in Solar Engineering and Commercialization. It combines one credit hour in the spring semester with a two credit hour two week Washington, DC policy immersion component.
- Spr ‘11 POS 394 **Introduction to Science & Technology Policy**. I created a new “Science and Society” course for 125 undergraduates w/ Clark Miller, Ira Bennett, and Matthew Harsh.
- Fall ‘09 ASB 591/ESS 591 **Path Dependence Theory and Analysis**. I created this course with Abigail York, Michelle Hegmon, and Bob Bolin to introduce graduate students to and enlist their help with “Change is Hard,” a Late Lessons from Early History Project.
- Fall ‘08 BIO 394/ASB 394 **Bioethics in Film: Technology and Human Values**. Jason Robert (SoLS) and I developed this course to introduce students to issues in technology and society using film.
- Spr ‘08 CHM 394/ASB 394/POS 426 **Learning Community: The Social, Political, and Scientific Challenges of New Technologies: Nanotechnology**. I served as leader and professor of a 9 credit Learning Community that provided undergraduates with an integrated multi-faceted exploration of nanotechnology with Dave Guston (political science) and Ira Bennett (chemistry).
- Spr ‘06, Spr ‘07 POS 598/BIO 598/JUS 598 **Science, Technology, and Societal Outcomes**. I created (with Ira Bennett) a graduate course that served as an introduction to science policy and the social aspects of science and technology.
- Spr ‘04 TCC 402 **The Engineering, Ethics, and Society**. I taught the capstone course for engineers finishing their final semester at the University of Virginia in Spring 2004

- 1995-1999 Prior to becoming a professor I served as a teaching assistant and guest lecturer for: S&TS/ENGR/HIST 298 **Inventing an Information Society** (w/Ron Kline, Cornell, Spring 1999); S&TS/ENGR/HIST 250 **Technology in Society** (w/Ron Kline, Cornell, 1997, 1998, and 1999); S&TS/ENGR 360 **Ethical Issues in Engineering** (w/Ron Kline, Cornell, 1998); and PLS 343 **History of Mechanics/Life Sciences** (with Michael Crowe, Notre Dame, 1995).

## Study Abroad Programs

- 2014, 2015 Refined and ran the School of Human Evolution & Social Change's Study Abroad in **Australia and Fiji: Human Dimensions of Sustainability**, May 22-June 15, 2014; May 15-June 7, 2015.
- 2014 Refined and ran the School of Human Evolution & Social Change's Study Abroad in **Fiji: Adventures in Culture, Environment, History, and Health**, June 7-15, 2014.
- 2013 Co-Developed the School of Sustainability's Study Abroad Program: **Washington D.C. and London, U.K.: Comparing Sustainability across Cultures and Governments**, with Ira Bennett, June 15-July 1, 2013.
- 2013 Co-Developed the School of Sustainability's Study Abroad Program: **Spain and Morocco: Energy, Sustainability, and Development across the Mediterranean**, with Mary Jane Parmentier, June 7-27, 2013.
- 2012, 2013 Refined and ran the School of Human Evolution & Social Change's study abroad program: **New Zealand: Adventures in Culture, Health, and Environment**, May 24-June 17, 2012; May 18-June 9, 2013.
- 2011 Co-Developed the School of Sustainability's Study Abroad Program: **Sustainability and Culture in Dubai**, with Mary Jane Parmentier, January 2-16, 2011.
- 2009, 2010, 2011 Faculty, SHESC's **Summer Study Abroad: London, the Greatest City**, June 24-July 3, 2009, July 20-30, 2010, and July 20-29, 2011.
- 2008 Social Science Faculty, the National Nanotechnology Infrastructure Network – Indian Institute of Technology, **Kanpur Winter School on Organic Electronics in Kanpur and Paralakhemundi**, India, December 4-21, 2008.

## Other University Education Programs

- 2013 Program Assistant, **Center for Nanotechnology in Society's Winter School**, Saguaro Lake Ranch, January 4-11, 2013. I gave multiple presentations, facilitated engagement activities, and helped with overall logistics.
- 2007, 2009, 2010, 2011, 2012, 2016 Co-Leader of **Science Outside the Lab – A Policy (dis)Orientation** (with Ira Bennett), *a two week workshop held in Washington, DC annually that gives a dozen graduate student scientists and engineers a chance to interact with regulators, policymakers, funding agencies, museum professionals, lobbyists and others to learn how science is incorporated into national policies and how national policies influence science. I led two week sessions June 3-16, 2007; May 24-June 6, 2009; June 13-26, 2010; May 23-June 5, 2011; and June 17-30, 2012, May 22-28, 2016.*
- 2010-present Organizer, **CSPO's PhD Plus Program**. *This program offers graduate students in the sciences and engineering the opportunity to add a social, political, and/or ethical chapter to their PhD dissertation. I work with students to find appropriate faculty advisors and have served as an advisor to several students.*
- 2010-2015 Co-Organizer, **CNS/NNIN Informal Science Communication Program**. *This program gives undergraduate and graduate students a chance to present basic science demos and their own research to*

*the general public at the Arizona Science Center.*

- 2006, 2009, 2010 Organizer of several **Laboratory Engagements** – *I have designed and implemented a series of lab engagements to help research teams explore and reflect on the social implications of their research: Bart Jan Ravoo’s Organic Chemistry Lab (University of Muenster, Germany, 2010, with Jan Mehlich); Patrick Phelan’s Solar Engineering Lab (2010, with Joan McGregor); Steve Helms-Tillery’s neuroscience lab (2009, with McGregor); and Neal Woodbury’s Nanotechnology lab (2006, with McGregor).*
- 2009 CNS Short Course: **Introduction to Making STEM Research Socially Relevant.**  
Developed and ran (with Ira Bennett) for the Hispanic Research Center, Spring.
- Guest lectures** in over fifteen ASU courses in multiple disciplines for both grads and undergrads including Biological Design, Sociology, Journalism, Education, Political Science, Nanotechnology, Chemistry, Design, and Anthropology.
- Have led a number of **Independent Studies** at both the graduate and undergraduate level since 2007 in Anthropology, HSD, Biology, Design, and Materials Science.

## Postdoctoral Fellows Mentored

- 2013-2014 Kiera Reifschneider-Wenger – NNIN postdoctoral fellow. *Now Senior Physical Scientist at the Government Accountability Office (GAO)*
- 2008-2012 Matthew Harsh – CNS postdoctoral fellow. *Now tenure track assistant professor at Concordia University*

## Doctoral Dissertations Directed

- 2016 Erica O’Neil, PhD in Biology and Society (committee), “Fetal Risk, Federal Response: How Fetal Alcohol Syndrome Influenced the Adoption of Alcohol Health Warning Labels.”
- 2016 Michael Burnam-Fink, PhD in Human & Social Dimensions of Science and Technology (committee) – “Making Better Students: ADHD in Higher Education and the Biopolitics of Stimulant Medication.”
- 2015 Sharlissa Moore, PhD in Human & Social Dimensions of Science and Technology (committee) – “Visions for Sustainable Energy Transformations: Integrating Power and Politics in the Mediterranean Region. *Now tenure track faculty in James Madison College at Michigan State University.*
- 2015 Marci Baranski, PhD in Biology and Society (committee) “The Wide Adaptation of Green Revolution Wheat.” *Now at the US Department of Agriculture’s Climate Change Program Office.*
- 2014 Carolyn Mattick, PhD in Civil, Environmental and Sustainability Engineering (committee) – “An Emerging Technology Assessment of Factory-Grown Food.” *Now a AAAS Science and Technology Policy Fellow at the State Department.*
- 2014 Gretchen Gano, PhD in Human & Social Dimensions of Science and Technology (committee) – “The Soft Megamachine: Lewis Mumford’s Vision of Technological Society and Implications for (Participatory) Technology Assessment.” *Now Associate Director of Research for the Center for Science, Technology, Medicine & Society, University of California, Berkeley.*
- 2013 Daniel Plunkett, PhD in Community Resources and Development (committee) – “Examining the Impact of Media Content, Emotions, and Mental Imagery Visualization on Pre-Trip Place Attachment.” *Now Assistant Professor at University of Wisconsin-La Crosse.*
- 2009 Troy Benn, PhD in Civil and Environmental Engineering (committee) – “The Release of Engineered Nanoparticles from Commercial Products.” *Now PE Hydrologist at the Bozeman Regional Office of the Montana Department of Natural Resources & Conservation.*

## Masters Theses Directed

- 2016 Deron Ash, Masters in Science & Technology Policy (**chair**) – “Live from Mars: An

- Exploration of Why NASA is Using Anthropomorphism in its Public Communications.”
- 2015 Jordan Hibbs, Masters in Science & Technology Policy (committee) – “Real-Time Feedback and Energy Consumption: A Review of Smart Energy Management Technology and the Potential Impacts for Arizona”
- 2014 Cherish Connolly, Masters in Science and Technology Policy (**chair**) – “Socio-economic Impact of Environmental Regulations”
- 2014 Karina Jacobs, Masters in Science and Technology Policy (**co-chair**) – “The Circular Economy Game: Engaging a Community in Science Policy”
- 2012 Alaina George, PSM in Science & Technology Policy (**chair**) – “Navajo Nation: Information and Communication Technologies (ICTs) and Education”
- 2012 Travis Johnson, Masters in Science & Technology Policy (**chair**) – “Deliberative Systems Views of Efforts to Democratize Energy in Arizona”
- 2012 Kevin Margeson, Masters in Science & Technology Policy (committee) – “Innovators and Operators: Improving the Implementation of Space Exploration and Science”
- 2008 Shannon Lidberg, Masters in Design (committee) “Examining Potential Futures: A Designer’s Toolbox for Identifying Potential Social and Cultural Implications”

## Undergraduate Theses Directed

- 2015 Shane Kula, sustainability, undergraduate honors thesis (committee)
- 2013 Jesse Shedd, anthropology, undergraduate honors thesis (**chair**)
- 2012 Dean Buhla, biology and society, undergraduate thesis (**chair**)
- 2011 David Edwards, biology and society, undergraduate honors thesis (committee)
- 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)

## Current Graduate Students

Alaina George, PhD in Human & Social Dimensions of Science and Technology (**chair**)

Shannon Lidberg, PhD in Human & Social Dimensions of Science and Technology (**chair**)

Jen Fuller, PhD in Environmental Social Science (**chair**)

Brenda Trinidad, PhD in Human & Social Dimensions of Science and Technology (**chair**)

Elizabeth Garbee, PhD in Human & Social Dimensions of Science and Technology (**chair**)

Michael Bernstein, PhD in Sustainability (**co-chair**)

Tim Kostyk, PhD in Human & Social Dimensions of Science and Technology (**co-chair**)

Samantha Thomas, PhD in History & Philosophy of Science (**co-chair**)

Elizabeth Burroughs, PhD in Justice Studies (committee)

Eric Kennedy, PhD in Human & Social Dimensions of Science and Technology (committee)

Annie Warren, PhD in Human & Social Dimensions of Science and Technology (committee)