

## The Center for Nanotechnology in Society at Arizona State University Publications List

*Primary NSEC support indicated by (‡) symbol. Partial NSEC support for all others.*

### **Books**

1. ‡Fisher, E.; C. Selin; and J. Wetmore (eds). 2008. *Yearbook of Nanotechnology in Society, Volume I: Presenting Futures*. Guston, D.H. (series editor). New York: Springer.
2. ‡Guston, D. H. (ed.) under contract. *Encyclopedia of Nano-science and Society* (two volumes). Thousand Oaks, CA: Sage Publications.
3. ‡Miller, C. and D. Barben (eds). in preparation, 2011. *Yearbook of Nanotechnology in Society, Volume III: Nanotechnology, Equity and Equality*. Guston, D.H. (series editor). New York: Springer.
4. ‡Robert, J.S. (ed). in preparation, 2009. *Yearbook of Nanotechnology in Society, Volume II: Nanotechnology, the Brain and the Future*. Guston, D.H. (series editor). New York: Springer.
5. ‡Wetmore, J. and S. Cozzens (eds). in preparation, 2010. *Yearbook of Nanotechnology in Society, Volume III: Nanotechnology, Equity and Equality*. Guston, D.H. (series editor). New York: Springer.
6. Wetmore, J. and D.G. Johnson. 2008. *Technology and Society: Building our Sociotechnical Future*. Cambridge, MA: MIT Press.

### **Peer Review Journal Articles**

7. Abbot, K.W.; G.E. Marchant and D.J. Sylvester. 2006. "A Framework Convention for Nanotechnology?" *Environmental Law Reporter*. 36: 10931-10942.
8. ‡Bennett, I. and D. Sarewitz. 2006. "Too Little, Too Late? Research Policies on the Societal Implications of Nanotechnology in the United States" *Science as Culture*. 15(4): 309-325.
9. ‡Boradkar, P. and C. Selin. in preparation. "Prototyping Nanotechnology: A Pedagogic Approach to Responsible Innovation" to be submitted to *Journal of Nanotechnology Education*.
10. Brown, M. and D. H. Guston. Forthcoming. "Science, Democracy, and the Right to Research." *Science and Engineering Ethics*.
11. ‡Fisher, E. 2007. "Ethnographic Invention: Probing the Capacity of Laboratory Decisions" *NanoEthics*. 1(2): 155-165.
12. ‡Fisher, E. & Lightner, M. (Under Review). "An Overlooked Responsibility: The Informed Consent of Graduate Engineering Researchers." *Science and Engineering Ethics*.
13. ‡Fisher, E. and R.L. Mahajan. 2006. "Nanotechnology Legislation: Contradictory intent? U.S. federal legislation on integrating societal concerns into nanotechnology research and development" *Science and Public Policy*. 33(1): 5-16.
14. ‡Fisher, E.; R.L. Mahajan; and C. Mitcham. 2006. "Midstream Modulation of Technology: Governance from Within" *Bulletin of Science, Technology and Society*. 26(6): 486-496.

15. Hogle, L.F. 2006. "Enhancement technologies and the body" *Annual Review of Anthropology*. Durham, W.; J. Comaroff; and J. Hill (Eds) Palo Alto: Annual Reviews of Anthropology and Neuroscience. 34: 695-716.
16. Laurent, B. 2007. "Diverging Convergences" *Innovation: The European Journal of Social Science Research*. 20(4): 343-357.
17. Lee, C. and D.A. Scheufele. 2006. "The influence of knowledge and deference toward scientific authority: A media effects model for public attitudes toward nanotechnology" *Journalism & Mass Communication Quarterly*. 83(4): 819-834.
18. Marchant, G.E. and Sylvester, D.J. 2006. "Transnational Models for Regulation of Nanotechnology" *Journal of Law, Medicine, and Ethics*. 34(4): 714-725.
19. ‡Miller, C.A. and I. Bennet. Under review. Science Fiction as Technology Assessment. Science and Public Policy. Submitted.
20. ‡Monahan, T. and T. Wall. 2007. "Somatic Surveillance: Corporeal Control through Information Networks" *Surveillance and Society*. 4 (3/4).
21. ‡Scheufele, D.A.; E.A. Corley; S. Dunwoody; T-J Shih; E. Hillback; and D.H. Guston. 2007. "Nanotechnology Scientists Worry about Some Risks More than the General Public" *Nature Nanotechnology*. 2(12): 732-734.
22. ‡Selin, C. 2008 forthcoming. "Negotiating Plausibility: Intervening in the Future of Nanotechnology" to be published in *Science and Engineering Ethics*.
23. ‡Shapira, P. and J. Wang. "From Lab to market: Strategies and issues in the commercialization of nanotechnology in China." in preparation for the *Journal of Asian Business Management*.
24. ‡Tahan, C.; R. Leung; G.M. Zenner; K.D. Ellison; W.C. Crone; and C.A. Miller. 2006. "Nanotechnology and Society: A Discussion-Based Undergraduate Course" *American Journal of Physics*. 74(5): 443-448.
25. ‡Tang, L. and P. Shapira. Visualizing the Invisible College in China: Evidence from Nanotechnology Publication Activities, 1990-2006. Working Paper, 2007. Under revision for journal submission to *Chinese Journal of Library Science*.
26. ‡Youtie, J.; M. Iacopetta; S. Graham. 2008. Assessing the nature of nanotechnology: can we uncover an emerging general purpose technology? *J. Technology Transfer* (2008) 33:315-329.
27. ‡Youtie, J. and P. Shapira. 2008. Mapping the Nanotechnology Enterprise: A Multi-indicator Analysis of Emerging Nanodistricts in the US South, under revision for *J. Technology Transfer* (2008) 33:209-223.
28. ‡Youtie, J.; P. Shapira; and A. Porter. 2008, forthcoming. "National Nanotechnology Publications and Citations" *Journal of Nanoparticle Research*.

### **Trade Journal Publications**

29. ‡Nisbet, M. C. and D.A. Scheufele. 2007. "The future of public engagement" *The Scientist*. 21(10): 38-44.
30. ‡Scheufele, D.A. and E.A. Corley. 2008. "The science and ethics of good communication" *Next generation Pharmaceutical*. 4(1): 66.
31. ‡Scheufele, D. A. and D. Brossard. 2008. "Nanotechnology as a moral issue? Religion and science in the U.S." *AAAS Professional Ethics Report*. 21(1): 1-3.

### ***Other Journal Publications***

32. ‡Fisher, E. (2006). "Embedded Nanotechnology Policy Research." *Ogmios* 14: 3-4.
33. ‡Guston, D.H. 2006. "A Still Small Voice" (Review of the book *Nanotalk: Conversations with Scientists and Engineers about Ethics, Meaning, and Belief in the Development of Nanotechnology*). *Journal of Nanoparticle Research*. 8(1): 149-152.
34. ‡Guston, D. H. 2006. "Responsible Knowledge-based Innovation" *Society*. 43(4):19-21.
35. ‡Pirtle, Z. 2006. "Nanotechnology: Constructing a Proactive Science Policy towards Democracy" *The Triple Helix: The International Journal of Science, Society and Law*. 3(1): 48.
36. ‡Scheufele, D.A. 2007. "Nano does not have a marketing problem... yet" *Nano Today*. 2(5): 48.
37. ‡Scheufele, D. A. 2006. "Five lessons in nano outreach" *Materials Today*. 9: 64.
38. ‡Scheufele, D. A. 2006. "If we are to communicate successfully with the public, we need to learn how to frame the message for different audiences" *Materials Today*. 9(5): 64.
39. ‡Wetmore, J. 2006. Book Review. "Nanotalk: Conversations with Scientists and Engineers about Ethics, Meaning, and Belief in the Development of Nanotechnology" *Science and Engineering Ethics*. 12(3): 583.

### ***Book Chapters***

40. ‡Barben, D.; E. Fisher; C. Selin; and D. Guston. 2008. "Anticipatory Governance of Nanotechnology: Foresight, Engagement, and Integration." in *The Handbook of Science and Technology Studies, Third Edition*. Hackett, E.J.; O. Amsterdamska; M.E. Lynch; and J. Wajcman (eds.) Cambridge, MA: MIT Press.
41. ‡Bennett, I. 2008. "Developing Plausible Nano-Enabled Products" *Yearbook of Nanotechnology in Society, Volume 1*. Fisher, E.; C. Selin; J. Wetmore (eds.), D.H. Guston (series editor). New York: Springer.
42. ‡Fisher, E. and Mahajan, R.L. (Under Review) "Embedding the Humanities in Engineering: Art, Dialogue, and a Laboratory" in Gorman, M.E., & Evans, R. (Eds.) *Creating New Kinds of Collaboration: Trading Zones and Interactional Expertise*, Inside Technology Series. Cambridge, MA: MIT Press.
43. ‡Fisher, E. 2007. "The Convergence of Nanotechnology, Policy, and Ethics." in Zerkowitz, M. (ed.) *Advances in Computers 71: Nanotechnology*. Elsevier: 274-296
44. ‡Gallo, J. forthcoming. "Archival Research: Using Federal Resources." In *Research Methods from the Trenches*. Eszter Hargittai (ed). University of Michigan Press.
45. ‡Guston, D.H.; J. Parsi; and J. Tosi. 2007. "Anticipating the Political and Ethical Challenges of Human Nanotechnologies," in P. Lin and F. Allhoff, eds., *Nanoethics*. New York: Wiley.
46. Hogle, L.F. 2008 "Emerging Medical Technologies" in *The Handbook of Science, Technology and Society, Third Edition*. Hackett, E.J.; O. Amsterdamska; M.E. Lynch; and J. Wajcman (eds.) Cambridge, MA: MIT Press.
47. ‡Karinen, R. and D. H. Guston. Under review. "Toward Anticipatory Governance." in *Deliberating Future Technologies: Identity, Ethics, and Governance of Nanotechnology*. Kaiser, M.; S. Maasen; and C. Rehmann-Sutter (eds.)

48. Marchant, G. 2007. "Nanotechnology Regulation: The United States Approach" in *New Global Frontiers in Regulation: The Age of Nanotechnology*. Hodge, GA, DM Bowman and K Ludlow (eds.) Cheltenham: Edward Elgar.
49. ‡Miller, C.A. and S.K. Pfatteicher. 2007. "Nanotechnology in Society Education: Teaching the Mental Habits of Social Engineers and Critical Citizens," in Aldrin Sweeney, ed., *Nanoscale Science and Engineering Education: Issues, Trends, and Future Directions* (American Scientific Publishers).
50. ‡Robert, J.S. 2008. "Controversial science, controversial scientists, and prospects for progress in a pluralistic society." in F. Allhoff and P. Lin, eds., *Nanoethics: Emerging Debates*. New York: Springer.
51. ‡Scheufele, D.A. 2006. "Messages and heuristics: How audiences form attitudes about emerging technologies" in *Engaging science: Thoughts, deeds, analysis and action*. Turney, J. (ed) London: The Wellcome Trust: 20-25.
52. ‡Smits, R.; R. van Merkerk; D.H. Guston; and D. Sarewitz. Under review. "Strategic Intelligence: The Role of TA in Systemic Innovation Policy" in *The International Handbook of Innovation Policy*. Northampton, MA: Edward Elgar.
53. Wetmore, J and G.D. Johnson. 2007. "STS and Ethics: Implications for Engineering Ethics" in Hackett, E.; O. Amsterdamska; M. Lynch; and J. Wajcman (eds.) *New Handbook of Science and Technology Studies*. Cambridge, MA: MIT Press.
54. Wolbring, G. 2008. "The Unenhanced Underclass," in *Building Everyday Democracy*. Miller, P. and J. Wilsdon (eds). London: Demos.

### **Theses**

55. ‡Bhaskarabhatla, A. 2006. *Spatial Analysis of Nanotechnology Enterprises in the US: Structure and Location*. Masters Thesis. Public Policy, Georgia Tech. Atlanta, Georgia.
56. ‡Davis, R.W. 2007. *Nanotechnology in Society: Stakeholder Analysis and Nanotechnology Stakeholders*. Undergraduate Honors Thesis. The Barrett Honors College, Arizona State University. Tempe, Arizona.
57. ‡Finney, S. 2007. *Multinational Comparative Analysis of Nanotechnology Research: 1990 to 2005 Knowledge Flow Assessment*. Undergraduate Thesis. Public Policy and Economics. Georgia Tech. Atlanta, Georgia.
58. ‡Fisher, E. 2006. *Midstream modulation: integrating societal considerations into and during nanotechnology research and development: a case study in implementing U.S. federal legislation*. Doctoral Dissertation. Environmental Sciences, University of Colorado. Boulder, Colorado.
59. ‡Leung, R. *Doing Nanotechnology in 21 Century China*. Doctoral Dissertation. Sociology. Wisconsin Sociology.
60. ‡Lidberg, S. 2008. *Examining Potential Futures: A Designer's Toolbox for Identifying Potential Social and Cultural Implications*. Masters Thesis. School of Design, Arizona State University. Tempe, Arizona.
61. Maricle, G. 2008. *Shaping Science: How to Turn Science Studies into Science Action*. Doctoral Dissertation. Environmental Studies, University of Colorado. Boulder, Colorado.
62. ‡Milford, R. 2008. *A Dialog on Nanotechnology and Religion: New Methods in Public Engagement*. Undergraduate Honors Thesis, Barrett Honors College, Arizona State University. Tempe, Arizona

63. ‡Panjwani, A. 2007. *The psychological impact of mass surveillance on society: a quantitative approach*. Masters Thesis. Department of Mathematics, Arizona State University. Tempe, Arizona.
64. ‡Silverman, A. 2007. *Healing the Blind? Perspectives of Blind Persons on Methods to Restore Sight*. Undergraduate Honors Thesis. The Barrett Honors College, Arizona State University. Tempe, Arizona.
65. Spadola, Q. 2008. *Novel Approaches to DNA Sequencing*. Doctoral Dissertation. Department of Physics, Arizona State University. Tempe, Arizona.
66. ‡Pirtle, Z. 2007. *Democratizing nanotechnology: Intersecting the philosophy of science with science policy*. Undergraduate Honors Thesis. The Barrett Honors College. Arizona State University. Tempe, Arizona.
67. van Merkerk, R. 2008. *Intervening in emerging nanotechnologies: a CTA of Lab-on –a-chip technology*. Doctoral Dissertation. Innovation & Environmental Sciences. University of Twente. Netherlands.
68. ‡Wang, J. 2007. *Resource Spillover from University to High Tech Industry: Evidence from New Nanotechnology Based Firms in the US*. Doctoral Dissertation. Public Policy. Georgia Tech. Atlanta, Georgia.

### ***Reports and Working Papers***

69. ‡Mans, M. and C. Selin. “Institutionalizing Innovation: Instances of Changes in the Danish System of Innovation.”
70. ‡Maricle, G. “Fulfilling Its Promise? The Role of Nano and Society Scholarship in Nano Research Priorities in the US and the UK.”
71. ‡Miller, C. 2006. *Boundary Organizations: Strategies for Linking Knowledge to Action*. available at: <http://cns.asu.edu/cns-library/documents/BoundaryOrgWorkshopReport.pdf>
72. ‡Miller, C.A. 2006. *Nanotechnology in Society: A New Model of Anticipatory Governance*, Workshop on Societal Aspects of Nanotechnology 9 November 2005, Barcelona. Workshop Report No. 8 (ECETOC: Brussels).
73. ‡Miller, C.A.; D. Guston; D. Barben; J. Wetmore; C. Selin; and E. Fisher. “Nanotechnology and Society: Ideas for Education and Public Engagement”.
74. ‡Porter, A.; J. Youtie; and P. Shapira. 2006. Briefing paper: “Refining Search Terms for Nanotechnology.” available at: <http://cns.asu.edu/cns-library/author.htm#S>
75. ‡Shapira, P.; J. Youtie; A. Bhaskarabhatla; E. Lamos; U. Malani; J. Slanina; A. Stephens; and L. Tang. 2006. “Connecting the Dots: Creating a Southern Nanotechnology Network,” Southern Growth Policies Board and the Georgia Tech Program in Science, Technology and Innovation Policy. Southern Growth Policies Board, Research Triangle Park, NC.
76. ‡Selin, C. 2008. “The Future of Medical Diagnostics” *CNS-ASU Working Paper*. May 2008.
77. ‡Tang, L. and P. Shapira. “Networks of Research Collaboration in China: Evidence from the Emerging Domain of Nanotechnology.” Working Paper, 2007. Under revision for journal submission.
78. ‡Valdivia, W. and D. Guston. 2006. *Public Value Mapping*. Workshop Report. available at: <http://cns.asu.edu/cns-library/documents/PVMfinal.pdf>

### ***Internet Dissemination***

Website: <http://cns.asu.edu>

Nanofutures: <http://cns.asu.edu/nanofutures/>

Nano-Governance Wiki (under construction): <http://cns.asu.edu/nanogovernance/wiki>

NCTF: <http://cns.asu.edu/nctf/index.htm>

Website, Georgia Institute of Technology: <http://www.cherry.gatech.edu/online>

Website, University of Colorado: [http://sciencepolicy.colorado.edu/about\\_us/index.html](http://sciencepolicy.colorado.edu/about_us/index.html)

Website: <http://studiesinthetranshuman.blogspot.com/>

D.H. Guston NLCT podcast: <http://www.nanohub.org/resources/3270/>

Website, University of Wisconsin, Holtz Center: <http://www.sts.wisc.edu/index.html>

### ***Presentations***

Allenby, B. (2006, August). Chaired and contributed to a session entitled ‘Schumpeter’s Next Wave: Convergence of Nanotechnology, Biotechnology, Information Science, and Cognitive Science.’ Gordon Research Conference on Science and Technology Policy Big Sky, MT.

Barben, D. and F. Laird. (2006, June). “Acceptance Politics of Contested Technologies: A Comparison between Nuclear Power, Biotechnology, and Nanotechnology.” Annual Meeting of the Science and Democracy Network. Kennedy School of Government.

Barben, D. (2006, August). “Visions of Nanotechnology in a Divided World: The Acceptance Politics of a Future Key Technology.” Panel Series on Social Studies of Nanotechnology at the Conference of the European Association for the Study of Science Technology (EASST). University of Lausanne, Switzerland.

Bennett, I. (2007). “What if I don’t want my advisor’s job: Careers outside (gasp) the academic laboratory” Association of Women in Science Central Arizona Chapter. Tempe, AZ.

Bennett, I. (2007). “Frozen in Time: A tour of Alcor Life Extension Foundation” Spirit of the Senses. Scottsdale, AZ.

Bennett, I. (2006). “Emerging Technologies” Spirit of the Senses, Phoenix, AZ.

Brossard, D.; E. Kim; and D.A. Scheufele. (2007, May). *The Politics of nanotech: Communication and opinion formation about scientific issues and policies.* Paper presented to the annual convention of the International Communication Association, San Francisco, CA.

Carlson, M.P. (2006, April). An Overview of a Project to Improve Mathematics and Science Education for a Technical Society: Cognitive Research Informs Curriculum Development and Instructional Support. Presented at the Materials Research Society Symposium on Education in Nanoscience and Engineering, San Francisco.

Carley, S. (2007, October). “Nano Research Profiling On Demand” on nanotechnology datamining techniques and applications. Poster presentation at Atlanta Conference on Science, Technology, and Innovation Policy.

Cobb, M and P. Hamlett. (2008, June). “The first national citizens’ technology forum on converging technologies and human enhancement: Adapting the Danish consensus conference in the USA” Paper prepared for presentation at the Tenth International Conference on Public Communication of Science and Technology (PCST-10). Denmark and Sweden.

- Conz, D. (2007) "Reflexivity Assessment of STS Engagement of Nanotechnology" Annual Meeting of the Society for Social Studies of Science. Canada, Montreal.
- Corley, E.A. (2008, April). Scientists and the Public: Comparing Views on nanotechnology Risks and Regulations. CSPO Enlightening Lunch, Arizona State University, Tempe, Arizona.
- Corley, E.A. and D.A. Scheufele. (2008, February). A Comparative Look at Markets, Media, and Emerging Attitudes about Nanotechnology. American Association for the Advancement of Science (AAAS) Annual Meeting, Boston, Massachusetts.
- Corley, E.A.; D.A. Scheufele; S. Dunwoody; E. Hillback; T-J Shih; and D.H. Guston. (2007, October). Nanotechnology Attitudes among Scientists and the Public. Annual Meeting, Society for Social Studies of Science. Montreal, Quebec, Canada.
- Corley, E.A. and D.A. Scheufele. (2006, November). 'Factors impacting public support of federal funding for nanotechnology.' To be presented at the 28th Annual Association for Public Policy Analysis and Management Research Conference, Madison, Wisconsin.
- Fichtner, A. (2007). "Preliminary Results: The Workforce Needs of Companies Using Nanotechnology in Arizona." Nanotechnology 2007 Conference. San Jose, California.
- Fisher, E. (2008, April). "Embedded humanists." *Engineering in Context*. Colorado School of Mines, Golden, CO.
- Fisher, E. (2008, March). "Midstream Modulation and the Politics of Engagement." STS in Action. Claremont, California.
- Fisher, E. (2007). Integrating Science and Society in the Laboratory. Presentation for the Center of Integrated Nanotechnologies.
- Fisher, E. (2007). NNI Meetings & Symposia. Nanotechnology and Society: the Organization and Policy of Innovation.
- Fisher, E. (2007). Social and Policy Issues in Nanotechnology. Presentation for the Center of Integrated Nanotechnologies.
- Fisher, E. (2007, December). "Inventing the Socially Conscious Laboratory." Consortium for Science, Policy & Outcomes.
- Fisher, E. (2007, August). "'Broader Impacts' and the Embedded Humanist." Making Sense of the "Broader Impacts" of Science and Technology.
- Fisher, E. (2007, September). "Integrating Social Considerations into Nanotechnology Research." 1st Rocky Mountain Nanotechnology Showcase. Denver, Colorado.
- Fisher, E. (2007, July). "Integrating Societal Considerations and Nanotechnology in the Four Corners Region." Colorado Nanotechnology Alliance. Denver, Colorado.
- Fisher, E. (2007, June). "Drilling Down on US Ethics Policy for Nanotechnology." Center for Interdisciplinary Research (ZiF), Bielefeld University, Bielefeld, Germany.
- Fisher, E. (2007, June). "Integrating Science and Society in the Laboratory." Center for Integrated Nanotechnologies, Los Alamos National Laboratory. Los Alamos, New Mexico.
- Fisher, E. (2007, June). "Socio-technical Integration and the Nanotechnology Laboratory." Visions about Nanoscience and Technology Workshop. Leuven, Belgium.

- Fisher, E. (2007, June). "Investigating the Implementation of US Ethics Policy for Nanotechnology." Institute for Technology Assessment and Systems Analysis, Forschungszentrum Karlsruhe in der Helmholtz-Gemeinschaft. Karlsruhe, Germany.
- Fisher, E. (2007, June). "Engaging the Reflexive Capacity of Nanotechnology Researchers." Nanotechnology, Ethics & Sustainability; NANOMAT Conference. Bergen, Norway.
- Fisher, E. (2007, June). "Socio-technical Integration at Macro and Micro Levels." Rathenau Institute, Den Haag, The Netherlands.
- Fisher, E. (2007, January). "Social and Policy Issues in Nanotechnology." 5th CINT Users Workshop, Center for Integrated Nanotechnologies. Albuquerque, New Mexico.
- Fisher, E. (2006, November). 'Reflecting on the Shape of Nanotechnology Research from Within.' 4S Conference (Society for Social Studies of Science). Vancouver.
- Fisher, E. (2006, August). Poster presentation: 'From Upstream Engagement to Midstream Modulation: Shaping Technology from Within.' 4th Gordon Research Conference on Science and Technology Policy. Big Sky, MT
- Fisher, E. (2006, November). "Current Societal Considerations in Nanotechnology." Center for Integrated Nanotechnologies, Los Alamos National Laboratory. Los Alamos, New Mexico.
- Fisher, E. (2006, July). "Midstream Modulation: US Federal Nanotechnology Policy Implementation." TA NanoNed Day. Utrecht University, Netherlands.
- Fisher, E. (2006, May). "Midstream Modulation of Technological Trajectories." Trading Zones and Interactional Expertise Workshop. Arizona State University, Tempe.
- Fisher, E. (2006, September). 'Socratic Engagement of Nanotechnology: A Case Study in Ethics Policy.' University of North Texas, Department of Philosophy and Religion Studies.
- Fisher, E. and R. Mahajan. (2006 November). 'Midstream Modulation.' International Mechanical Engineering Conference. Chicago.
- Gallo, J. (2007, October). "The National Science Foundation and the Creation of a Standing Army for Science" Society for the History of Technology. Washington, DC.
- Gallo, J. (2007, April). "The National Science Foundation and the Control of Information." Department of Life Sciences Communication colloquium series. University of Wisconsin.
- Guston, D.H. (2007, November). Towards anticipatory governance of emerging technologies" Special Series on Science and Public Policy. Brown University.
- Guston, D.H. (2008, April). "Governing Emerging Technologies". Arizona Institute of Nano-electronics opening ceremonies.
- Guston, D.H. (2007, November). "Governing Emerging Technologies" Spirit of the senses salon. Phoenix.
- Guston, D.H. (2006). The Center for Nanotechnology in Society at ASU. AAAS Annual Meeting 2006, Nanotechnology Seminar: Social Science Engages Nanotechnology, St. Louis, MO.
- Guston, D.H. (2006). CNS-ASU: Interdisciplinary Programs in a Self-Styled Boundary Organization. Conference of Trading Zones, Interactional Expertise, and Interdisciplinary Collaboration, Arizona State University, Tempe AZ.

- Guston, D.H. (2006). *Societal Implications of Nanotechnology*. Discovery Lecture Series 2006. Transforming Society Through Emerging Technologies: The National Nanotechnology Initiative at Five Years, Purdue University, West Lafayette, IN.
- Guston, D.H. (2006, December). "Anticipatory Governance of Emerging Technologies," monthly meeting of the Arizona Nanotechnology Cluster.
- Guston, D.H. (2006, October). "Anticipatory Governance of Emerging Technologies: The Center for Nanotechnology in Society at ASU" Stanford University Seminar in Science, Technology and Society.
- Guston, D.H. (2006, August). "Anticipatory Governance of Emerging Technologies" Gordon Research Conference on Science and Technology Policy. Big Sky, MT.
- Hamlett, P. (2008, March). "Public deliberations about science and technology: Should the public have a say on the future of nanotechnology?" NSF Science and Technology Center Program, Center for Environmentally Responsible Solvents and Processes Innovation Seminar Series. NC State University.
- Hamlett, P. and M. Cobb. (2008, August). "Reporting the results of the first National Citizens' Technology Forum" Paper presentation for the Gordon Research Conference: Governing Emerging Technologies. MT: Big Sky.
- Hamlett, P. and M. Cobb. (2008, July). "The first National Citizens' Technology Forum on Human Enhancement : results and prospects". Paper presentation at VIPSI-2008 (Information Processing Society, International), Conference: "Knowledge Engineering, Tutorials, & Brainstorming". Italy: Pisa.
- Hamlett, P. and M. Cobb. (2008, May). "The first national Citizens' Technology Forum on Nanotechnology—first results" Univeristy & Industry Consortium, Spring 2008 Meeting. Lansing, MI.
- Hogle, L.F. (2007). "Sentinel Beings: the biopolitics of human biosensors" Submitted to BioSocieties (invited paper, theme issue on Biopower, Biotechnology and Globalization; M. Cooper and C. Waldby, guest editors).
- Hogle, L.F. (2007, March). 'Stem cells as a study in transience: a future history.' Paper presented to the Max Planck Institute for the History of Science, on convergence of nanotechnologies with regenerative medicine and systems biology. Berlin.
- Kay, L. (2008, January). "Nanotechnology in Latin America" paper presentation at the conference DRUID-DIME Academy Winter 2008 PhD Conference on Economics and Management of Innovation and Organizational Change, held in Rebild, Denmark.
- Libaers, D. (2006, September). 'The Role & Contribution of foreign-born scientists & engineers to the US Nano Science & Technology research enterprise, 2006 Technology Transfer Society Conference, Atlanta.
- Laurent, B. & Fisher, E. (2007). "The Integration of Public Input into the American Nanotechnology Federal Program: Meanings and Contradictions." Third Living Knowledge conference. Ecoles des Mines, Paris, August 30-September 1.
- Maricle, G. (2008, January). "Shaping Science: How to Turn Science Studies into Science Action." Dissertation Defense. Colorado, Boulder.
- Maricle, G. (2008, January). "The State of Policy and Socio-Economic Research." American Meteorological Society Annual Meeting. New Orleans, LA.
- Maricle, G. (2007, December). "Shaping Science: Turing Science Studies into Science Action." Center for Science and Technology Policy Research Noontime Seminar Series. Colorado, Boulder.

Maricle, G. (2007, October). "Wrestling with Engagement: Tools for Iterating Intervention in STS". Society for the Social Studies of Science Annual Meeting. Canada, Montreal.

Marchant, G. (2006, July). 'Nanotechnology Regulation: The United States Approach' at Monash University's Conference on New Global Regulatory Frontiers: Evaluating what will work for Nanotechnology in Melbourne, Australia.

Miller, C. and I. Bennett. (2007, April). 'Science Fiction as Technology Assessment: Some Preliminary Thoughts on Anticipatory Governance for the Rest of Us.' Cornell University.

Miller, C. (2007, April). 'Commentary: The Law and the Future Brain.' US District Court and Sandra Day O'Connor College of Law, Arizona State University.

Miller, C. (2006, November). 'Informing Anticipatory Governance of New and Emerging Technologies through Nanotechnology in Society Research.' Nanotechnology Informal Science Education Network.

Miller, C. (2006, October). 'Reflexive, Anticipatory Governance of Science and Technology.' National Association of Schools of Public Administration and Affairs.

Miller, C. (2006, June). 'Think Differently! Strategies for Success in Nano.' Food Research Institute, University of Wisconsin-Madison.

Miller, C. (2006, April). 'Nanotechnology in Society Education: Teaching the Mental Habits of Social Engineers and Critical Citizens.' Materials Research Society.

Miller, C. (2006, March). 'Nanotechnology in Society.' Ohio State University.

Miller, C. (2006, December). "Boundary Organizations: Strategies for Linking Knowledge to Action." Workshop on Boundary Organizations, Tempe, AZ .

Newman, N. (2006, November). "Nanotechnology research mapping and assessment," STI Indicators Conference, Lueven, Belgium.

Newman, N. (2006, June). "Advancing Measures of Innovation: Knowledge Flows, Business Metrics, and Measurement Strategies." Workshop on Research and innovation system assessment: a nanotechnology case study. National Science Foundation, Arlington, VA.

Pielke, Jr., R. (2006, August). Discussant: 'Uncertainty in Science, Uncertainty in Politics.' Gordon Research Conference on Science and Technology Policy Big Sky, Montana.

Pirtle, Z. (2007). Democratizing Nanotechnology: Intersecting the Philosophy of Science and Science Policy. Barrett Honors College Thesis.

Porter, A.L. (2007, November) Keynote presentation. Conference on Competitive Intelligence, Madrid

Porter, A.L. (2007, October). Public Lecture. Institute for S&T Information in China. Beijing.

Porter, A.L. (2007, March). "Where is Nano Going? R&D Profiling with a Focus on Nanophotonics." Nano Giga Conference. Phoenix, Arizona.

Porter, A.L. (2006, November). "Mining Patents + Research Publications to Improve Technology Management: Nano Illustrations," 2<sup>nd</sup> PATINEX Conference, Seoul.

Porter, A.L.; P. Shapira; and J. Youtie. (2006, September). "Defining the Nanotechnology Domain in a Real Time Technology Assessment," Technology Transfer Society Annual Conference, Atlanta, Georgia.

- Porter, A.L.; D. Schoeneck; N. Newman; P. Shapira; J. Youtie; and R. Kolar. (2006, September). 'Nano R&D Profiles: A Deeper Look.' Presented at 2006 S&T Indicators Conference. Leuven, Belgium.
- Porter, A.L.; D. Schoeneck; P. Shapira; J. Youtie; and R. Kolar. (2006, September). 'Defining the Nanotechnology Domain in Realtime Technology Assessment.' Presented at 2006 Technology Transfer Society Conference, Atlanta, Georgia.
- Porter, A.L.; J. Youtie; P. Shapira. (2006, August). Refining Search Terms for Nanotechnology. Prepared for Presentation at the National Science Foundation.
- Robert, J.S. (2007, April). 'Problematizing "Enhancement"'. Dartmouth College
- Robert, J.S. (2007, February). 'Braving the World of Neurotechnology' Health Law Institute Seminar Series, Dalhousie University
- Robert, J.S. (2006, November). 'Brain Repair and Neural Enhancement.' 4S Conference (Society for Social Studies of Science). Vancouver. (Session organized by Linda Hogle.)
- Robert, J.S. (2006, October). 'Nanotechnology, Neurotechnology, and Society.' *International Institute of Nanotechnology Symposium*, Northwestern University, Evanston, Illinois.
- Robert, J.S. (2006, October). "Forbidden Science – Boundaries on New Emerging Science and Technology" Presented at Jewish Women's Symposium, Tempe Arizona.
- Robert, J.S. (2006, August). "Controversial Science, Controversial Scientists?" NABIS Conference, Chicago.
- Sarewitz, D. (2006, August). Discussant: 'Policy Perspectives' at the panel, 'Meta-Analysis: Emerging Themes in Science Policy.' Gordon Research Conference on Science and Technology Policy Big Sky, Montana.
- Scheufele, D. A. (2008, February). 90-minute panel: A comparative look at markets, media, and emerging attitudes about nanotechnology. Organized for the annual convention of the American Association for the Advancement of Science, Boston, Massachusetts. (with E. Corley as speaker)
- Scheufele, D. A. (2008, February). Engaging religious audiences on nanotechnology. Presented to the annual convention of the American Association for the Advancement of Science. Boston, Massachusetts.
- Scheufele, D.A. (2007, May). 'Public perceptions and understanding of nanotechnology' at the Center for Nanoscale Science and Technology (CNST) Nanotechnology Workshop. University of Illinois at Urbana-Champaign. <http://www.cnst.uiuc.edu/NanoWorkshop2007.htm>.
- Scheufele, D.A.. (2007). Understanding the opinion and communication dynamics surrounding nanotechnology at the Symposium on the "Social Studies of Nanotechnology", University of Pennsylvania, Wharton School of Business & Chemical Heritage Foundation
- Scheufele, D.A. (2007). Panelist at symposium on "Risky Business? Risk Perception & Nano Business," Illinois Institute of Technology, Center on Nanotechnology and Society, Chicago, Illinois.
- Scheufele, D.A. (2007). 'Public perceptions and understandings of nanotechnology.' Keynote presentation at the "Nano and Giga Challenges in Electronics and Photonics" conference, Tempe, Arizona.
- Scheufele, D.A. (2007). 'How media and audiences make sense of scientific issues: The case of nanotechnology.' Talk at the "CMCIS Research Lecture Series, University of South Carolina."
- Scheufele, D.A. (2006). 'Public communication and policy making about nanotechnology.' Talk at the "Baldwin Nano Workshop for Policy Makers, Materials Research Science and Engineering Center and Engineering Center on Nanostructured Interfaces, University of Wisconsin. Madison, Wisconsin.

Scheufele, D.A. (2006). 'Influences on public opinion about nanotechnology.' Talk at the "Public Participation in Nanotechnology & Nanoscale Science" workshop, National Nanotechnology Coordination Office, Washington, D.C.

Scheufele, D.A. (2006). 'Successful public communication about nanotechnology.' Talk at the "Integration of Societal Implications into Science" workshop, U.S. Department of Energy, Washington, D.C.

Scheufele, D.A. (2006). 'It's not all about information: Exploring people's attitudes toward new technologies.' Lecture at the Science, Democracy, and Public Policy colloquium, La Follette School of Public Affairs, University of Wisconsin, Madison.

Scheufele, D.A. (2006). 'Successful public communication about nanotechnology.' Talk at the Baldwin Nano Workshop for Journalists, Materials Research Science and Engineering Center and Engineering Center on Nanostructured Interfaces, University of Wisconsin, Madison.

Scheufele, D. A., Brossard, D., & Dalrymple, K. (2007, November). Whose voice matters most? Public opinion about the role of scientists, religious groups, officials, and citizens in public discourse about science. Presented to the annual convention of the Midwest Association for Public Opinion Research, Chicago, IL.

Scheufele, D. A., Corley, E. A., Hillback, E., Shih, T., Dunwoody, S., & Guston, D. (2007, October). Nano attitudes among scientists and the public. Presented to the annual convention of the Society for Social Studies of Science.

Scheufele, D.A. and E. Kim. (2006, May). 'Public opinion, religiosity, and nanotech: Examining processes of opinion formation on emerging technologies.' Paper presented to the annual convention of the World Association for Public Opinion Research, Montréal, Québec.

Selin, C. (2008, May). Chaired panel at the Managing the Uncertainty of Nanotechnologies. Challenges to Law, Ethics, and Policy Making conference at University of Padua.

Selin, C. (2008, February). Evidencing the Future and other Dilemmas Working in the Future Tense. Presented at the Anthropology Department, Rice University, Houston, Texas.

Selin, C. (2007, October). Between Hope and Prudence: Experiments in Scenaric Learning. Society for the Social Studies of Science, Annual Meeting, Montreal, Canada.

Selin, C. (2007, October). 'The Future Tense: The Ways and Means of Anticipation.' CSPO Enlightening Lunch, Tempe.

Selin, C. (2007, September). Chaired panel at CRN conference on Challenges & Opportunities: The Future of Nano & Bio Technologies.

Selin, C. (2007, July). Real Time Technology Assessment: Anticipation, Integration, & Engagement. Presented at The Program on Technology Scenarios, Risoe, National Laboratory, Roskilde, Denmark.

Selin, C. (2006, September). 'The Center for Nanotechnology in Society.' NanoTX Conference, Dallas.

Shanley, L. A. (2006, June). Privacy and Security: Internet Publication of Digital Spatial Data and Land Records in Wisconsin. Presentation at WLIA Regional Meeting on Privacy, Copyright, Data Distribution and GIS Law. Elkhart Lake, Wisconsin.

Shanley, L. A. (2006). Control and Access: GIS Legal Issues for Indian Nations in the United States. In Proceedings from *URISA2006 Annual Conference*. Chicago, IL: URISA.

Shanley, L. A. and S.J. Ventura. (2007). Land Records and Map Services: Internet

Privacy Policies in Wisconsin. Accepted for *URISA 2007 Annual Conference*. Chicago, IL: URISA.

Shapira, P. (2007, June) "Nanotechnology in Society: Research and Innovation Systems Program Assessment," invited presentation, Beijing Institute of Economic Management, Chinese Academy of Science, Beijing, China, June 19, 2007; and at Institute of Policy and Management, Chinese Academy of Sciences, June 20, 2007.

Shapira, P. (2007, February). "Societal Assessment of Nanotechnology – US Experience" Symposium on Nanotechnology organized by the Ministry of Research, Science and Technology at the Advanced Materials and Nanotechnology (AMN-3) 2007 Conference, Wellington, New Zealand.

Shapira, P. and J. Youtie. (2008, May). "What's new about emerging metropolitan nanodistricts in the United States and Europe? Characteristics of research and commercialization" presentation abstract accepted by the NBER Conference on Emerging Industries: Nanotechnology and NanoIndicators, Cambridge, MA.

Shapira, P. and J. Wang. (2008, April). "From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China." Panel on Cultures Meet Technology: New Approaches to Innovation and Economic Development in Asia and the West, Association for Asian Studies, 2008 Annual Meeting, Atlanta.

Shapira, P.; A. Porter ; and J. Youtie. (2006, August). "Refining Search Terms for Nanotechnology." Presented at the National Science Foundation.

Shapira, P. and D. Guston. (2007, March). "Societal Assessment of Nanotechnology – US Experience," Invited presentation at the Ministry of Research, Science and Technology, Wellington, New Zealand.

Suchman, M.C. (2007). 'The Implications of Nanotechnology for Social Science and Social Policy,' presented to the Cornell CNF Public Interest Talk Series in Ithaca, NY.

Suchman, M.C. (2007). "Sharing is (S)caring on the Digital Frontier: The Challenges of Information Technology Governance in Health Care Organizations," presented to the Cornell Center for the Study of Economy and Society, 2006-2007 Seminar Series on Institutions, Market Processes, and the Firm, in Ithaca, NY; and to the Brown University Department of Sociology Colloquium in Providence, RI.

Suchman, M.C. (2007). "HIT or Miss? The Governance Challenges of Health Information Technology," presented to the Cornell Law School Faculty Workshop in Ithaca, NY; and to the Duke Law School Faculty Workshop in Durham, NC.

Suchman, M.C. (2006). "Taming the Market for Medical Information: 'Sharing is (S)caring' on the Digital Frontier," presented to the University of California-Irvine Critical Legalities Symposium in Irvine, CA.

van Merkerk, R.; D. Guston; and R. Smits. (2006, November). 'An International Comparison of Recent Technology Assessment. Approaches: Bypassing Collingridge.' 4S Conference (Society for Social Studies of Science). Vancouver, British Columbia.

Tang, L. (2008, February). Invited participation and presentation on "Nanotechnology Knowledge Networks in China," at the PRIME Nanotechnology Winter School. Grenoble, France.

Tang, L. (2007, October). *Networks of Research Collaboration in China: Evidence from nanotechnology publication activities, 1990-2006*. presentation at Atlanta Science and Technology Policy Conference.

Tang, L. (2007, October). "New Argonauts & Scientific Networks: Evidence from China's Nanotech Publication," Atlanta Science and Technology Policy Conference. Atlanta, Georgia.

Wang, J. (2008, January). "From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China. Presentation at the National Academy of Sciences, Student Forum on Science and Technology Policy, Washington, DC.

Wang, J. (2007, October). "Nanotechnology in China: Research, Development, and Commercialization, Atlanta Science and Technology Policy Conference. Atlanta, Georgia.

Wang, J. (2007, September). "From lab to market: Strategies and issues in the commercialization of nanotechnology in China." Poster presentation at National Science Foundation, Science and Technology in the New Global Economy: Policy Workshop, Washington, DC.

Wang, J. (2007, September). "From lab to market: Strategies and issues in the commercialization of nanotechnology in China." National Academy of Science, Conference on the Dragon and the Elephant: Understand the Development of Innovation Capacity in China and India, Washington, DC.

Wang, J. (2006, September). "Resource Spillover from Academia to High Tech Industry: Evidence from nanotech start-up enterprises" 2006 Technology Transfer Society Conference, Atlanta.

Wetmore, J. (2006, August). 'Religious Forays into Nanotechnology Policy.' Poster presentation. Gordon Research Conference on Science & Technology Policy in Big Sky, Montana.

Wetmore, J. (2007, February). "Nanotech and Religion: Ambitions, Influence, and Policy" Invited presentation to CNS-UCSB.

Wetmore, J. (2007, March). "STS in the Trenches: Engaging Scientists and Engineers" STS Engaged Workshop, University of Virginia Department of Science, Technology and Society.

Wetmore, J. (2007, June). "Teaching the Ethics and Social Implications of Emerging Technologies to Graduate Level Students" with Joan McGregor, American Society for Engineering Education Annual Conference, Honolulu.

Wetmore, J. (2007, September). "Bureaucrats, Lobbyists, and Regulators, Oh My! Introducing Graduate Students to Science Outside the Lab," with Ira Bennett to CSPO's Enlightening Lunch. Tempe, Arizona.

Wetmore, J. (2008, April). MBB 490: Capstone: Issues in Biotechnology, on Ethics in Biotechnology.

Wetmore, J. (2007, November). ASB 591: Seminar on Professionalism, on the Academic job search.

Wetmore, J. (2008, April). "What do you Think About a Technology You Can't Even See?" CNS-ASU Science Café, Arizona Science Center. Phoenix, Arizona.

Wetmore, J. (2007, December). "Amish Technology" Spirit of the Senses Salon. Phoenix, Arizona.

Wetmore, J. (2007, October). "Less is More' Technology: Is Smaller and Cheaper Always Better?" presentation with Deirdre Meldrum, CNS-ASU Science Café, Arizona Science Center. Phoenix, Arizona.

Wetmore, J. and B. Jacobs. (2007, March). "Transferring Western Technology to Developing Countries: Good Intentions, Unexpected Outcomes" Science Café, Phoenix, Arizona.

Wolbring, G. (2006, August). Presentation on governance of nano-bio-info-cogno-synbio. NABIS Conference. Chicago.

Wolbring, G. (2005, December). The Triangle of Enhancement Medicine, Disabled People, and the Concept of Health: A New Challenge for HTA, Health Research, and Health Policy. Health Technology Assessment (HTA) Initiative #23. Edmonton, Alberta: Alberta Heritage Foundation for Medical Research.

Wetmore, J. (2007, August). "Cat's Cradle, by Kurt Vonnegut" Spirit of the Senses Salon, Scottsdale, AZ.

Youtie, J. (2007, October). "Nanodistricts in the United States: Metropolitan Trajectories and Clustering" presented at the Atlanta Conference on Science, Technology, and Innovation Policy.

Youtie, J. (2007, March). "Nanotechnology Research Program Assessment" Presentation to the National Science Foundation Societal Implications of Nanotechnology: 2007 Principal Investigator's Meeting, Arlington Virginia.

Youtie, J. (2006, October). "Nano research enterprise assessment" Workshop on Next Generation Metrics, SRI, Arlington, Virginia.

Youtie, J.; M. Iacopetta; and S. Graham. (2006, September). "Long Views of Nanotechnology: Is it a General Purpose Technology?" Technology Transfer Society Annual Conference, Atlanta.