**Erik Fisher**

*Curriculum Vitae*

School for the Future of Innovation in Society

Consortium for Science, Policy and Outcomes

Arizona State University

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**Education**

**University of Colorado, Boulder**

Ph.D., Environmental Studies: Public Policy, 2006.

Graduate Certificate in Science and Technology Policy, 2005.

M.A., Classics: Greek Philology, 1995.

**University of Pennsylvania, Philadelphia**

Post-baccalaureate Fellow, Classics, 1993.

**St. John’s College, Annapolis**

B.A. Liberal Arts: Philosophy and Mathematics, 1992

**Academic Appointments**

**Research Appointments**

1. Associate Professor, School for the Future of Innovation in Society, Arizona State University, since Fall 2015.
2. Associate Professor, Consortium for Science, Policy & Outcomes, Arizona State University, since Fall 2015.
3. Assistant Professor, School of Politics and Global Studies, Arizona State University, 2009-2015.
4. Assistant Professor, Consortium for Science, Policy and Outcomes, Arizona State University, 2009-2015.
5. Research Thrust Co-Leader,Reflexivity and Integration, Center for Nanotechnology in Society at Arizona State University, 2008-2016.
6. Assistant Research Professor, Consortium for Science, Policy and Outcomes, Arizona State University, 2007-2009.
7. Assistant Research Professor, Center for Single Molecule Biophysics, Biodesign Institute, Arizona State University, 2007-2009.

###### Post-doctoral Research Associate, Center for Nanotechnology in Society at Arizona State University, 2006-2007.

###### Professional Research Assistant, Center for Science and Technology Policy Research, University of Colorado at Boulder, 2005-2006.

1. Graduate Research Assistant, Department of Mechanical Engineering, College of Engineering and Applied Science, University of Colorado at Boulder, 2003-2005.

###### Administrative Appointments

###### Director, Center for Responsible Innovation. School for the Future of Innovation in Society. Arizona State University, since 2018.

###### Director, STIR Program. School for the Future of Innovation in Society. Arizona State University, since 2009.

###### Faculty Chair, PhD Program in Human and Social Dimensions of Science and Technology. School for the Future of Innovation in Society. Arizona State University, 2016-2018.

###### Associate Director for Integration, Center for Nanotechnology in Society at Arizona State University, 2012-2016.

###### Assistant Director for International Activities, Center for Nanotechnology in Society at Arizona State University, 2009-2012.

###### Humanities Advisor, College of Engineering and Applied Science, University of Colorado at Boulder, 1999-2003.

###### Founding Director, Online Writing Lab, College of Engineering and Applied Science, University of Colorado at Boulder, 1999-2003.

###### Editorial Appointments

###### Editor-in-Chief, *Journal of Responsible Innovation,* since2016.

###### Founding Associate Editor, *Journal of Responsible Innovation,* 2013-2016.

###### Guest Editor, *Science and Engineering Ethics.* 2011.

###### Visiting Appointments and Affiliations

1. Artist in Residence, Institute for Technology Assessment and Systems Analysis, Karlsruhe Institute of Technology; September 2018-July 2019.
2. Visiting Professor, Science Education and Communication, Technical University of Delft; Spring 2019.
3. Visiting Professor, Institute for Technology Assessment and Systems Analysis, Karlsruhe Institute of Technology; September-December, 2018.
4. Visiting Professor, Department of Philosophy and Religious Studies, Norwegian University of Science and Technology; May-August, 2018.
5. Visiting Professor, Department of Philosophy and Religious Studies, Norwegian University of Science and Technology; June-July, 2016.
6. Visiting Professor, Science, Technology and Policy Studies Department, University of Twente; May-August, 2015.
7. Honorary Associate Fellow, Manchester Institute of Innovation Research, University of Manchester, 2014-2015.
8. Faculty Affiliate, Center for Science and Technology Policy Research, University of Colorado at Boulder, since 2009.
9. Research Affiliate, Center for Science and Technology Policy Research, University of Colorado at Boulder, 2006-2009.

# Research Participant, “Science in the Context of Application,” Center for Interdisciplinary Research, Bielefeld University, Germany; June, 2007.

###### Teaching Appointments

1. Instructor, Farrand Humanities Program, University of Colorado at Boulder, 1998-2006.
2. Instructor, Lockheed Martin Engineering Management Program, University of Colorado at Boulder, 1998-2003.
3. Lecturer, Herbst Humanities Program, College of Engineering and Applied Science, University of Colorado at Boulder, 1995-1998.

#### Scholarship

#### *(Notes: underline denotes student co-author, dagger (†) denotes natural science or engineering co-author.)*

#### Books and Special Issues

1. Stephanie J. Bird and **Erik Fisher** (Eds.)(2011). “Science and Technology Policy in the Making: Observation and Engagement.” *Science and Engineering Ethics* 17(4): 602-849.
2. **Erik Fisher**, Cynthia Selin and Jameson Wetmore (Eds.)(2008). *Presenting Futures. The Yearbook of Nanotechnology in Society, Vol. 1.* Springer Science and Business Media. 308 pp.

#### Refereed Journal Articles

1. Miklós Lukovics, Beáta Udvari, Nikoletta Nádas, and **Erik Fisher** (2019). “Raising Awareness of Researchers-in-the-Making Toward Responsible Research and Innovation.” *Journal of the Knowledge Economy* DOI: 10.1007/s13132-019-00624-1.
2. Alecia Radatz, Michael Reinsborough, **Erik Fisher**, Elizabeth Corley, and David H. Guston. (2019). “An assessment of engaged social science research in nanoscale science and engineering communities.” *Science and Public Policy* 46(6): 853–865.
3. John E. Thomas†, Daniel Eisenberg†, Thomas Seager†, and **Erik Fisher**. (2019). “A resilience engineering approach to integrating human and socio-technical system capacities and processes for national infrastructure resilience.” *Journal of Homeland Security and Emergency Management.* DOI: 10.1515/jhsem-2017-0019
4. **Erik Fisher**. (2019). “Governing with Ambivalence: The Tentative Origins of Socio-Technical Integration.”*Research Policy* 48(5): 1138–49.
5. Jan Youtie, Phil Shapira, Michael Reinsborough and **Erik Fisher**. (2018). “Research Network Emergence: Societal Issues in Nanotechnology and the Center for Nanotechnology in Society.” *Science and Public Policy* 46(1): 126-135*.*
6. Anthony Levenda, Jennifer Richter, Thaddeus Miller, **Erik Fisher**. (2018). “Regional Sociotechnical Imaginaries and the Governance of Energy Innovations.” *Futures* 109: 181-191*.* <https://doi.org/10.1016/j.futures.2018.03.001>.
7. Miklós Lukovics and **Erik Fisher** (2017). “Socio-Technical Integration Research in an Eastern European setting: Distinct features, challenges and opportunities.” *Society and Economy* 39(4): 501-528.
8. Miklós Lukovics, Steven M. Flipse, Beata Udvari, **Erik Fisher** (2017). “Responsible research and innovation in contrasting innovation environments: Socio-Technical Integration Research in Hungary and the Netherlands.” *Technology in Society*, 51: 172-182.
9. Jennifer A. Richter, Abraham S.D. Tidwell, **Erik Fisher**, Thaddeus R. Miller (2017). “STIRring the grid: engaging energy systems design and planning in the context of urban sociotechnical imaginaries.” *Innovation: The European Journal of Social Science Research* 3(3): 365-384.
10. Miklós Lukovics, **Erik Fisher**, and Beata Udvari (2016). A felelősségteljes innováció iránti fogékonyság fejlesztése a gyakorlatban. [Improvement of Sensitivity towards Responsible Innovation in Practice.]. Marketing & Menedzsment, 50(2), 3–18.
11. **Erik Fisher**, Michael O’Rourke, Eric B. Kennedy, Rob Evans, Mike Gorman, Tom Seager† (2015). “Mapping the Integrative Field: Taking Stock of Socio-Technical Collaborations.” *Journal of Responsible Innovation* 2 (1): 39-61.
12. **Erik Fisher** and Genevieve Maricle. (2014). “Higher-level Responsiveness? Socio-Technical Integration within U.S. and U.K. Nanotechnology Research Priority Setting.” *Science and Public Policy* 42 (1): 72-85.
13. Hannot Rodríguez, **Erik Fisher** and Daan Schuurbiers (2013). “Integrating Science and Society in European Framework Programmes: Trends in Project-Level Solicitations.” *Research Policy* 42: 1126-37*.*
14. **Erik Fisher**, Marianne Boenink, Simone van der Burg, and Neal Woodbury† (2012). “Responsible Healthcare Innovation: Anticipatory Governance of Nanodiagnostics for Theranostics Medicine.” *Expert Review of Molecular Diagnostics* 12(8): 857–870.
15. **Erik Fisher**, Catherine Slade, Derrick Anderson and Barry Bozeman (2010). “The Public Value of Nanotechnology?” *Scientometrics* 85(1): 29-39.
16. **Erik Fisher** and Michael Lightner† (2009) “Entering the Social Experiment: A Case for the Informed Consent of Graduate Engineering Students,” *Social Epistemology* 23(3): 283-300.
17. **Erik Fisher** (2007). “Ethnographic Invention: Probing the Capacity of Laboratory Decisions.” *NanoEthics* 1(2): 155-165.
18. **Erik Fisher**, Roop L. Mahajan† and Carl Mitcham (2006). “Midstream Modulation of Technology: Governance from Within.” *Bulletin of Science, Technology & Society* 26(6): 485-496.

Translated into Chinese: “Jì shù de zhōng yóu tiăo jìe: cóng nèi bù jìn xíng zhì lĭ.” (2010/2011). Trans. Zhu Qin and Li Yili. In *Cōng chéng jì shù zhé xué: Research Yearbook on Philosophy of Technology in China*, vol. 7, pp. 182-196.

1. **Erik Fisher** and Roop L. Mahajan† (2006). “Contradictory Intent? U.S. Federal Legislation on Integrating Societal Concerns into Nanotechnology Research and Development.” *Science and Public Policy* 33(1): 5-16.
2. **Erik Fisher** (2005). “Lessons Learned from the Ethical, Legal & Social Implications Program (ELSI): Planning a Societal Implications Research Program for the National Nanotechnology Program.” *Technology in Society* 27: 321-328.
3. Robert Frodeman, Adam Briggle, **Erik Fisher** and Shep Ryen (2004). “Prolegomenon to a Future Humanities Policy.” *Philosophy Today* 48(5): 30-37.

**Refereed Journal Commentaries**

1. Vural Özdemir, K. Yalçın Arga, Ramy K. Aziz, Mustafa Bayram, Shannon N. Conley, Collet Dandara, Laszlo Endrenyi, **Erik Fisher**, Colin K. Garvey, Nezih Hekim, Tanja Kunej, Semra Şardaş, Rene Von Schomberg, Aymen S. Yassin, Gürçim Yılmaz, and Wei Wang (accepted, in press). ”Digging deeper into precision/personalized medicine: cracking the sugar code, the third alphabet of life and sociomateriality of the cell.”*OMICS: A Journal of Integrative Biology.*
2. Diana M. Bowman, Neal Woodbury†, **Erik Fisher** (2016). “Decoupling knowledge and expertise in personalized medicine: Who will fill the gap?” *Expert Review of Precision Medicine and Drug Development* 1(4): 345-347.
3. Lekelia D. Jenkins, Sara M. Maxwell and **Erik Fisher** (2012). “Increasing Conservation Impact and Policy Relevance of Research through Embedded Experiences.” *Conservation Biology* 26 (4), 740-742*.*
4. Vural Özdemir†, **Erik Fisher**, Edward S. Dove, Hilary Burton, Galen E. B. Wright, Mario Masellis and Louise Warnich (2012). “End of the Beginning and Public Health Pharmacogenomics: Knowledge in ‘Mode 2’ and P5 Medicine.” *Current Pharmacogenomics and Personalized Medicine* 10(1): 1-6.
5. Collet Dandara, Clement Adebamowo, Jantina de Vries, Edward S. Dove, **Erik Fisher**, Richard A. Gibbs, Peter J. Hotez, Ilona Kickbusch, Bartha M. Knoppers, Mario Masellis, Mikkel Z. Oestergaard, Tikki Pang and Charles N. Rotimi (2012). “An Idea Whose Time Has Come? An African Foresight Observatory on Genomics Medicine and Data-Intensive Global Science.” *Current Pharmacogenomics and Personalized Medicine* 10(1): 7-15.

**Refereed Published Conference Proceedings**

1. Kaylie McTiernan, Brian Polagye†, **Erik Fisher**, and Lekilia Jenkins (2016). “Integrating Socio-Technical Research with Future Visions for Tidal Energy.” 2016 Council of Engineering Systems Universities (CESUN) Symposium. George Washington University. Jun 27-29.
2. **Erik Fisher** and Roop L. Mahajan† (2006). “Midstream Modulation of Nanotechnology Research in an Academic Laboratory.” Proceedings of *International Mechanical Engineering Congress and Exposition 2006.* Paper no. IMECE2006-14790: 189-195. Chicago, Illinois. November 5-10.

**Refereed Annotated Bibliographies**

1. **Erik** **Fisher,** Warren Pearce and Emily Molfino (2016). “Politics of Science and Technology.” In *Oxford Bibliographies in Political Science*. Ed. Sandy Maisel. New York: Oxford University Press.

**Non-Refereed Journal Editorials and Commentaries**

1. **Erik Fisher** (2019). Learning from Failure.” *Journal of Responsible Innovation* 6(3).
2. **Erik Fisher** (2019). “Difficulty and doability enacting responsible innovation.” *Journal of Responsible Innovation* 6(2): 115-118.
3. **Erik Fisher** (2019). "Questioning Inclusion in Business, Policy, and Public Values.” *Journal of Responsible Innovation* 6(1): 1-3.
4. **Erik Fisher** (2018). “Ends of Responsible Innovation.” *Journal of Responsible Innovation* 5(3): 253-256.
5. **Erik Fisher** (2018). “Gene Drives and the Expanding Horizon of Governance.” *Journal of Responsible Innovation* 5(S1): S1-S3.
6. **Erik Fisher** (2017). “Politics of Scientific Reflection.“ *Journal of Responsible Innovation* 4(3): 317-318.
7. **Erik Fisher** (2017). “Entangled Futures and Responsibilities in Technology Assessment.“ *Journal of Responsible Innovation* 4(2): 83-84.
8. **Erik Fisher** (2017). “Responsible Innovation in a Post-Truth Moment.” *Journal of Responsible Innovation* 4(1): 1-4.
9. **Erik Fisher** (2016). “Framings and Frameworks of Responsible Innovation.” *Journal of Responsible Innovation* 3(3): 185-87.
10. **Erik Fisher** (2016). “Mission Impossible? Developing Responsible Innovation in a Global Context.” *Journal of Responsible Innovation* 3(2): 89-91.
11. **Erik Fisher** (2016). “Navigating Responsible Innovation.” *Journal of Responsible Innovation* 3(1): 1-3.
12. Mads Dahl Gjefsen and **Erik Fisher**. (2014). “From Ethnography to Engagement: The Lab as a Site of Intervention.” *Science as Culture* 23(3): 419-431.
13. David H. Guston, **Erik Fisher**, Armin Grunwald, Richard Owen, Tsjalling Swierstra, and Simone van der Burg. (2014). “Responsible Innovation: Motivations for a New Journal.” *Journal of Responsible Innovation* 1(1): 1-9.
14. **Erik Fisher** (2011). “Public Science and Technology Scholars: Engaging Whom?” *Science and Engineering Ethics* 17(4): 607-620.
15. **Erik Fisher**, Simon Biggs†, Stuart Lindsay† and Jie Zhao† (2010). “Research Thrives on Integration of Natural and Social Sciences.” *Nature* 463. 25 February.

# Daan Schuurbiers and Erik Fisher (2009). “Lab-Scale Intervention.” *EMBO Reports* 10(5): 424–427.

**Non-Refereed Published Conference Proceedings**

1. Erik Fisher (accepted). “Governing Innovation in an Age of Populism: What Roles for Technology Assessment?” *Proceedings of the 8th International Conference of the Network for Technology Assessment.*
2. Qin Zhu, Yang Yu and **Erik Fisher** (2010). “Toward an Empirical Ethics in Technology: Embedded Ethicist as a Case.” *Applied Ethics and Applied Philosophy in East Asia Proceedings of 1st International Conference in Kobe*. Kobe University, Japan. July 26-27.
3. Antonio Calleja-López and **Erik Fisher** (2009). “Dialogues from the Lab: Contemporary Maieutics for Socio-Technical Inquiry.” *Converging Technologies, Changing Societies. Proceedings of Society for Philosophy and Technology*. University of Twente, The Netherlands. July 7-10.
4. **Erik Fisher**, Mike Usrey† and Heather Beasley (2003). “OWL: A Wise Way to Enhance Engineering Students’ Writing Skills.” *Frontiers in Education Proceedings*. Westminster, Colorado. November 5-8.
5. **Erik Fisher** and Roop L. Mahajan† (2003). “Humanistic Enhancement of Engineering: Liberalizing the Technical Curriculum.” *International Conference on Engineering Education Proceedings*. Valencia, Spain. July 22-26.
6. **Erik Fisher** and Mark Benassi† (2003). “Writing as Design: Integrating Composition and Product Design in the Undergraduate Engineering Curriculum.” *American Society of Engineering Education Annual Conference Proceedings, Nashville, Tennessee*. June 22-25.

**Chapters in Edited Volumes**

1. Shannon N. Conley and **Erik Fisher** (2019). “Developing a Theoretical Scaffolding for Interactional Competence: A Conceptual and Empirical Investigation into Competence versus Expertise.” In: *The Third Wave in Science and Technology Studies.* Palgrave Macmillan, Cham, 2019. 235-253.
2. **Erik Fisher** (in press). “Governing Emerging Technosciences,” In S. Maasen S. Dickel, C. Schneider (Eds.), *Yearbook Sociology of the Sciences.*
3. **Erik Fisher** (2019).“Enhancing Micro-foundations of Responsible Innovation: Integration of Social Sciences and Humanities with Research and Innovation Practices.” In Von Schomberg, ed. *International* *Handbook of Responsible Innovation.* Edward Elgar.
4. **Erik Fisher**, David H. Guston, Brenda Trinidad (2019). “Making Responsible Innovators,” In Matthew Wisnioski, Eric S. Hintz, Marie Stettler Kleine (Eds.), *The Innovator Imperative.* Cambridge: MIT Press.
5. **Erik Fisher** and David Beltran-del-Rio (2017). “Mathematics and Root Interdisciplinarity” (revised). In Frodeman, R., Klein, J.T., and Pacheco, R. (Eds.), *The Oxford Handbook of Interdisciplinarity.* Second edition. New York, NY: Oxford University Press. 114-117.

First Edition published as: **Erik Fisher** and David Beltran-del-Rio (2010). “Mathematics and Root Interdisciplinarity.” In Frodeman, R., Klein, J.T., and Mitcham, C. (Eds.), *The Oxford Handbook of Interdisciplinarity*. New York, NY: Oxford University Press. 88-90.

1. **Erik Fisher**, Kornelia Konrad, Marianne Boenink, Verena Schulze Grieving and Bart Walhout (2016). “Building an Agenda for Socio-Technical Integration Approaches.” In Diana M. Bowman et al. (Eds.), *Responsibility and Emerging Technologies: Experiences, Education and Beyond.* Berlin: JOS Press. Pages 43-56.
2. **Erik Fisher** and Daan Schuurbiers (2013). “Midstream Modulation.” In Doorn, N., Schuurbiers, D., van de Poel, I., and Gorman, M. E. (Eds.), *Opening up the Laboratory: Approaches for Early Engagement with New Technology.* Wiley-Blackwell. 97-110.
3. **Erik Fisher** and Arie Rip (2013). “Responsible Innovation: Multi-Level

Dynamics and Soft Interventions.” In Owen, R. Heintz, M. and Bessant, J. (Eds.), *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*. Wiley. 165-83.

1. Richard Owen, Phil M. Macnaghten, Jack Stilgoe, Michael Gorman, **Erik Fisher** and David H. Guston (2013). “A Framework for Responsible Innovation.” In Owen, R. Heintz, M. and Bessant, J. (Eds.), *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*. Wiley. 27-50.
2. Paul Ellwood, **Erik Fisher** and Krsto Panzda (2013). “Organizational Capability Life Cycles for Responsible Innovation.” In Gorman, M.E, Savage, N. and Street, A. (Eds.), *Emerging Technologies: Socio-Behavioral Life Cycle Approaches.* Singapore: Pan Stanford. 117-138.
3. Hannot Rodríguez, **Erik Fisher** and Hu Mingyan (2012). “Socio-Technical Integration: Research Policies in the United States, European Union, and China.” In Christensen, S., Mitcham, C., Li, B. and An, Y. (Eds.), *Engineering, Development and Philosophy: American, Chinese and European Perspectives.* Dordrecht: Springer. 291-304.
4. Robin Phelps and **Erik Fisher** (2011). “Legislating the Laboratory? Promotion and Precaution in a US Nanomaterials Company.” In Hurst, S.J. (Ed.), *Biomedical Nanotechnology*. Humana Press. 339-358.
5. **Erik Fisher** and Roop L. Mahajan† (2010). “Embedding the Humanities in Engineering: Art, Dialogue, and a Laboratory.” In Gorman, M.E. (Ed.), *Trading Zones and Interactional Expertise: Creating New Kinds of Collaboration.* Cambridge, MA and London, England: MIT Press. 209-230.
6. **Erik Fisher** (2009). “Legislative and Regulatory Framework,” *Nanotechnology & FDA-Regulated Products: The Essential Guide.* Food and Drug Law Library: Washington D.C.
7. **Erik Fisher** and Clark Miller (2009). “Contextualizing the Engineering Laboratory.” In Christensen, S.H., Meganck, M., and Delahousse, B. (Eds.), *Engineering in Context*, Academica: Aarhus. 369-382.
8. Daniel Barben, **Erik Fisher**, Cynthia Selin and David H. Guston (2008). “Anticipatory Governance of Nanotechnology: Foresight, Engagement, and Integration.” In Hackett, E.J., Amsterdamska, O., Lynch, M.E. and Wajcman, J. (Eds.), *New Handbook of Science and Technology Studies*, MIT Press. 979-1000.
9. **Erik Fisher** (2007). “The Convergence of Nanotechnology, Policy, and Ethics.” In Zelkowitz,M. (Ed.), *Advances in Computers 71: Nanotechnology*, Academic Press: London. 274-296.

**Book Reviews, Encyclopedia Entries, and Miscellaneous Publications**

1. **Erik Fisher** (2019). “Review: *Technology Assessment in Practice and Theory.*” *Journal on Technology Assessment in Theory and Practice* (*TATuP*) 28(2): 78-79.
2. **Erik Fisher** (2016). “Prometheus.” Annotation. In: David H. Guston et al., (Eds.), *Frankenstein: Annotated for Scientists, Engineers and Creators of All Kinds.* MIT Press.
3. **Erik Fisher** (2012). “Ogmius 10th Anniversary.” *Ogmius* 33: 4.
4. Carl Mitcham and **Erik Fisher** (2012). “Ethics and Policy.” In Chadwick, R. (Ed.), *Encyclopedia of Applied Ethics*. San Diego: Academic Press. 165–172.
5. **Erik Fisher** (2010). “21st Century Nanotechnology Research and Development Act of 2003.” In Guston, D.H. (Ed.), *Encyclopedia of Nanoscience and Society*. Thousand Oaks, CA: SAGE Publications, Inc. 772-4.
6. **Erik Fisher** (2010). “Integration.” In Guston, D.H. (Ed.), *Encyclopedia of Nanoscience and Society*. Thousand Oaks, CA: SAGE Publications, Inc. 344-345.
7. **Erik Fisher** (2008). “Review of Evan Selinger; Robert P. Crease (Eds.). *The Philosophy of Expertise*.” *Isis*, 99 (1): 232-233.
8. Clark Miller, David H. Guston, Daniel Barben, Jameson Wetmore, Cynthia Selin and **Erik Fisher** (2007). “Nanotechnology and Society: Ideas for Education and Public Engagement.” Center for Nanotechnology in Society.
9. **Erik Fisher** (2006). “Embedded Nanotechnology Policy Research.” *Ogmius* 14: 3-4.
10. **Erik Fisher** (2005). “Two Cultures.” In Mitcham, C. (Ed.), *Encyclopedia of Science, Technology, and Ethics*. Detroit: Macmillan Reference USA. 1988-1989.
11. **Erik Fisher** (2005). “Review of *Geo-Logic: Breaking Ground between Philosophy and the Earth Sciences*.” *Environmental Ethics* 27(1): 97-100.

**White Papers and Published Reports**

1. Rosemary Ommer, Brian Wynne, Robin Downey, **Erik Fisher**, Emily Marden, Patricia Kosseim, Jeremy Rayner, and Edward Safarik. Genomics, Society and Ethics Advisory Committee; Subcommittee on Pathways to Integration (2011). “Pathways to Integration.” Genome British Columbia. 23 March.
2. Ethics Task Force (2003). “Welcoming the Nano Age: Social and Ethical Considerations of Nanotechnology.” Colorado Nanotechnology Initiative. September 4.
3. Kathryn A. Neeley, **Erik Fisher**, Eric Maslen**†**, Melinda Piket-May**†**, John Prados, Melvin Cherno, John K. Brown, Michael Schoultz, Michael E. Gorman, and Robert Spitzer† (2002). “Integration as a Means to Excellence in Engineering Education and Practice.” Report to the National Science Foundation.

**Articles and Works in Preparation**

1. **Erik Fisher.** *Politics in the Laboratory.* Book project.
2. **Erik Fisher.** *Mindfulness in the Laboratory.* Book project.
3. **Erik Fisher**. “Socio-Technical Integration Research (STIR) Manual.” 24 October 2019.
4. **Erik Fisher.** “Governing Innovation in an Age of Populism: What Roles for Technology Assessment?” Accepted with minor revisions for *Proceedings of the 8th International Conference of the Network for Technology Assessment*.
5. Mareike Smolke, **Erik Fisher** and Alexandra Hausstein. “From affect to action: STIRring up STS collaborations.” Intended for *Science, Technology and Human Values.*
6. Steven Flipse and **Erik Fisher**. “Navigating the Two-fold Imperative for Ethicists and Social Scientists when Engaging Innovators.” Under review for *Responsible Research and Innovation Assessment.* Routledge.
7. Jen Richter, Anthony Levenda, **Erik Fisher**, Thaddeus Miller, Abraham Tidwell, Annie Hammang and Shivam Zaveri. “Comparing Value Integration in Smart Urban Innovation.” Intended for *Technological Forecasting & Social Change.*
8. Antonio Calleja-López, **Erik Fisher** and Cristian Puga-Gonzales. “Dialogues from the Lab: Socratic Practices for Collaborative Sociotechnical Inquiry.” Intended for *Synthese.*
9. Michael Poznic and **Erik Fisher**. “The Responsible Engineer: the Role of Moral, Epistemic, and Poietic Virtues.” Intended for: *Techné: Research in Philosophy and Technology.*
10. **Erik Fisher**, Steven Flipse, Daan Schuurbiers, Antonio Calleja López, Shannon Conley, Cameron Keys, Monamie Bhadra, Paul Ellwood, Cecilie Glerup, Birgitte Hansen, Byoungyoon Kim, Miao Liao, Federica Lucivero, Y. L. Christine Luk, Bastien Miorin, Robin Phelps, Francois Thoreau, Qin Zhu. “It’s not all Talk: Embedding Social Scientists in Laboratories for Responsible Innovation.” In preparation for *Research Policy.*
11. Michael Reinsborough, **Erik Fisher**, Alecia Radatz, Elizabeth Corley, Jan Youtie, Phil Shapira, and David H. Guston “Alternative Metrics of Impact and Outcome in Societal Aspects of Nanotechnology Research: Quantitative Support for Qualitative Assessment of Larger Scale Social Science Research Centers.”
12. **Erik Fisher** and Brice Laurent. “Integration Discourses: U.S. Policy Imaginaries for the Participation of Publics and Social Scientists in Nanotechnology.” In preparation for *Minerva.*
13. **Erik Fisher**, Shannon Conley, Brenda Trinidad, Daan Schuurbiers, Cameron Keys, Antonio Calleja-López, Steven Flipse, Paul Ellwood, Cecilie Glerup, Byoungyoon Kim, Federica Lucivero, Y. L. Christine Luk, Bastien Miorin, Qin Zhu.”A Reflexive Ethnography of Conducting Lab-based Investigations in Collaborative Socio-Technical Integration.”

#### Grants Awarded

**International Fellowships**

1. Visitor’s Travel Grant, Netherlands Organization for Scientific Research (NWO); 2019 (~$9500).
2. Fellowship, Karlsruhe Institute of Technology, Institute for Technology Assessment and Systems Analysis (and) Institute for Technological Futures; 2018 (~$13,000).
3. Sabbatical Fellowship, Norwegian University of Science and Technology, Biotechnology Department, Digital Life Program; 2018 (~$6,000).
4. Visiting Scholarship, University of Twente, MESA+ Institute and Technical Medical Center; Rathenau Institute; NanoNextNL; 2015 (~$17,000).

**National Awards**

1. Principal Investigator, National Science Foundation, Supplemental Award for “STIR Cities: Engaging Expert Performances of Sociotechnical Imaginaries for the Smart Grid,” #1535120, 2017-2019 (~$12,000, REC: ~70%).
2. Principal Investigator, National Science Foundation, “STIR Cities: Engaging Expert Performances of Sociotechnical Imaginaries for the Smart Grid,” #1535120, 2015-2019 ($313,000, REC: ~80%).
3. Principal Investigator, National Science Foundation, “Socio-Technical Integration Research,” #0849101, 2009-2014 ($540,000, REC: 80%).
4. Principal Investigator, National Nanotechnology Infrastructure Network, “Documenting the Integration of Social and Ethical Considerations into Nanoscale Research,” 2009-2010 ($5,325, REC: 100%).
5. Principal Investigator, National Endowment for the Humanities, “Dialogues between Two Cultures,” 2002-2003 ($25,000, REC: 100%).
6. Co-Principal Investigator, National Science Foundation, “Science Advanced through Virtual Institutes: Virtual Institute for Responsible Innovation (VIRI),” SES-1257246, 2013-2015 ($498,452, REC: 30%).
7. Co-Principal Investigator, National Science Foundation, “Qualitative and Quantitative Assessment of Outcomes from and Impact Of CNS-ASU,” Supplemental Funding for Award No. #0937591, 2012-2014 ($172,500, REC: 30%).
8. Co-Principal Investigator, University of Nottingham, “Embedding RRI in the University,” 2015-2016 ($38,215).
9. Co-Principal Investigator, National Science Foundation, “How to STIR Public Values for Policy Making: A Supplement Proposal for Web-based Dissemination of Two SciSIP Projects,” #0738203, 2010-2011 ($35,000, REC: 33%).
10. Senior Investigator, National Science Foundation, “Center for Nanotechnology in Society at Arizona State University,” #0937591, 2011-2015 ($6.5M, REC: 8%).
11. Senior Investigator, National Science Foundation, “Center for Nanotechnology in Society at Arizona State University,” #0531194, 2006-2010 ($6.2M, REC: 5%).
12. Senior Investigator, National Science Foundation, “Collaborative Research: Energy Ethics In Science And Engineering Education,” #1033082, 2010-2013 ($124,931, REC: 8%).
13. Senior Investigator, National Science Foundation, “IGERT: Solar Utilization Network (SUN),” #1144616, 2012-2017 ($1,163,043, REC: 3%).
14. Senior Collaborator, Research Council of Norway, “Reflexive Systems Biology: Towards an Appreciation of Biological, Scientific and Ethical Complexity,” #187969/S10, 2009-2012 ($820,000).

**Local Awards**

1. Principal Investigator, University of Colorado, Boulder, “Dialogues between Two Cultures” matching grants ($8,000). 2002-2003.
2. Program Director, University of Colorado, Boulder, “Online Writing Laboratory.” University of Colorado, Boulder, 1998-2003 ($23,000, cumulative).
3. Program Director, Ball Aerospace Technologies and Corporation, “Connections Art Gallery,” 2002 ($5,000).
4. Program Co-Director, University of Colorado, Boulder, “Technology and Culture Curriculum Initiative.” 2001-2002 ($30,000).

**Professional Presentations**

#### *(Notes: “Invited” denotes personal invitation with any and all expenses covered; A dagger (†) denotes a keynote address; A double-dagger (‡) denotes a primarily policy, natural scientific, or industrial audience.)*

**Invited Presentations**

1. (2019) “Socio-technical integration: The landscape and a practical approach.” **Keynote Address.** Zweite Fachkonferenz “Integrierte Forschung.” Leipzig, Germany. 25-26 November.
2. (2019) “STIRing Capacities for Reflexive Value Integration in Research and Innovation.” *Exploring Values in Technology Across Methods and Disciplines*. Technical University of Delft, Delft, The Netherlands. 31 October.
3. (2019) “Reflections on RRI: Accomplishments, Limitations, Prospects.” Belgian STS Network meeting. KU Leuven. Leuven, Belgium. 21 June.
4. (2019) Midstream Modulation and ([Responsible] Innovation) Education. Science Education and Communication Colloquium. Technical University of Delft. Delft, The Netherlands. 11 June.
5. (2019) “RRI Developments Internationally.” Transformative changes in Research, Innovation and Education in a global perspective - diverging or converging? The Hague, The Netherlands. 10 April.
6. (2019) “Values-based Approaches at ASU.” Transformative changes in Research, Innovation and Education in a global perspective - diverging or converging? The Hague, The Netherlands. 10 April.
7. (2019). “Why Responsible Innovation? Because We Can.” **Keynote address.** Towards Responsible Research & Innovation Eco-Systems. *EARTO Annual Conference 2019.* Espoo, Finland. 19 March.†,‡
8. (2018). “Technology as Waveform: Mundane or Hubristic Metaphor?” Technical University of Darmstadt. Institute of Philosophy. Darmstadt, Germany. 14 December.
9. (2018). “Midstream Modulation of Technology Using the STIR approach.” Fraunhofer Institute for Systems and Innovation Research (ISI). Karlsruhe, Germany. 30 November.
10. (2018). “Elucidating the STIR Approach.” Department of Science, Technology, and Policy Studies (STePS) Colloquium. University of Twente. 21 November.
11. (2018). Commentary on Armin Grunwald’s *Practice and Theory of Technology Assessment.* Theory of TA workshop. Institute for Technology Assessment and Systems Analysis. Karlsruhe Institute of Technology. Karlsruhe, Germany. 19 November.
12. (2018). “RI and/or TA?” Knowledge Division. Institute for Technology Assessment and Systems Analysis. 14 November.
13. (2018). “Governing Innovation in an Age of Populism: What Roles for Technology Assessment?” **Keynote address.** 8th International Conference of the Network for Technology Assessment (NTA8). Karlsruhe, Germany. 8 November.†
14. (2018). “’Stirring up’ TERRITORIES: Integrating Social and Ethical Considerations into Radioecology.” **Keynote address**. With Michiel van Oudheusden. *RICOMET 2018: Social Sciences and Humanities in Ionising Radiation Research.* University of Antwerp. Antwerp, Belgium. 14 June. †‡
15. (2018.) “Problematizing Ethos.” *Visions for Life Science Knowledge Commons.* Trondheim, Norway. 24 May.
16. (2017). “Socio-Technical Collaborations in Science and Engineering from the Lab to the City.” **Keynote address**. *NSF-Sponsored Workshop on Effective Community-University-Industry Collaboration Models for Smart and Connected Communities Research.* Washington, DC. 30 November. †‡
17. (2017). “Results of Socio-Technical Integration Research.” *A Critical View on Responsible Research & Innovation*. Technical University of Delft. Delft, The Netherlands. 28 November.
18. (2017). “Socio-Technical Integration: From Social Concerns to Technology Transfer.” *NSF Workshop on Organizational Issues in Technology Transfer at Federal Laboratories*. Phoenix, Arizona. 14 November.
19. (2017). [By video presentation] “STIR Cities: Inflecting Expert Performances in the ‘Smart’ City.” *Sustainable and Ethical Enterprise Group Re-launch Celebration*. Manchester Metropolitan University. Manchester, UK. 25 October.
20. (2016). “Socio-Technical Integration Research.” *Science Communication Colloquium Series.* Department of Science Education and Communication. Technical University of Delft. Delft, The Netherlands. 16 December.
21. (2016). “Responsible Innovation: State of the Art at Arizona State University.” With Lindsey Beagley. *Project JERRI: 1st Annual International Mutual Learning Workshop*. Munich, Germany. 15 December.‡
22. (2016). “Ethicists as Part of a Research Team.” *Neuroscience and Ethics Engagement: From* Gray Matters *to an NSF Engineering Research Center*. Center for Sensorimotor Neural Engineering. Seattle, WA. 4 November.‡
23. (2016). “Re-engineering Research Structures – the Role(s) of the Humanities” *Science for the Common Good*. Norwegian University of Science and Technology. Trondheim, Norway. 14 June.
24. (2016). “Socio-Technical Integration Research.” Arbeidsforskningsinstituttet and Research Group for Responsible Innovation, University of Oslo. Oslo, Norway. June 10.‡
25. (2016). “What kind of expertise is involved in ‘socio-technical integration’?” *10th annual Studies of Expertise and Experience Workshop (SEESHOP)*. Cardiff University. Cardiff, Wales. May 29.
26. (2016). “High-Impact Reflection for Responsible Innovation.” Crossover Research II. April 15. Norwegian University of Science and Technology. Trondheim, Norway.
27. (2016). “Measure with Care: Coping with the Contradictions of Socio-Technical Collaborations.” *ELSA Norway Conference*. Hurtigruten. April 11.
28. (2016). “Responsible Innovation from Lab to Legislature.” University of Sheffield. March 7.
29. (2015). “Socio-Technical Integration Research: What is it? Why do it?” *Ethics/Philosophy of Technology Section Colloquium*. Technical University of Delft. 16 December.
30. (2015). “Socio‐Technical Integration Research: Probing the Decision Capacities of Technical Practices.” *Engaging in Responsible Research and Innovation: The hows and whys.* Norwegian University of Science and Technology. Trondheim, Norway. 14-15 December.
31. (2015). “Governing Emerging Technosciences.” *TechnoScienceSociety: Technological Reconfigurations of Science and Society.* Munich Center for Technology in Society. Technical University of Munich. Munich, Germany. 23-25 November.
32. (2015). “Linking Dialogue to Decision: Engaging capacities for responsible innovation in the laboratory.” *Manchester Institute of Innovation Research Seminar Series.* University of Manchester. Manchester, United Kingdom. 17 July.
33. (2015). “Responsible Innovation: Integrating Social Sciences in Technology Development.” (With Abraham Tidwell.) Belgian Nuclear Research Center (SCK-CEN). Mol, Belgium. 26 June.**‡**
34. (2015). “Redesigning Research in the Lab, the University, and Beyond.” *Faculty of Behavioural, Management and Social Sciences Colloquium.* University of Twente. The Netherlands. 10 June.
35. (2015). “Mapping the Micro-capacities of Responsible Innovation.” *3TU Centre for Ethics and Technology Annual Research Day.* Utrecht, The Netherlands. 4 June.
36. (2015). “Socio-Technical Integration and the Micro-foundations of Responsible Innovation.” *Watershed Metagenomics Project Stakeholder Workshop and Closeout Meeting.* University of British Columbia. Vancouver, Canada. 21 May.‡
37. (2015). “Reflections on Responsible Innovation, Training, and Institutional Capacity Building.” (With David Guston and Brenda Trinidad). *Can Innovators Be Made? A Dialogue on the Past, Present, and Future of Innovation Expertise.* Virginia Tech-Lemelson Center Workshop. Arlington, Virginia and Washington, D.C. March 20-21.‡
38. (2014). “How to Talk to Scientists about Ethics.” *Workshop on Ethics and Society*. French National Research Agency. Paris, France. May 29.‡
39. (2014). “Socio-Technical Communication for Integration.” Technical University of Delft. The Netherlands. May 28.
40. (2014). “Responsible Innovation: Integrating Care and Creativity.” *Association for Managers of Innovation Spring 2014 Conference*. San Diego, CA. April 2-4.‡
41. (2014). Invited testimony. The Presidential Commission for the Study of Bioethical Issues. *Sixteenth meeting*. Washington, D.C. February 11.‡
42. (2013). “Socio-Technical Collaboration in Science: Building Capacities for Responsible Innovation.” *International Symposium for Responsible Research and Innovation*. Osaka University, Japan. December 16.
43. (2012). “Exploring the Possibility, Utility, and Meaning of Lab-based Socio-technical Collaborations.” *Science of Science and Innovation Policy Conference 2012*. The National Academy of Sciences. Washington, D.C. September 20-21.‡
44. (2012). “Broader societal implications: long-term scenarios, challenges for humankind.” *NBIC2: International Study on Converging Technologies for Societal Benefit*. The National Science Foundation. June 25-26.‡
45. (2011). “Future Regimes of Science, Politics and Convergence Work.” *The Future of Science and Society: A Symposium in Honor of Arie Rip.* University of Twente. June 17.
46. (2011). “Responsible Innovation R&D: the US Experience.” *Franco-British Workshop on Responsible Innovation: From Concepts to Practice*. Residence of the French Ambassador, London. May 23-24.‡
47. (2011). “STIR Spin-offs: Beyond the Laboratory Engagement Study.” Institute for Innovation and Governance Studies. University of Twente. May 11.
48. (2010). “Science, Democracy and the Reinvention of the Liberal Arts.” *Lowdenslager Annual Lecture.* Western State College. Gunnison, Colorado. October 28.
49. (2010). “Midstream Modulation and Socio-Technical Integration Research.” *Ethics on the Work Floor: Interdisciplinary Research and Responsible Innovation workshop*. Technical University of Delft. Delft, The Netherlands. October 22-23.
50. (2010). “Lab-level Socio-technical Integration.” *Genome British Columbia, GSEAC Retreat*. Vancouver, British Columbia, Canada. June 9.‡
51. (2010). “Midstream Modulation of Emerging Technology: Probing the Capacity of Research Decisions.” Research Council of Norway. Oslo, Norway. June 2.‡
52. (2010). “What is Midstream Modulation?” *Reflexive Systems Biology Kick-Off Meeting*. University of Bergen. Bergen, Norway. February 27.
53. (2010). “Technology Assessment Trends in the USA.” Keynote Lecture for *TA Workshop: Keeping Pace with TA*. Instituut Samenleving & Technologie. Flemish Parliament. Brussels, Belgium. February 26. †‡
54. (2009). “Laboratory Engagement. STIR: Initial Project Results.” *TA NanoNed Annual Meeting*.  Utrecht, The Netherlands. June 30.
55. (2009). “Integrating Ethics and Engineering in the Laboratory:  Reflections of an Embedded Humanist.” *Workshop on* *Integrating Ethics and Societal Issues into a Graduate Curriculum*.  Virginia Tech. Blacksburg, Virginia. June 8-9.‡
56. (2009). “Socio-Technical Integration Research.” *Workshop on Research Funding and the Good Life.* University of Twente. Twente, The Netherlands. March 18.
57. (2008). “**Laboratory Engagements: Risky Discourse and Research Decisions.**” *Networks, Risk and Knowledge Sharing*. University of Massachusetts Amherst. October 3.
58. (2007). “Social and Policy Issues in Nanotechnology.” *5th CINT Users Workshop.* Center for Integrated Nanotechnologies. Albuquerque, New Mexico. January 16-17.‡
59. (2006). “Socratic Engagement of Nanotechnology Researchers.” Department of Philosophy and Religious Studies. University of North Texas, Denton, Texas. September 7.

**Conference, Workshop and Occasional Presentations**

1. (2019). Michael Poznic and **Erik Fisher**. “The Responsible Engineer: the Role of Moral, Epistemic, and Poietic Virtues.” Society for Philosophy and Technology Annual Conference. *Texas A&M University*. College Station, Texas. 20-22 May.
2. (2018). “STIR and Midstream Modulation.” Integrating knowledge, values, and perspectives – institutionalizing reflexivity Workshop on socio-technical integration methods. Institute for Technological Futures (ITZ). Karlsruhe Institute of Technology. Karlsruhe, Germany. 22-23 September.
3. (2018). “Socio-Technical Integration Research.” Aachen University Institute for Plastics Processing Retreat. Bad Bergzabern, Germany. 14 September. ‡
4. (2018). “Engaged Social Science Research in Nanoscale Science and Engineering Communities: An Assessment of the Center for Nanotechnology in Society at Arizona State University.” With Alecia Radatz, Michael Reinsborough, Elizabeth Corley, David Guston. *Society for the Studies of New and Emerging Technologies*. Maastricht, the Netherlands. June 26.
5. (2018). Panelist. “Collaborative Histories: an STS Community Considers the Nano Social Science of the Past Ten Years.” *Society for the Studies of New and Emerging Technologies*. Maastricht, the Netherlands. June 26.
6. (2017). Panel participant. *The Vision of Smart University*. Sustainability Transition Consulting, Global Network for Sustainable Development and Department of Psychology. Tempe, Arizona. 26 September.
7. (2017). “Situating, Inflecting, Comparing: Expert Performances in the ‘Smart’ City.” With Anthony Levenda, Anne Hammang, Jen Richter, and Thad Miller. *Society for Social Studies of Science Annual Meeting*. Boston, MA. August 31.
8. (2017). “Exploring Tools for Responsible Innovation in an Industrial Setting.” With Shivam Zaveri. Poster Presentation. *American Association for the Advancement of Science annual meeting*. Boston, MA. February 19.
9. (2016). “Social Science Engagements with Experts in a Context of Local and Alternative Imaginaries.” With Anthony Levenda, Thaddeus Miller and Jen Richter. *Society for the Studies of New and Emerging Technologies*. Bergen, Norway.
10. (2016). “From the Lab to the City: Exploring Socio-Technical Integration Research within Broader Landscapes.” With Jen Richter, Thaddeus Miller, Anthony Levenda, Abraham Tidwell. *Society for Social Studies of Science Annual Meeting*. Barcelona, Spain. September 2.
11. (2016). “Socio-Technical Integration Research: Implications for practicing managers and post-graduate management teaching and research.” *Academy of Management Annual Meeting.* Anaheim, CA. August 7.
12. (2016). “Socio-Technical Integration Research (STIR).” *Science of Team Science*. Phoenix, Arizona. May 18.
13. (2016). “Sociotechnical Integration in the City: STIR Cities.” With Thaddeus Miller, Jennifer Richter, Abraham Tidwell, Anthony Levenda. Poster Presentation. *23rd Annual International Symposium on Sustainable Systems and Technology.* Phoenix, Arizona. May 16.
14. (2016). “Tools for Engagement.” With Shannon Conley. *IEEE Ethics Symposium*. Vancouver, British Columbia. May 13-14.
15. (2016). “Midstream Modulation in Eastern-Europe: Special Features, Challenges and Possible Solutions.” *Annual Meeting of the Virtual Institute for Responsible Innovation*. University of Basque Country. (With Miklos Lukovics and Gabriella Molnár.) March 12.
16. (2016). “Integration, Expertise, and Ambivalence.” *Responsible Research and Innovation (RRI): The Problematic Quest for “Right” Impacts*. Donostia-San Sebastian, Spain. March 10.
17. (2015). “Anticipatory Governance and Socio-Technical Integration Research.” Faculty of Technology, Policy & Management seminar. Technical University of Delft, The Netherlands. 17 December.
18. (2015). “Practical Demonstration: Implementing the STIR protocol” MESA+ / MIRA Workshop, University of Twente. The Netherlands. July 9. **‡**
19. (2015). “Mapping the Micro-capacities of Responsible Innovation.” Eindhoven University of Technology. 30 June.
20. (2015). “Socio-Technical Integration Research (STIR).” With Paul Ellwood. *What’s Next in Socio-technical Intervention Approaches?* University of Twente. The Netherlands. June 22-23.
21. (2014). “STIR Overview.” *Communities of Integration 2nd Annual Meeting*. University of Waterloo. Kitchener, Ontario. Canada. June 9.
22. (2014). “Mapping Socio-Technical Integration.” With Michael O’Rourke. Communities of Integration 2nd Annual Meeting. University of Waterloo. Kitchener, Ontario. Canada. June 9.
23. (2014). “Modulating the Laboratory: Integrating Care and Creativity.” Department of Science, Technology, Engineering and Public Policy. University College London. May 23.
24. (2014). “Responsible Collaborations in Interdisciplinary Research.” *American Association for the Advancement of Science annual meeting*. Chicago, Illinois. February 15.
25. (2013). “Communities of Practice: Sociotechnical Integration (CoPSI).” With Eric Kennedy. Digital Poster. *1st Global Conference on Research Integration and Implementation*. Australia National University. Canberra, Australia. September 8-11.
26. (2013). “Socio-Technical Integration Research: Around the world in 30 labs” With Shannon Conley and Cameron Keys. Digital Poster. *1st Global Conference on Research Integration and Implementation*. Australia National University. Canberra, Australia. September 8-11.
27. (2013) “Probing Capacities for Socio-Technical Integration.” Communities of Integration Track. *4th Annual International Science for Team Science Conference*. Northwestern University. Evanston, Illinois. June 24-27.
28. (2013). Roundtable: On Myron J. Aronoff and Jan Kubik, Anthropology and Political Science: A Convergent Approach. Panelist. *Midwest Political Science Association 71st Annual Conference*. Chicago, Illinois. April 12.
29. (2012). “Self-reflexive Science and Emergence of Microtrading and Integration zones in Bio-, Info- and Nano-science Research Labs.” With Farzad Mahootian and Mike Gorman. *3rd Annual Conference on Empirical Philosophy of Science*. Aarhus University, Denmark. March 21-23.
30. (2012). “Politicized Public Values: Mapping Value Convergence between the US Stem Cell Research and Abortion Popular Debates.” With Alecia Radatz. The Public Value Consortium Biennial Workshop 2012. *Beyond Conceptualization: Integrating Public Values to Inform Policy & Management*. University of Illinois at Chicago. Chicago, Illinois. June 3-5.
31. (2012). “Self-Critical Public Science: How to Integrate Creativity and Responsibility.” New Tools for Science Policy Seminar. ASU Washington Center. Washington, D.C. April 26. ‡
32. (2011). “’Stirring’ the Governance Capacities of Experts-in-the-Making.” *Third Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies*. Arizona State University. Tempe, Arizona. November 7-10.
33. (2011). “Lost in the NanoWorld: 10 years of Emergence.” *Third Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies*. Arizona State University. Tempe, Arizona. November 7-10.
34. (2011). “Socio-Technical Integration: Collaborating with Geneticists in Patient Engagement.” With Shannon Conley. *Third Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies*. Arizona State University. Tempe, Arizona. November 7-10.
35. (2011). “Public Deliberation in the Education of Science: Contemporary Practices and Classical Ideals.” With Topi Heikkerö. *Annual Meeting of the Society for Philosophy and Technology.* University of North Texas. Denton, Texas. May 26-29.
36. (2011). “The Code of Conduct for Responsible Nanosciences and Nanotechnologies Research as a Platform for Deliberation.” *Soft Law Oversight Mechanisms for Nanotechnology.* Skysong, Arizona State University. Scottsdale, Arizona. March 22.
37. (2011). “STIR Project Overview.” *International Network for Responsible Innovation.* STIR Project Workshop.Woodrow Wilson International Center for Scholars. Washington, D.C. February 16-17.
38. (2010). “Public Value Integration in Science Policy.” *Science of Science Policy Measurement Workshop*. Office of Science and Technology Policy. National Press Club, Washington D.C. December 2-3. ‡
39. (2010). “Socio-Technical Integration Research.” *NSF Science of Science and Innovation Policy Workshop: Building a Community of Practice II.*American Association for the Advancement of Science. Washington, D.C. October 19. ‡
40. (2010). “Integration Outcomes.” *Integration Study Comparisons.* STIR Project Workshop. University of Tokyo. Tokyo, Japan. August 24-25.
41. (2010.) “Socio-Technical Integration in European Framework Programmes.” With Hannot Rodríguez. Poster presentation. *Gordon Research Conference on Science and Technology Policy*, Waterville Valley, New Hampshire. August 8-13.
42. (2010). “Integration of Social Science and Humanities Scholars with Natural Scientists.” With David H. Guston. Anticipatory Governance of Emerging Technologies: Foresight, Engagement and Integration. *Euroscience Open Forum*. Turino, Italy. July 2-7.
43. (2010). “Changing Practices: An Engagement of Expert Epistemologies in the Making.” With David H. Guston. *Ninth Annual Meeting of the Science and Democracy Network*. Kavli Royal Society International Centre, Chicheley Hall, UK. June 28-30.

# (2010). “A Whole New Set of Lab Responsibilities? ‘Responsible Innovation’ and its Consequences for Research Practices.” With Daan Schuurbiers and Harro van Lente. *Risky Entanglements? Contemporary Research Cultures Imagined and Practiced*. Vienna, Austria. June 9-11.

1. (2010). “Tracking the Pervasiveness of Socio-Technical Integration in the European Research and Development Framework Programmes.” With Hannot Rodríguez. *Science and Governance: Global and Comparative Perspectives*. Arizona State University. Tempe, Arizona. April 25-26.
2. (2010). “The Political Ethnography of Lab-Level Bureaucrats: Probing the Capacity of Research Decisions.” *Midwest Political Science Association 68th Annual National Conference*, Chicago, Illinois. April 22-25.
3. (2009). “From Lab to Legislature: Public Value Mapping of Nanotechnology Science and Innovation Policy Making.” With Derrick Anderson. *The Dupont Summit on Science and Technology Policy.* Policy Studies Organization, Carnegie Institution for Science. Washington D.C. December 4.
4. (2009). “Reflexive modulation of laboratory practices for the governance of science and technology.” With Antonio Calleja-López. *Society for Social Studies of Science Annual Meeting.* Washington D.C. October 28-31.
5. (2009). “From Social Aspirations to Organizational Capability: Identifying Micro-Foundations and the Role of Strategizing.” With Krsto Pandza and Paul Ellwood. *Interactive Strategy Process Work-in-Progress Workshop/ SMS Pre-Conference: Advancing Strategy Process Research.* Washington D.C. October 11.
6. (2009). “Integration and Reflexivity: Integrating Social Science and Humanistic Work with Laboratory Research in Emerging Science and Technology.” *S.NET Pre-Conference Workshop: Real-time Technology Assessment and Anticipatory Governance*, University of Washington, September 8.
7. (2009). “Public Value Mapping of Nanotechnology: A Developing Approach for Tracking Public and Social Values in Science and Innovation Policies.” With Catherine Slade, Derrick Anderson and Barry Bozeman. *Annual Meeting of the America Sociological Association*, San Francisco, California. August 7-11.
8. (2009). “Inquiry as Intervention.” *Inquiry as Intervention*. STIR Project Workshop.University of Bergen. Vatnahalsen, Norway. July 4-7.
9. (2009). “The ‘Two Cultures’ in Science Policy.” Center for Science and Technology Policy Research. University of Colorado at Boulder. Boulder, Colorado. June 25.
10. (2009). “Science and Society in the Laboratory? Reflections of an Embedded Humanist.” Colorado Fuel Cell Center. Colorado School of Mines. Golden, Colorado. June 24. ‡
11. (2009). “Integrating Science and Society in Nanotechnology Laboratories.” *The Nano Renewable Energy Summit*. Denver, Colorado. June 22-23. ‡
12. (2009). “The ‘Two Cultures’ in Science Policy Today.” School of Public Affairs. University of Colorado-Denver. Denver, Colorado. May 7.
13. (2009). “STIR Project Overview.” *Constructing Foundations.* STIR Project Workshop. Arizona State University. Tempe, Arizona. January 17-19.
14. (2008). “Nanotechnology: Environment, Health, and Safety.” Environmental Professionals of Arizona / Academy of Certified Hazardous Materials Managers. Tempe, Arizona. November 13. ‡
15. (2008). “Mapping and Modulating the Public Value of Academic Research.” With Derrick Anderson and David Renolds†. *Gordon Research Conference on Science and Technology Policy*. Big Sky, Montana. August 17-22.
16. (2008). “NSECs and the Integration of Societal Concerns into R&D.” With Manuel Garay. *Gordon Research Conference on Science and Technology Policy*. Big Sky, Montana. August 17-22.
17. (2008). “Midstream Modulation: Embedding the Humanities in Engineering Practice and Education.” Kluyver Colloquium, Delft Technical University, Delft, The Netherlands. July 11. ‡

#### (2008). “Embedded Humanists.” *Workshop on Engineering in Context*. Colorado School of Mines. Golden, Colorado. April 26-29.

#### (2008). “Midstream Modulation and the Politics of Engagement.” *STS in Action*. Pomona College. Claremont, California. March 28-30.

#### (2007). “Inventing the Socially Conscious Laboratory.” Consortium for Science, Policy & Outcomes. Tempe, Arizona. December 4.

1. (2007). “Integrating Social Considerations into Nanotechnology Research.” *1st Rocky Mountain Nanotechnology Showcase.* Denver, Colorado, September 18. ‡
2. (2007). “The Integration of Public Input into the American Nanotechnology Federal Program: Meanings and Contradictions.” With Brice Laurent. *Third Living Knowledge Conference.* Ecoles des Mines, Paris, August 30-September 1.
3. (2007). “Broader Impacts and the Embedded Humanist.” *Making Sense of the “Broader Impacts” of Science and Technology.* Colorado School of Mines. Golden, Colorado. August 5-7.
4. (2007). “Integrating Societal Considerations and Nanotechnology in the Four Corners Region.” Colorado Nanotechnology Alliance. Denver, Colorado. July 11.‡
5. (2007). “Integrating Science and Society in the Laboratory.” Center for Integrated Nanotechnologies, Los Alamos National Laboratory. Los Alamos, New Mexico. June 27. ‡
6. (2007). “Socio-technical Integration and the Nanotechnology Laboratory.” *Visions about Nanoscience and Technology Workshop.* Katholieke Universiteit Leuven. Leuven, Belgium. June 20.
7. (2007). “Socio-technical Integration at Macro and Micro Levels.” Rathenau Institute, Den Haag, The Netherlands. June 18. ‡
8. (2007). “Drilling Down on US Ethics Policy for Nanotechnology.” Center for Interdisciplinary Research, Bielefeld University, Bielefeld, Germany. June 14.
9. (2007). “Investigating the Implementation of US Ethics Policy for Nanotechnology.” Institute for Technology Assessment and Systems Analysis**.** Karlsruhe, Germany. June 11.
10. (2007). “Engaging the Reflexive Capacity of Nanotechnology Researchers.” *Nanotechnology, Ethics & Sustainability; NANOMAT Conference.* University of Bergen. Bergen, Norway. June 8.
11. (2006). “Current Societal Considerations in Nanotechnology.” Center for Integrated Nanotechnologies, Los Alamos National Laboratory. Los Alamos, New Mexico. November 20. ‡
12. (2006) “Reflecting on the Shape of Nanotechnology Research from Within.” *Annual Meeting of the Society for Social Studies of Science*. Vancouver, B.C. Canada. November 1-5.
13. (2006). “Questioning Utility: What Should Count as Useful Information?” With Elizabeth McNie. *Annual Meeting of the Society for Social Studies of Science*. Vancouver, B.C. Canada. November 1-5.
14. (2006). “From Upstream Engagement to Midstream Modulation: Shaping Technology from Within.” Poster presentation. *Gordon Research Conference on Science and Technology Policy*. Big Sky, Montana. August 13-18.
15. (2006). “Midstream Modulation: US Federal Nanotechnology Policy Implementation.” *TA NanoNed Day*. Utrecht University, Netherlands. July 14.
16. (2006). “Midstream Modulation of Technological Trajectories.” *Trading Zones and Interactional Expertise Workshop*. Arizona State University, Tempe, Arizona. May 21-25.
17. (2006). “Integrating Societal Concerns into R&D: The Midstream Modulation of Nanotechnology.” National Institute for Standards and Technology. Boulder, Colorado. April 19. ‡
18. (2006). “Integrating Societal Concerns into Nanotechnology Research.” Poster Presentation. *CIRES Members’ Council Symposium*. Boulder, Colorado. April 12. ‡
19. (2006). “Integrating Societal Considerations into Nanotechnology.” Center for Science and Technology Policy Research. University of Colorado at Boulder. March 20.
20. (2005). “Integrating Societal Concerns into Nanotechnology Research.” Poster presentation. *CU-NIST Fall Symposium*. Boulder, Colorado. November 14. ‡
21. (2005). “Growing Pains: U.S. Federal Nanotechnology Legislation’s Requirement to Factor Societal Considerations into R&D.” *American Political Science Association Annual Meeting*. Washington, D.C. September 1-4.
22. (2005). “Socially Constructed Nanotechnology: The Next Technology Policy Revolution?” *Society for Philosophy and Technology Annual Meeting*. Delft, Netherlands. July 20-22.
23. (2004). “Race and Worry: Conflicting Trends in U.S. Nanotechnology Research and Development Legislation.” *Annual Meeting of the Society for Social Studies of Science*. Paris, France. August 25-28.
24. (2004). “Dilemmas in nanotechnology: towards a new paradigm for analysis and dialogue.” Deb Bennett-Woods. *Annual Meeting of the Society for Social Studies of Science*. Paris, France. August 25-28.
25. (2004). “Humanistic Engineering and Nanotechnology.” Poster presentation. *Gordon Research Conference on Science and Technology Policy*. Big Sky, Montana. August 15-20.
26. (2003). “Can Science and Ethics be Combined?” *Physics & Astronomy Department Colloquium*. Department of Physics and Astronomy, University of Denver. September 10. ‡

**Teaching Activities**

**Graduate and Professional Short Courses and Workshops (STIR Program)**

1. (2019). “Enhancing Science-Society Connections: high-impact reflection in technical work.” Netherlands National Institute for Public Health and the Environment (RIVM). Bilthoven, The Netherlands. 15 April.
2. (2018). “STIR Methods and Planning Tutorial.” Institute for Social Science. University of Stuttgart. Stuttgart, Germany. 5 December.
3. (2018). Online coaching session for Project Teams. ‘Stirring Up’ TERRITORIES: Integrating Social and Ethical Considerations into Radioecology. 3 December.
4. (2018) “STIR Tutorial.” Institute for Technology Assessment and Systems Analysis. Karlsruhe Institute of Technology. Karlsruhe, Germany. 18 September.
5. (2018). “STIR Tutorial.” Institute for Technology Assessment and Systems Analysis. Karlsruhe Institute of Technology. Karlsruhe, Germany. 6 September
6. (2018). “STIR Tutorial.” Institute for Technology Assessment and Systems Analysis. Karlsruhe Institute of Technology. Karlsruhe, Germany. 4 September
7. (2018). “Integrating Societal Concerns in Logic Modeling.” STIR Course Module. Norwegian University of Science and Technology. Trondheim, Norway. 22 August.
8. (2018). “STIR: Short Course.” Norwegian University of Science and Technology. Trondheim, Norway. 6-9 August.
9. (2018). “Socio-Technical Integration Research: Progress and Coaching.” ‘Stirring Up’ TERRITORIES: Integrating Social and Ethical Considerations into Radioecology. University of Antwerp. Antwerp, Belgium. 14 June.
10. (2018). Socio-Technical Integration Research. [By video.] Responsible and Innovative SMEs in Central Europe Project. 2nd Project Meeting and 2nd Capacity Building Session. Zaged, Croatia. 13 March.
11. (2018). ”STIR Short Course.” NNCI Winter School. Saguaro Lake Ranch, Saguaro Lake, Arizona. January.
12. (2017). D-STIR Project online coaching session. 4 December.
13. (2017). D-STIR Project certification exam. 15 December.
14. (2017). “Socio-Technical Integration Research: Short Course.” ‘Stirring Up’ TERRITORIES: Integrating Social and Ethical Considerations into Radioecology. Belgian Nuclear Research Center. Brussels, Belgium. 20 November.
15. (2017). D-STIR Project online coaching session. 28 March.
16. (2017). Capacity Building Workshop. Danube Framework for Responsible Innovation using Socio-Technical Integration (D-STIR) Project. University of Szeged. Szeged, Hungary. 17-19 July.
17. (2017). Socio-Technical Integration Research: Mini-Training. STIR Cities Project. Tempe, Arizona.10 and 12 July.
18. (2017). Socio-Technical Integration. Center for Nanotechnology in Society Winter School Winter School. Saguaro Lake, Arizona. 6 and 9 January.
19. (2016). Socio-Technical Integration: HSD Extracurricular Seminar. Human and Social Dimensions of Science and Technology PhD Program. Tempe, Arizona. 25 August and 22 September.
20. (2015). Doing STIR: Brief Overview of STIR Methodology. STIR Cities Project. Tempe, Arizona. 24 September and 13 October.
21. (2016). STIR Coaching session / online / Imperial iGem team (Grand Prize winners). August 29.
22. (2016). STIR Workshop 7: Socio-Technical Integration Research Mini-Training. Cardiff, Wales. 26-27 May.
23. (2016). Socio-Technical Integration Research Training Workshop. Tidal Energy Project. Tempe, Arizona. 11-12 May.
24. (2016). Socio-Technical Integration. Center for Nanotechnology in Society Winter School Winter School. Saguaro Lake, Arizona. 4 and 7 January.
25. (2015). Socio-Technical Integration. Center for Nanotechnology in Society Winter School. Saguaro Lake, Arizona. 6, 7 and 10 January.
26. (2015). “Doing STIR: Brief Overview of STIR Methodology.” Department of Science, Technology, and Policy Studies (STePS) Methods Seminar, University of Twente. The Netherlands. 12 August.
27. (2015). “High-Impact Reflection in Research.” MESA+ / MIRA Symposium, University of Twente. 7 July. ‡
28. (2014). STIR Project Workshop 6. University of Waterloo. Kitchener, Ontario. Canada. 9-12 June.
29. (2014). Sonoran SciComm Workshop. Session Leader. Oracle, Arizona. 19-21 July.
30. (2014). What is STS for? What are STS scholars for? Guest Contributor. Netherlands Graduate School of Science, Technology, and Modern Culture Summer School. Soeterbeeck, Ravenstein, The Netherlands. 8 July.
31. (2014). Socio-Technical Integration. Center for Nanotechnology in Society Winter School. Saguaro Lake, Arizona. 5, 7 and 9 January.
32. (2013). Designing Effective Socio-Technical Integration Programs. National Graduate Institute for Policy Studies in Tokyo. Tokyo, Japan. 17 December.
33. (2013). Institutionalising Responsible Research. National Graduate Institute for Policy Studies in Tokyo. Tokyo, Japan. 17 December.
34. (2013). With Brenda Trindad. STIR Project Workshop 5: Recollecting and Recording Stories. Arizona State University. Tempe, Arizona. 20-24 May.
35. (2013). Socio-Technical Integration. Center for Nanotechnology in Society Winter School. Saguaro Lake, Arizona. 4 and 7 January.
36. (2012). Socio-Technical Integration. Center for Nanotechnology in Society Winter School. Saguaro Lake, Arizona.
37. (2011). With David Rejeski. STIR Project Workshop 4: International Network for Responsible Innovation. Woodrow Wilson International Center for Scholars. Washington, D.C. 16-17 February. ‡
38. (2010). STIR Project Workshop 3: Integration Study Comparisons. University of Tokyo. Tokyo, Japan. 24-25 August.
39. (2009). STIR Project Workshop 2: Inquiry as Intervention. Vatnahalsen, Norway. 4-7 July.
40. (2009). STIR Project Workshop 1: Constructing Foundations. Arizona State University. Tempe, Arizona. 17-19 January.
41. (2008). Workshop on Science and Public Values. Photon Project. Biodesign Institute, Arizona State University. 11 April. ‡

**Courses Taught at Arizona State University**

1. 2019 Fall. HSD 540: Responsible Innovation and Research.
2. 2018 Spring. HSD 602: Power and Politics in Science and Technology.
3. 2017 Fall. HSD 601: Human and Social Dimensions of Science and Technology.
4. 2017 Spring. HSD 602: Power and Politics in Science and Technology.
5. 2016 Fall. HSD 601: Human and Social Dimensions of Science and Technology.
6. 2016 Fall. FIS 308: Politics, Markets and Innovation.
7. 2015 Fall. POS 340: History of Political Philosophy I.
8. 2015 Spring. POS 394/SGS 394: Global Environmental Politics.
9. 2014 Fall. POS 294: Science and Democracy.
10. 2014 Spring. POS 394/SGS 394: Global Environmental Politics.
11. 2013 Fall. POS 394/SGS 394: Global Environmental Politics.
12. 2012 Fall. POS 394/SGS 394: Global Environmental Politics.
13. 2012 Spring. POS 598/PAF 591/HSD 503/HON 494: Governing Emerging Technologies.
14. 2011 Fall. POS 394/SGS 394: Global Environmental Politics.
15. 2011 Spring. POS 598/PAF 591/HSD 503/HON 494: Governing Emerging Technologies.
16. 2010 Fall. POS 394: Global Environmental Politics.
17. 2010 Spring. POS 300: Contemporary Global Controversies: Global Environmental Politics.
18. 2009 Fall. POS 300: Contemporary Global Controversies: Science and the Environment.

**Doctoral Dissertation Committees**

1. Chair: Alissa Haddaji, Ph.D. Human and Social Dimensions of Science and Technology. Completed: 2019.
2. Chair: Jason O’Leary, Ph.D. Human and Social Dimensions of Science and Technology (in progress).
3. Chair: Kevin Dwyer, Ph.D. Human and Social Dimensions of Science and Technology (in progress).
4. Chair: Shivam Zaveri, Ph.D. Human and Social Dimensions of Science and Technology (in progress).
5. Co-Chair: Cristian Puga Gonzales, Ph.D. Political Theory (in progress).
6. Miles Brundage, Ph.D. Human and Social Dimensions of Science and Technology. Completed: 2019.
7. John E. Thomas, Ph.D. Sustainable Engineering. Completed: 2017.
8. Emily Molfino, Ph.D. Political Science. Completed: 2014.
9. Shannon Conley, Ph.D. Political Science. Completed: 2014.
10. Michiel van Oudheusden, Ph.D. Political Science. Completed: 2012. University of Antwerp, Belgium.
11. Clare Shelley-Egan, Ph.D. Philosophy of Science, Technology and Society. University of Twente, the Netherlands. Completed: 2011.

**Masters Applied Project and Doctoral 2nd Year Project (2YP) Committees**

1. Chair: Shivam Zaveri, 2YP, Human and Social Dimensions of Science and Technology (in progress).
2. Chair: Kevin Dwyer, 2YP, Human and Social Dimensions of Science and Technology. Completed: 2018.
3. Chair: Alissa Haddaji, 2YP, Human and Social Dimensions of Science and Technology. Completed: 2018.
4. Co-Chair: Mateo Pimental, 2YP, Human and Social Dimensions of Science and Technology. Completed: 2018.
5. Chair: Jason O’Leary, 2YP, Human and Social Dimensions of Science and Technology. Completed: 2017.
6. Chair: Shivam Zaveri, PSM. Science and Technology Policy. Completed 2017.
7. Chair: Jonathan Jacobson, PSM. Science and Technology Policy. Completed: 2015.
8. Chair: Nate McIntyre, PSM. Science and Technology Policy. Completed: 2015.
9. Chair: Cameron Keys, PSM. Science and Technology Policy. Completed: 2012.
10. Chair: Alecia Radatz, MA. Political Science. Completed: 2011.
11. Amanda Hess, Ph.D. Human and Social Dimensions of Science and Technology (in progress).
12. Yvette Gonzales, MA, Global Technology and Development. Completed: 2017.
13. Jason O’Leary, PSM, Science and Technology Policy. Completed: 2011.
14. Kevin Margeson, PSM, Science and Technology Policy. Completed 2011.
15. David Muchlinski, MA, Political Science. Completed: 2010.
16. Antonio Calleja-Lopez, MA, Political Science. Completed: 2010.

**Undergraduate Student Mentoring**

1. Chair: Patrick Orion, Honors Thesis. In progress.
2. Chair: Flora Sarder, BA. Political Science and English. Honors Thesis. Completed: 2011.
3. Hailey Alcaraz, BA. Political Science and Global Studies. Honors Thesis. Completed: 2012.
4. Jesse Shedd, BA. Anthropology. Honors Thesis. Completed: 2012.
5. Linnea Bennett, BA. Political Science. Junior Fellows Program. Completed: 2014.
6. Laine Baker, School of Sustainability. Junior Fellows Program. Completed: 2014.
7. Jordan Menna, BA. Political Science. Junior Fellows Program. Completed: 2011.

**Teaching Honors**

1. Residence Hall Teaching Award, Farrand Program, University of Colorado, Boulder, 2004.
2. Faculty Advisor, Mackison Prize Essay, “The Legal Responsibilities of the EPA for MTBE-Related Problems,” University Writing Program, University of Colorado, Boulder, 2000.
3. Outstanding Professor, Mortar Board National Honor Society, University of Colorado, Boulder, 1998.

**Service to Profession**

**Policy Advice**

1. Member, Genomics & Society Committee of the Board of Directors. Genome British Columbia. 2015-
2. Invited Witness, United States Presidential Commission for the Study of Bioethical Issues, 2014.
3. Expert Advisor, European Commission, 2008, 2011.
4. Member, Pathways to Integration Subcommittee. Genomics, Society and Ethics Advisory Committee. Genome British Columbia, 2010-2011.
5. Expert Advisor, Research Council of Norway, 2010, 2011.
6. Expert Advisor, Colorado Nanotechnology Alliance. 2005-2006.
7. Expert Advisor, Colorado Nanotechnology Roadmap. 2005.
8. Expert Advisor, Colorado Nanotechnology Initiative. 2003-2004.

**Program Committees**

1. Director, Virtual Institute for Responsible Innovation (VIRI). Since 2018.
2. Program Chair, Annual Meeting of the Society for the Study of New and Emerging Technologies (S.NET). 2017.
3. Program Committee Member, Governance of Emerging Technologies Conference.2017.
4. President, Steering Committee. Communities of Integration Network. 2014-2016.
5. Program Committee Co-Chair, with Tom Seager,† Inaugural Communities of Integration Meeting. Arizona State University. Tempe, Arizona. 20-24 May. 2013.
6. Political Anthropology and Sociology Section Chair, Midwest Political Science Association Annual Meeting. 2013.
7. Emerging and Converging Science and Technology Track Co-Chair, Society for Philosophy and Technology Annual Meeting, 2011.

**Scientific Advisory Boards**

1. Advisory Board, Excellence in science and innovation for Europe by adopting the concept of Responsible Research and Innovation (NewHoRRIzon). Institute for Advanced Studies, Vienna. 2019-
2. External Advisory Council. Genetic Engineering and Society Center. North Carolina State University. 2014-
3. External Advisory Board, Developing Innovative Outreach and Dialogue on responsible nanotechnologies in EU civil society (NANODIODE). 2013-2016.
4. Scientific Advisory Board, “Applied Metagenomics of the Watershed Microbiome.” Genome Canada, 2011-2015.

**University Committees**

1. Member, University Graduate Council. Arizona State University. Since 2019.
2. Chair, Human and Social Dimensions (HSD) of Science and Technology PhD Program Steering Committee, 2016-2018.
3. Tenure File Reading Committee, School for the Future of Innovation in Society, Arizona State University, 2016.
4. Chair, Human and Social Dimensions (HSD) of Science and Technology PhD Program Review Committee, School for the Future of Innovation in Society, Arizona State University, 2015-2016.
5. AEP Review Committee, School for the Future of Innovation in Society, Arizona State University, 2015.
6. Undergraduate Committee, School for the Future of Innovation in Society, Arizona State University, 2015-2016.
7. Teaching Assistant of the Year Committee, School of Politics and Global Studies, Arizona State University, 2014-2015.
8. Co-chair, Committee for Online Course and Program Development, Consortium for Science, Policy and Outcomes, 2013-2015.
9. Graduate Committee, School of Politics and Global Studies, Arizona State University, 2013-2015.
10. Graduate Committee, School of Politics and Global Studies, Arizona State University, 2012-2013.
11. Junior Faculty Colloquium Committee, Department of Political Science, Arizona State University, 2010-2011.
12. CSPO World Committee, Consortium for Science, Policy & Outcomes, Arizona State University, 2009-2010.
13. Education and Outreach Implementation Committee, Consortium for Science, Policy & Outcomes, Arizona State University, 2008-2009.
14. Organizing Committee for the Speaker Series, “Studying the Future of Nanotechnology: Establishing Empirical and Conceptual Foundations,” Center for Nanotechnology in Society, Arizona State University, 2006-2007.
15. Organizing Committee, *Policy Sciences Summer Institute*, University of Colorado at Boulder, 2006.
16. Sustainable Technologies Curriculum Development Committee, University of Colorado at Boulder, 2004-2005.
17. EcoArts Course Planning Committee, University of Colorado at Boulder, 2003-2004.
18. Academic Council, College of Engineering and Applied Science, University of Colorado at Boulder, 1999-2003.
19. Chair, Technology and Culture Curriculum Initiative, University of Colorado at Boulder, 2001-2002.
20. Chair, Connections Gallery Oversight Committee, University of Colorado at Boulder, 2001-2002.

**Journal Manuscripts Refereed**

*Global Environmental Politics. Environmental Studies and Sciences. International Journal of Nanotechnology. Journal of Responsible Innovation.*

*Journal of Technology Transfer.*

*Minerva.*

*NanoEthics.*

*New Genetics and Society.*

*Policy Sciences.*

*Regulation & Governance.*

*Research Policy.*

*Review of Policy Research.*

*Science and Engineering Ethics.*

*Science and Public Policy.*

*Science as Culture.*

*Science, Technology and Human Values.*

*Social Epistemology.*

*Social Studies of Science.*

*Technological Forecasting & Social Change.*

**Research Proposal Referee**

1. Committee member, Canadian Institutes of Health Research, Collaborative Health Research Projects: 2018.
2. Panel member, Genomics British Columbia, Societal Issues Program: 2017, 2018.
3. Panel member, National Institutes of Health, BRAIN Initiative: 2017.
4. Panel member, Research Council of Norway: 2010.
5. Reviewer, National Science Foundation: 2008, 2011, 2013, 2014, 2016, 2017, 2018.
6. Reviewer, Research Council of Norway: 2012, 2018.
7. Reviewer, Netherlands Organisation for Health Research and Development (ZonMw): 2016.
8. Reviewer, German Academic Exchange Service, Postdoctoral Researchers International Mobility Experience: 2014.
9. Reviewer, Austrian Science Fund: 2012.
10. Reviewer, French National Research Agency: 2011.

**Book Proposals and Book Chapters Refereed**

1. *Studies of New and Emerging Technologies. Practices of Innovation and Responsibility: Insights form the Methods, Governance and Action.* IOS Press AKA (2015).
2. *Handbook of Science and Technology Studies* (2015).
3. *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society.* John Wiley & Sons Limited (2013).
4. Springer (multiple reviews).

**Review of University Candidates and Programs**

1. (2019). External Reviewer. Tenure case. James Madison University.
2. (2019). External Reviewer. Tenure case. Technical University of Delft.
3. (2018). External Reviewer. Tenure track assistant professor search. Technical University of Munich.
4. (2014). Scrutineer. MPA Program modules. Department of Science, Technology, Engineering, and Public Policy. University College London.

**Conference Submissions Refereed**

1. *Council* *of Engineering Systems Universities (CESUN) 2016 Conference*.
2. *Annual Meeting of the Society for Philosophy and Technology*.
3. *Gordon Research Conference for Science and Technology Policy*.

**Workshops and Conference Sessions Organized**

1. (2018). Virtual Institute for Responsible Innovation (VIRI) Annual Meeting. University of Szeged. Szeged, Hungary. October 4-5.
2. (2015). “Roundtable: Building an agenda for socio-technical integration approaches.” With Kornelia Konrad and Marianne Boenink. *Seventh Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies*. Montreal, Canada. 20 October.
3. (2015). *What’s Next in Socio-technical Intervention Approaches?* With Kornelia Konrad, Marianne Boenink, Verena Stimberg, Bart Walhout. University of Twente. The Netherlands. 22-23 June.
4. (2011). “Integration Research: Sites of Inquiry and Application.” *Third Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies*. Arizona State University. 7-10 November.
5. (2010). “The Ethos of Ethics: Comparing Public and Practitioner Engagement Approaches.” With François Thoreau. *Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies.* Darmstadt, Germany. 9 September - 2 October.
6. (2010). “Socio-Technical Integration Research (STIR) I and II.” *Society for the Social Studies of Science Annual Meeting*. Tokyo, Japan. 25-29 August.
7. (2007). “Engaging Whom? Intervention-Oriented Investigations into R&D and Policy,” *Society for the Social Studies of Science Annual Meeting*. Montreal, Canada. 11-13 October.

**Other Conference and Workshop Participation**

1. (2019). New HoRRIzon Advisory Board and the Management Board meeting. Amsterdam, The Netherlands. October.
2. (2018). “PRISMA Co-Creation Dialogue.” Piloting Responsible Research and Innovation in Industry. Italian National Standards Body. Milan, Italy. 30-31 October.
3. (2018). Public History Workshop. Institute for Technological Futures. Karlsruhe Institute of Technology. Karlsruhe, Germany. September 17.
4. (2017). VIRI Annual Meeting. Arizona State University. Tempe, Arizona. May 15-16.
5. (2017). RRI Practice Workshop. Arizona State University. Tempe, Arizona. February 27.
6. (2016). International Workshop: Imagining the Responsible/Innovative University. University of Nottingham, 8 March.
7. (2012). *Responsible Innovation: A UK-US Dialogue*. Arizona State University D.C. Center. Washington, D.C. 23-24 January.
8. (2011). *Workshop on Responsible Research and Innovation.* European Commission. Brussels, Belgium. May 16-17. ‡
9. (2011). *Science and Technology Studies: The Next Twenty. Conversations within and beyond the Field.* Harvard University. Cambridge, MA. 7-9 April.
10. (2009). *Human Practices Workshop.* University of California at Berkeley. Berkeley, California. 18 May.
11. (2009). *Interdisciplinary Studies of Social and Ethical Implications of Nanotechnology: Bergen 2006-2009. End-of-NANOMAT-Project Conference*. Centre for the Study of the Sciences and the Humanities, University of Bergen. Bergen, Norway. 14-15 December.
12. (2009). *Workshop on Integrating Microethics and Macroethics in Graduate Science and Engineering Education*. Arizona State University. Tempe, Arizona. 26-28 February.
13. (2008). *The Nano Renewable Energy Summit*. Denver, Colorado. 20-22 July. ‡
14. (2007). *Workshop on Ethical Aspects of Nanotechnology*. National Nanotechnology Initiative. Arizona State University. Tempe, Arizona. January.
15. (2006). *Public Participation in Nanotechnology Workshop.* National Nanotechnology Coordination Office. Arlington, Virginia. 30-31 May. ‡
16. (2004). “Women and Science.” *Conference on World Affairs*. University of Colorado. April.
17. (2003). *New Directions in the Humanities and Earth Sciences.* Penn State University. State College, Pennsylvania. October.
18. (2002). *New Directions in the Humanities and Earth Sciences*. Colorado School of Mines. Golden, Colorado. 26-28 September.
19. (2001). *Workshop on Earth Systems Engineering: Toward Developing Sustainable Engineering Solutions in a Complex Natural World*. University of Colorado, Boulder. ‡

**Media Coverage and Public Communications**

1. **Erik Fisher** (2019). Interview from the conference „Integrierte Forschung.“ Available at <https://www.youtube.com/watch?v=DS8lQldTpt0&feature=youtu.be>
2. “Fragen stellen ist der Schlüssel” (“Asking Questions is the Key")(2019). Feature story on Erik Fisher and STIR. Available at <https://www.technik-zum-menschen-bringen.de/service/aktuelles/fragen-stellen-ist-der-schluessel>
3. **Erik Fisher** and Shivam Zaveri STIR, short description (2019). CTA toolbox website: <https://cta-toolbox.nl/tools/STIR/>.
4. Delft Technical University (in production). Prisma Project. Interview with Erik Fisher. Available: <https://drive.google.com/file/d/1M3rPgQIzZnKhNI2Wik-kw1IFhi0VExw3/view?usp=sharing>
5. Institute for Technological Futures (2018). “Podcast: Socio-Technical Integration Research (STIR): Interview with Erik Fisher from Arizona State University.” Interviewed subject. December 15. Available: <http://www.itz.kit.edu/291.php>
6. Institute for Technology Assessment and Systems Analysis (2018). “ITAS Welcomes Guest Researcher from the U.S.” Featured scholar. October 26. Available: <https://www.itas.kit.edu/english/2018_037.php>
7. *OMICS* (2018)*.* “Interview with Prof. Erik Fisher, Arizona State University. Dawn of Responsible Innovation.” Interviewed subject. April 26. Available: doi: 10.1089/omi.2018.0066
8. *State Press* (2018). “Interdisciplinary program attempts to 'STIR' up how research is conducted.” Featured expert. Available: <http://www.statepress.com/article/2018/03/spartcult-stir-embeds-socially-concision-scholars-in-research-labs>
9. *State Press* (2017). “Frankenstein Project is starting conversations about scientific responsibility.” Featured expert. October 25. Available:

<http://www.statepress.com/article/2017/10/spscience-frankenstein-is-used-to-start-conversations-about-scientific-responsibility>

1. **Erik Fisher** (2017). “Socio-Technical Integration for Responsible Innovation.” VIRIpresentation. Available: <https://vimeo.com/222736674> .
2. **Erik Fisher**, Steven Flipse, Kim Stolk (2016). “STIR: Guidelines to perform a Socio-Technical Integration Research Project.” RRI Toolkit. Available: <https://www.rri-tools.eu/>
3. *Future Out Loud* (2016)*.* “Podcast: Responsible Innovation and the Circular Economy.” Featured expert. 9 November. Available at <https://www.thinkdif.co/>
4. **Erik Fisher** (2013). Causing A STIR. *International Innovation,* p. 76.
5. **Erik Fisher** (2013). Midstream Transformation. *International Innovation*, pp. 77-79.
6. **Erik Fisher** (2011).Videos and presentations from the Franco-British workshop on responsible innovation. Available at <https://uk.ambafrance.org/Videos-and-presentations-from-the>
7. **Erik Fisher** and Daniel Sarewitz (2011). “STIR (Socio-Technical Integration Research).” Short film. Consortium for Science, Policy and Outcomes. Available at <https://www.youtube.com/watch?v=feOOT2iI16o&feature=youtu.be>
8. Daniel Sarewitz and **Erik Fisher** (2011). “New Tools for Science Policy.” Short film. Consortium for Science, Policy and Outcomes.
9. Daniel Sarewitz and **Erik Fisher** (2011). “PVM (Public Value Mapping).” Short film. Consortium for Science, Policy and Outcomes.