

REBECCA SLAYTON

Assistant Professor

Department of Science and Technology Studies | Reppy Institute for Peace and Conflict Studies
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EDUCATION

Harvard University Cambridge, MA Department of Chemistry and Chemical Biology <i>Specialization in Physical Chemistry</i>	PhD May 2002 MS May 2000
Westmont College Santa Barbara, CA Department of Chemistry <i>Honors Thesis Distinction in Chemistry; Summa cum laude and Valedictorian</i>	BS May 1996

ACADEMIC APPOINTMENTS

Cornell University Assistant Professor Science & Technology Studies Department Reppy Institute for Peace and Conflict Studies	Sep. 2014—present
Stanford University Public Policy Lecturer, Science & Technology Policy Coordinator Fellow, Center for International Security and Cooperation	Sep. 2013—Aug. 2014
Stanford University Lecturer, Public Policy Program Visiting Scholar, Center for International Security and Cooperation	Sep. 2012—Aug. 2013
University of Edinburgh Institute for Science, Technology and Innovation Arup & Royal Academy of Engineering Senior Research Fellow	June 2012—Aug. 2012
University of Minnesota, Minneapolis History of Science and Technology Program Visiting Assistant Professor	Sep. 2011—May 2012
Stanford University Program in Science, Technology, and Society Lecturer and Honors Program Director	Sep. 2005—Aug. 2011

Stanford University Center for International Security and Cooperation Postdoctoral Fellow	Sep. 2004–Aug. 2005
Massachusetts Institute of Technology Program in Science, Technology, and Society Postdoctoral Fellow	June 2002–Aug. 2004
Massachusetts Institute of Technology Department of Chemistry Visiting Scientist	Sep. 1997–May 2002

RESEARCH PUBLICATIONS—SOCIAL SCIENCES

[“Radical Innovation in Scaling Up: Boeing’s Dreamliner and the Challenge of Socio-technical Transitions,”](#) (with Graham Spinardi) *Technovation* (September 2015).

“Black-Boxing the Cult of the Cyber-Offensive,” Submitted to *International Security* for review, July 2015.

“Accounting for Computer Security: Metrics and the Ambivalence of Risk Assessment,” *IEEE Annals in the History of Computing*, April-June 2015.

“Military-Industrial Complex,” *Dictionary of American History, Supplement: America in the World, 1776 to the Present*, in press, MacMillan, 2015.

“Greener Aviation: Take-off (Delayed): Analyzing Environmental Transitions with the Multi-level Perspective,” (first author with co-author Graham Spinardi), *Science & Technology Studies*, 2015, 28(1): 28-51.

“The Fallacy of Proven and Adaptable Defenses,” Federation of American Scientists *Public Interest Report*, Summer 2014.

[Arguments that Count: Physics, Computing, and Missile Defense, 1949-2012](#) (Cambridge: MIT Press, 2013). **Winner of the 2015 Computer History Museum Book Prize.**

“Scaling Up: Composite Materials and the Challenge of Sustainable Aviation,” under review at *Research Policy* (September 2013).

[“Efficient, Secure Green: Digital Utopianism and the Challenge of a ‘Smart’ Grid,”](#) *Information and Culture*, 2013, 48(4): 448-478.

[“From a ‘Dead Albatross’ to Lincoln Labs: Applied Research and the Making of a ‘Normal’ Cold War University,”](#) *Historical Studies in the Natural Sciences* 2012, 42(4): 255-282.

[“Sociotechnical Challenges of Implementing an Interoperable Personal Health Record: Lessons Learned,”](#) with Gregory Gaskin (first author), Christopher A. Longhurst, and Amar Das, *Applied Clinical Informatics*, Oct 2011, 2(4), 406-419.

[“From Death Rays to Light Sabers: Making Laser Weapons Surgically Precise,”](#) *Technology and Culture*, January 2011, 52(1): 1-30.

“Disciplining Technopolitics: Physics, Computing, and the ‘Star Wars’ Debate,” in *Scientific Cultures, Technological Challenges*, Klaus Benesch, Meike Zwingenberger (Eds) Winter Heidelberg, 2009, 221-239.

[“Revolution and Resistance: Rethinking Power in Computing History,”](#) *Annals of the History of Computing*, January-March 2008, 30(1): 96-97.

[“Discursive Choices: Boycotting ‘Star Wars,’ Between Science and Activism,”](#) *Social Studies of Science*, February 2007, 37(1): 27-66.

[“Speaking as Scientists: Computer Professionals in the Star Wars Debate.”](#) *History and Technology*, Winter 2004, 19(4): 335-364.

RESEARCH PUBLICATIONS—PHYSICAL SCIENCES

[“Opening Lab Doors to High School Students: Keys to a Successful Engagement.”](#) *Physics Education*, 2005, 40(4): 347-354. (First authored with K. A. Nelson).

[“Picosecond acoustic transmission measurements, Part I: Transient grating generation and detection of acoustic responses in thin metal films.”](#) *Journal of Chemical Physics*, February 2004, 120(8): 3908-3918. (First authored with K. A. Nelson).

Reprinted in the *Virtual Journal of Ultrafast Science*, March 2004.

[“Picosecond acoustic transmission measurements, Part II: Probing high frequency structural relaxation in supercooled glycerol.”](#) *Journal of Chemical Physics*, February 2004, 120(8): 3919-3930. (First authored with K. A. Nelson).

Reprinted in the *Virtual Journal of Ultrafast Science*, March 2004.

“Developing a transient grating technique to probe fast acoustic dynamics in liquids.” Ph.D. Thesis, Harvard University, 2002.

[“Transient grating measurements of film thickness in multi-layer metal films.”](#) *Journal of Applied Physics*, November 2001, 90(9): 4392-4402. (First authored with A. A. Maznev, and K. A. Nelson).

[“Time-resolved mid-infrared spectroscopy: methods and biological applications.”](#) *Current Opinion in Structural Biology*, October 1997, 7(5): 717-721. (First authored with P. A. Anfirud)

[“Photochemistry of trans-stilbene adsorbed on Al₂O₃ \(0001\).”](#) *Journal of Physical Chemistry*, September 1996, 100(38): 15551-15554. POIP (First authored with N. R. Franklin, and N. J. Tro)

[“Desorption Kinetics and Adlayer Sticking Model of N-Butane, N-Hexane, and N-Octane on Al₂O₃\(0001\).”](#) *Journal of Physical Chemistry*, February 1995, 99(7): 2151-2154. (First authored with C. M. Aubuchon and T. L. Camis)

BOOK REVIEWS

David K. Hecht, *Storytelling and Science: Rewriting Oppenheimer in the Nuclear Age* (University of Massachusetts Press, 2014). Review for *The Journal of American History*, forthcoming.

Stephen C. Sambrook, *The Optical Munitions Industry in Great Britain*, (London: Pickering & Chatto Publishers, 2013) *Technology and Culture*, *Technology and Culture*, January 2014; 55(2):497-499.

Review of Christopher Bright, *Continental Defense in the Eisenhower Era* (New York: Palgrave McMillan, 2010), *Technology and Culture*, October 2012, 39(4): 31-32.

“An Instrumental Concept,” Review Essay, Cyrus Mody, *Instrumental Community* (Cambridge: MIT Press, 2012), *Social Studies of Science*, October 2012, 42(5): 788-793.

“Evaluating Judgment,” Review of Istvan Hargittai, *Judging Edward Teller: A Closer Look at One of the Most Influential Scientists of the Twentieth Century* (Prometheus Books, 2010), *Technology and Culture*, April 2012, 53(2).

“Thin Description of a Thick Debate,” Review of Jacquelyn Bird, *Scientists in Conflict* (Claremont: Regina Books, 2008), *The Review of Politics*, Spring 2010, 72(2): 348-351.

Review of Tara Brabazon, *University of Google* (Ashgate, 2007), *International Review of Modern Sociology*, Fall 2008, 34(2): 295-297.

Review of Peter Cotgreave, *Science for survival: scientific research and the public interest* (2003), in *Science and Public Policy*, April 2005.

PRESENTATIONS

“Postwar Technological Leadership: Models from the History of Computing,” Panel Discussant and Chair,” Organization of American Historians, April 7-10, 2016 (pending).

“Efficient, Secure, Green: Digital Utopianism and the Challenge of Making the Grid Smart,” American Society for Environmental History Annual Meeting, Washington, DC, March 19-22, 2015.

“Arguments that Count: Physics, Computing, and Missile Defense.” Invited talk for the German Physical Society Annual Meeting, Berlin, Germany, March 17, 2015.

“The ‘Heroic Age’ of Geology,” Guest lecture in Science in Western Civilization: Newton to Darwin, Darwin to Einstein, Cornell University, March 12, 2015.

“Efficient, Secure, Green: Digital Utopianism and the Challenge of Making the Grid Smart,” Society for the History of Technology Annual Meeting, Dearborn, MI, Nov. 6-9, 2014.

“Quantifying Security: Product Evaluations, Risk Assessment, and the Automation of Judgment,” Paper presented at the Charles Babbage Institute workshop on the History of Computer Security, July 11-12, 2014.

- “Information for Power: Risk Management, Cybersecurity, and the Electrical Power Grid,” Presentation at the Center for International Security and Cooperation (CISAC), Stanford University, May 19, 2014.
- “Risky Analogies: Extending Nuclear Expertise to Cyber Strategy,” International Studies Association, Toronto, March 26-29, 2014.
- “Efficient, Secure, Green: Digital Utopianism and the Challenge of Making the Grid Smart,” Annual Meeting of the Society for the Social Study of Science, San Diego, CA, Oct. 2013.
- “Efficient, Secure, Green: The Shifting Logics of Smart Grids,” Invited talk for the University of Minnesota’s History of Science and Technology Program, April 2012.
- “No Accounting for Carbon,” 4S Annual Meeting, Cleveland, OH, Nov. 5, 2011.
- “From Death Rays to Light Sabers,” SHOT Annual Meeting, Tacoma, Washington, Oct. 1, 2010.
- “The Unclosed World: Information Technology for Counterterrorism,” 4S Annual Meeting, Washington, D.C., October 30, 2009.
- “Understanding Engineering Communities: What Role for Network Analysis?” Invited Paper for the Science, Technology, and Society Department Seminar, Virginia Tech, Oct. 23, 2009.
- “Contrary Networking: The Political Economy of Software Engineering,” Society for the History of Technology Annual Meeting, Special Workshop in Honor of Michael Mahoney, October 18, 2009.
- “Programmers, Managers, and Defense Dollars: The Contrary Networking of “Software Engineering” Invited Talk for the CISAC Research Seminar, Stanford, Oct. 15, 2009.
- Catastrophic Failures and Technical Progress: Risk Communication in Software History,” Invited Talk for the UCSF-Berkeley History of Science Colloquium, Nov. 5 2007.
- “The Politics of Progress: Risk Communication in the History of Computing,” Annual Meeting of the Society for the History of Technology, Oct. 18-21, 2007.
- “Risk Communication in Software Engineering: From “Activism” to “Professional Responsibility,”” Invited Paper for the Workshop on Knowledge in Contention, Cornell, Oct. 4-6 2007.
- “Calculated Risks? Scientific Expertise and the Problem of Missile Defense,” University of British Columbia, Liu Institute for International Studies, Nov. 6, 2006.
- “Challenging the System: Scientists and the Political Engagement on Missile Defense in the Long ‘60’s,” Policy History Conference, Charlottesville, VA, June 1-4, 2006.
- “Calculated Risks? Expertise, Computing, and Closure on Missile Defense,” Bovay Seminar on Ethics and Engineering, Cornell University, April 12 2006,
- “Opening Pandora’s Black Box: Information Technology in the ‘War on Terrorism,’” International Studies Association Annual Convention, San Diego, CA, March 24, 2006.
- “Calculated Risks? Computing and the Problem of Missile Defense,” Society for the Social Studies of Science, Pasadena, CA, October 2005.

“Expert Discourse on Star Wars: The Medium and the Message.” STS (R)evolutions conference, Virginia Tech, March 17-20, 2005.

“Students in the Lab.” Paper presented for the Harrison Spectroscopy Laboratory, Massachusetts Institute of Technology, Cambridge, MA, January 19 2005.

“Boycotting Star Wars: Between Science and Activism.” History of Science Society Annual Meeting, Austin, TX, November 18-21, 2004.

“Experts on Defense: Physicists and Computer Professionals in Security Debates.” Paper presented in the Science, Technology, and Public Policy Program, Kennedy School of Government, Harvard University, Cambridge, MA, March 9, 2004.

“Speaking as Scientists: Computer Professionals in the Star Wars Debate.” Annual Meeting of the Society for the History of Technology, Atlanta, GA, Oct. 16-19, 2003.

PANELS, SEMINARS, AND WORKSHOPS ORGANIZED

Co-organizer, Panel on “How does Technical Expertise Travel? Political and Technological Determinants of Scientific Authority,” International Studies Association Annual Meeting, Toronto, March 2014.

Co-Organizer, Panel on “Paradoxes of Quantification,” Society for the Social Studies of Science (4S) Annual Meeting, Cleveland, OH, November 2-5, 2011. Organized (with Daniel Hirschman and Fiona Greenland) a two-part panel featuring eleven scholars.

Chair, Panel on “Infrastructure(s) and the Fukushima Earthquake: A Roundtable on Emergencies, Nuclear and Otherwise,” Society for the History of Technology (SHOT) Annual Meeting, Cleveland, OH, November 3-6, 2011. Organized by Paul Edwards and Gabrielle Hecht, this panel includes four papers.

Chair, Panel on “Insider and Outsider Communities in the History of Computing,” Computers in Society Special Interest Group Workshop, Cleveland, OH, November 6, 2011. Panel features four young scholars discussing the politics of computing.

Cofounder and Chair, Stanford Seminar in Science, Technology and Society, 2006-2011. Co-initiated (with Sonja Schmid) the STS Seminar series, and continue to organize and moderate the seminar. The initial series, launched in the spring quarter of 2006, featured ten prominent speakers from across the U.S. It has continued to draw international scholars and audiences together at a rate of approximately fifteen seminars per year.

Panelist, Roundtable on Computers, Information and Society in the Classroom, Workshop of the Special Interest Group on Computers, Information, and Society, at The Annual Meeting of the Society for the History of Technology, Washington D.C. October 3, 2010. Panelists included Nathan Ensmenger, Andrew Russell, and Rebecca Slayton.

Co-organizer, Panel on STS and International Security Studies, 4S Annual Meeting, Washington, D.C., October 30, 2009. This three-part panel, co-organized with Hugh Gusterson and

Allison Macfarlane, featured sixteen scholars from around the world. The three panels included, “Constructing terror and its antidotes,” “War and imagination,” and “STS, Policy and International Security.”

Organizer, Panel on “The Public Politics of Computing: Tacit, Explicit, and Unresolved Commitments,” Society for the History of Technology Annual Meeting, Washington D.C October 18-21, 2007. Panelists included Janet Abbate, Nathan Ensmenger, Paul Edwards, Ronald Kline, Eden Medina, and Rebecca Slayton.

Co-organizer, Panel on “Black Boxed Security,” 4S Annual Meeting, Vancouver, B.C., November 1-5, 2006. Organized (with Sonja Schmid) a two-part panel featuring eight scholars presenting work on international security studies and STS.

Co-organizer, Panel on “The Politics and Technology of Ballistic Missile Defense: the Struggle to achieve Closure,” 4S Annual Meeting, Pasadena, CA, October 2005. With Graham Spinardi, helped locate panel members and submit the proposal for a panel that ultimately included five scholars.

Organizer, Writing Workshop, Science, Technology, and Society Program, MIT, 2003-04. Workshops provided graduate students and postdoctoral fellows a forum to present, critique, and improve works in progress, often with the input of faculty mentors. Scheduled presentations, coordinated paper circulation, and led discussions.

Co-organizer, *Modern Physical Science and the State* Joint Atlantic Seminar in the History of the Physical Sciences (JASHOPS), Cambridge MA September 19-21, 2003. Reviewed and selected abstracts, helped with publicity, requesting and administering travel grants, and arranging accommodations for conference participants.

SELECTED GRANTS AND AWARDS

National Science Foundation CAREER award, “Enacting Cybersecurity Expertise,” submitted July 2015.

Department of Homeland Security grant for a partnership in a Center of Excellence for Critical Infrastructure Resilience. (Awarded August 2015).

Cornell Professional Development Grant, February 2015. \$858 to partially support travel for meetings with cybersecurity scholars Sandro Gaycken (Berlin) and Myriam Dunn-Cavelty (Zurich).

Cornell Institute for Social Science Small Grant, November 2014. \$8910 award to support pilot phase of the research project, “Organizing Risk Management.”

SCORE (Strengthening the Core) Academic Innovation Grant, Stanford University, July 2014. Award to support the development of science and technology policy roundtables in the Public Policy Program.

Association for Computer Machinery (ACM) History Committee Research Prize, 2014. \$4,000 award to support a proposed research project entitled, “Measuring Security: ACM and the History of Computer Security Metrics.”

Vice-Provost for Undergraduate Education, Stanford University, 2008-09. \$9,000 award to support the Senior Capstone Enhancement Project in the Science Technology, and Society Program. Initiated with the support of Professor Robert McGinn.

CISAC Science Fellowship, Stanford University, 2004-05. Eleven month research fellowship awarded for proposal entitled *Encoding Security Risks: Command and Control for Missile Defense*.

National Science Foundation Postdoctoral Fellowship, 2002-2004. Two year retraining fellowship awarded for proposal entitled *Public Science: Discourse on the Strategic Defense Initiative, 1983-1988*. Research and retraining was conducted with MIT Professors and Principle Investigators David Kaiser, and Hugh Gusterson.

Mass Media Science and Engineering Fellowship, 2000. Summer internship completed at the Sacramento Bee, as part of the American Association for the Advancement of Science, Mass Media Fellows Program.

National Science Foundation Graduate Research Fellowship, 1997-2000. Awarded for a research proposal, *Time-Resolved Infrared Studies of Structure-Function Relationships in Proteins*.

Senior Achievement Award, Westmont College, 1996. Awarded to the senior with the highest cumulative academic record in his or her graduating class.

Clifford Benton Award, Westmont College, 1992. Awarded to most promising incoming freshman chemistry major

COURSES TAUGHT

Cornell University

What is Science, Fall 2014, Fall 2015

Making Things Nuclear, Spring 2015

Cybersecurity and Trust, Spring 2015, Fall 2015.

Stanford University

Senior Practicum: Conducting Policy Analysis for Local Agencies, Spring 2013

Science and Technology Policy, Fall 2012 and 2013

Technology Policy, Winter 2013 and 2014

Senior Research Seminar, Fall, Winter, Spring 2009 and 2010

Junior Research Seminar, Spring 2006, 2007, Winter 2008, 2009, 2010

Imagining the Computer, Wiring the World, Spring 2008, 2009, 2010

Controversy and Closure: The Politics of Technical Expertise, Winter 2006, 2007

Science and Technology in the Security State, Winter 2006

Technology in Modern Security Discourse, Fall 2005, 2006

University of Minnesota

Making Things Nuclear, Spring 2012

Technology in American Culture, Spring 2012

Ethics in Science and Technology, Fall 2011

Harvard University

The Einstein Revolution, Teaching Fellow for Peter Galison, Spring 2003

Experimental Physical Chemistry, Teaching Fellow for Philip Anfinrud, Spring 1997

General Chemistry, Teaching Fellow for James Davis, Fall 1996

Massachusetts Institute of Technology

Statistical Mechanics, Teaching Assistant for Keith Nelson, Fall 1998.

Westmont College

Physics for Scientists and Engineers; Introductory Mathematics; Astronomy; Organic chemistry; General Chemistry, Teaching Assistant, 1993-1995.

Writing Advisor. Assisted students in writing and research by editing and discussing work for a wide range of courses, 1993-1994.

INNOVATIVE CURRICULUM DEVELOPMENT

STS Senior Capstone Project Director, Stanford University, 2008-2011.

Enhancing the capstone experience of seniors majoring in Science, Technology, and Society. Project leadership included initiating, writing, and winning a grant proposal to enhance teaching; integrating senior paper writing with a new online journal; establishing a rubric for grading all senior papers; establishing a committee paper grading system; participating in paper evaluation; evaluating the effectiveness of the process; recommending specific improvements for future curriculum; and helping hire

qualified instructors and graders.

STS Honors Program Director, Stanford University, 2005-2011.

Raising the quality of honors research in Science, Technology, and Society. This includes course development, networking with alumni, and improving publicity. It also includes developing new student resources, such as a step-by-step guide for writing STS research proposals, guidelines for finding and working with faculty mentors, a database of past honors theses and undergraduate research proposal, and a senior-level seminar to guide students to completion of the honors thesis.

Lambda Project Director, Massachusetts Institute of Technology, 2002– 2004.

The Lambda project aimed to help high school students in local underserved communities gain a better understanding of basic physics and hands-on experience with modern laboratory equipment. Initial development of this teaching laboratory included laboratory renovation, building modern spectroscopic experiment, creating appropriate pedagogical materials, a website, and coordinating with local high school teachers and administrators. Ongoing responsibilities included working with students on a weekly basis, grant writing, and continued outreach.

STUDENT RESEARCH ADVISED

Alex Davies, independent major combining cybersecurity and international relations (2014-present)

Brian Clarke, Science & Technology Studies Doctoral Program, Cornell University (2015-Present)

Annie Tomlinson, History Department PhD Program, Cornell University (2015-Present)

Bonnie Gidzak, University of Minnesota History of Science and Technology Program (Outside committee member, 2012-present)

Danny Crichton, "Academic Revolution and Regional Innovation: Computer Science at Stanford 1957-1970," 2011. ***Firestone Award for Excellence in Undergraduate Research.***

Clare Bennett, "YouTube and Cultural Embargo: Internet Censorship and Public Disillusionment in Turkey," 2011.

Irys Kornbluth, "Technology, Design and Cultural Identity: The Globalization of Turkish Textiles and Apparel," 2011.

Diana Munoz, "How Long is the Wait? Minority Perception of Health Care in Stanford's Pediatrics Clinic," 2011.

Greg Gaskin, "An Ethnographic Analysis of Electronic Personal Health Records," 2010. ***Firestone Award for Excellence in Undergraduate Research.***

Anarghya Vardhana, "The Political Economy of Cell Phones in Rural India," 2010. ***Vincenti Prize for Excellence in STS Research.***

Anna Khan, "Islam and the Internet," 2010.

- James Xie, “Bringing Electronic Health Records to Underserved Communities,” 2010.
- Alicia DeSantola, “Unanticipated Consequences: Eisenhower, Kennedy and the Road to the Indian Atomic Bomb,” 2009. **Vincenti Prize for Excellence in STS Research.**
- Chenxing Han, “A Bricolage of Stories from Cape Town: Challenging the Discourse of Mobile Phones for Development,” 2009. **Award for Excellence in Undergraduate Research in Anthropology.**
- Jessie Holland, “Striking a Balance between Good, Clean, and Fair: Technology and the Slow Food Movement,” 2009.
- Jessica Richman, “An Analysis of Decision-Making in Venture Capital,” 2009.
- Francisco Cendejas, “Information Technology in American Organized Labor: How Innovation Can Revitalize Union Organizing in America,” 2008.
- James Pade, “Establishing a Nationally Managed Center of Trust: A Cross-National Comparison of Biometric Identification Card Programs,” 2008.
- Lee Trope, “Preventing Cervical Cancer: Stakeholder Attitudes Toward FastHPV-Focused Screening Programs In Roi-Et Province, Thailand,” 2008. **Firestone Award for Excellence in Undergraduate Research.**
- Daisy Chung, “Environmental Reporting in the Automotive Industry: Reactions to Changing Institutional Pressures,” 2007.
- Aditya V. K. Berlia, “An Issue of Quality: The Indian Higher Education System and Software Engineering,” 2006.
- Ariane Cornell, “Sino-American Relations in Space: Competition, Cooperation, or Coopetition?” 2006.
- Jonathan Pearlstein, “Implementing Electronic Health Records in Ambulatory Care Organizations: Expectations, Perceptions and Conflicts,” 2006. **Firestone Award for Excellence in Undergraduate Research.**

SERVICE AND OTHER PROFESSIONAL ACTIVITIES

- Area Editor, *ACM Computers & Society*, 2015-present.
- Program Committee, International Federation for Information Processing Working Group 9.7 (History of Computing) Conference, 2015-2016.
- Editorial Board, *Information and Culture*, June 2015-present.
- Roles and Controls Panel, Center for Internet Security (formerly Council on Cybersecurity), 2014-present.
- Computer History Museum Book Prize Committee, 2012-2014. Committee chair for 2013.
- Energy Innovation and Emerging Technologies Professional Certificate, Stanford University Center for Professional Development (2013)

Robinson Prize Committee, Society for the History of Technology (SHOT), 2010-2012. The Joan Cahalin Robinson Prize is awarded for the best-presented paper by one young scholar presenting work at a SHOT annual meeting for the first time.

Founding Editor of *Intersect: The Stanford Journal of Science, Technology, and Society*, an undergraduate journal that is part of the Public Knowledge Project (see <http://www.stanford.edu/group/publicknowledge/cgi-bin/ojs/sts-journal/index.php?journal=intersect>)

Referee for MIT Press, *Social Studies of Science, Science and Public Policy, Science as Culture*.

Freshman Advisor, Stanford University, 2007-09. Advised eight Stanford freshmen on choosing a major, developing good work habits, and other basic academic skills.

Freelance Writer for *Physical Review Focus*, 2001. Summarized research from *Physical Review Letters*, for general audiences. See archived articles at <http://focus.aps.org/>.

Science Reporter for *The Sacramento Bee*, Sacramento, CA, 2000. Published eleven stories in ten weeks, ranging from front page articles and in-depth feature pieces to stories turned around on a daily basis. Clips are available on request.