

Stefan Helmreich
Curriculum Vitae

Anthropology
Massachusetts Institute of Technology
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Academic Positions

- 2011-present Elting E. Morison Professor, Anthropology, School of Humanities, Arts, and Social Sciences, Massachusetts Institute of Technology.
2004-10 Associate Professor, Anthropology, Massachusetts Institute of Technology.
2003-04 Assistant Professor, Anthropology, Massachusetts Institute of Technology.
2002-03 Visiting Scholar, Pitzer College, Claremont University Consortium.
1999-2002 Assistant Professor, Science and Society, John W. Draper Interdisciplinary Master's Program in Humanities and Social Thought, New York University.
1997-99 Lecturer, Anthropology, Stanford University Program in Cultures, Ideas, Values.
1996-97 Rockefeller Foundation Humanities External Faculty Fellow, Center for Critical Analysis of Contemporary Culture, Rutgers University.
1995-96 Postdoctoral Associate, Science and Technology Studies, Cornell University.

Education

- 1995 Ph.D., Anthropology, Stanford University
1992 M.A., Anthropology, Stanford University
1989 B.A., Anthropology, University of California at Los Angeles, *summa cum laude*

Academic Honors, Awards, and Fellowships

- 2010 American Ethnological Society Senior Book Prize, American Anthropological Association, for *Alien Ocean*.
2010 Gregory Bateson Book Prize, Society for Cultural Anthropology, American Anthropological Association, for *Alien Ocean*.
2010 Institute for Advanced Studies Distinguished Fellowship, Durham University, and Prowse Fellowship, Van Mildert College, Durham, United Kingdom.
2009 Andrew W. Mellon Foundation Grant to fund a 2010-2011 Sawyer Seminar on the Comparative Study of Cultures entitled "Sensing the Unseen"(with Heather Paxson).
2009 James A. and Ruth Levitan Award for Excellence in Teaching in the School of Humanities, Arts, and Social Sciences, MIT.
2006 MIT's James A. and Ruth Levitan Research Prize in the Humanities.
2003 Individual Research Grant. Wenner-Gren Foundation for Anthropological Research.
2001 Diana Forsythe Book Prize, Committee on the Anthropology of Science, Technology & Computing, American Anthropological Association, for *Silicon Second Nature*.
1995 Nicholas Mullins Award for Outstanding Graduate Scholarship in Science and Technology Studies, given by the Society for Social Studies of Science.
1995 Melvin and Joan Lane Graduate Fellowship in the History of Science.
1994 Dissertation Resident Fellowship at the Stanford Humanities Center.
1993 National Science Foundation Dissertation Research Grant.
1990 National Science Foundation Three Year Graduate Fellowship.
1988 Phi Beta Kappa, UCLA

Publications

Books

- 2009 *Alien Ocean: Anthropological Voyages in Microbial Seas*. Berkeley: University of California Press.
- 1998 *Silicon Second Nature: Culturing Artificial Life in a Digital World*. Berkeley: University of California Press (Updated Paperback Edition with a New Preface, 2000).

Articles in Refereed Journals

- 2012 Extraterrestrial Relativism. In “Extreme: Limits and Horizons of the Once and Future Cosmos,” Debora Battaglia, David Valentine, and Valerie Olson, eds., special issue of *Anthropological Quarterly*, forthcoming.
- 2012 Sound Studies Meets Deaf Studies (with Michele Friedner). *The Senses & Society* 7(1), in press.
- 2011 From Spaceship Earth to Google Ocean: Planetary Icons, Indexes, and Infrastructures. In “Image as Action, Image in Action,” special issue of *Social Research* 78(4), in press.
- 2011 What Was Life? Answers from Three Limit Biologies. *Critical Inquiry* 37(4):671-696.
- 2011 Nature/Culture/Seawater. *American Anthropologist* 113(1):132-144.
- 2010 Human Nature at Sea. *Anthropology Now* 2(3):49-60.
- 2010 The Emergence of Multispecies Ethnography (with S. Eben Kirksey, co-editor of special issue on “Multispecies Ethnography”). *Cultural Anthropology* 25(4):545-575.
- 2010 Life Forms: A Keyword Entry (with Sophia Roosth). *Representations* 112:27-53.
- 2008 Species of Biocapital. *Science as Culture* 17(4):463-478.
- 2007 An Anthropologist Underwater: Immersive Soundscapes, Submarine Cyborgs, and Transductive Ethnography. *American Ethnologist* 34(4):621-641. To be reprinted in *The Sound Studies Reader*, Jonathan Sterne, ed. New York: Routledge, 2012.
- 2007 Blue-Green Capital, Biotechnological Circulation and an Oceanic Imaginary: A Critique of Biopolitical Economy. *BioSocieties* 2(3):287-302.
- 2007 “Life is a Verb”: Inflections of Artificial Life in Cultural Context. *Artificial Life* 13(2): 189-201.
- 2006 The Signature of Life: Designing the Astrobiological Imagination. *Grey Room* 23(4):66-95.
- 2005 How Scientists Think; About ‘Natives,’ for Example: A Problem of Taxonomy among Biologists of Alien Species in Hawaii. *The Journal of the Royal Anthropological Institute, Incorporating MAN* 11(1):107-127.

- 2003 A Tale of Three Seas: From Fishing through Aquaculture to Marine Biotechnology in the Life History Narrative of a Marine Biologist. *Maritime Studies* 2(2):73-94.
- 2003 Trees and Seas of Information: Alien Kinship and the Biopolitics of Gene Transfer in Marine Biology and Biotechnology. *American Ethnologist* 30(3):340-358.
- 2001 After Culture: Reflections on the Apparition of Anthropology in Artificial Life, a Science of Simulation. *Cultural Anthropology* 16(4):613-628.
- 2001 Artificial Life, Inc.: Darwin and Commodity Fetishism from Santa Fe to Silicon Valley. *Science as Culture* 10(4):483-504.
- 2000 Flexible Infections: Computer Viruses, Human Bodies, Nation-States, Evolutionary Capitalism. *Science, Technology, and Human Values* 25(4):471-490.
- 2000 Power/Networks: A Rejoinder to Lansing. *Critique of Anthropology* 20(3):319-327.
- 1999 Digitizing "Development": Balinese Water Temples, Complexity, and the Politics of Simulation. *Critique of Anthropology* 19(3):249-266.
- 1998 Recombination, Rationality, Reductionism, and Romantic Reactions: Culture, Computers, and the Genetic Algorithm. *Social Studies of Science* 28(1):39-71.
- 1997 The Spiritual in Artificial Life: Recombining Science and Religion in a Computational Culture Medium. *Science as Culture* 6(3):363-395.
- 1992 Kinship, Nation, and Paul Gilroy's Concept of Diaspora. *Diaspora: A Journal of Transnational Studies* 2(2):243-249. Reprinted in *Globalization: Critical Concepts in Sociology*, Vol. 3. Roland Robertson and Kathleen E. White, eds. Pp. 461-467. London: Routledge, 2003.

Chapters in Edited Volumes

- 2011 Underwater Music: Tuning Composition to the Sounds of Science. In *The Oxford Handbook of Sound Studies*. Karin Bijsterveld and Trevor Pinch, eds. Pp. 151-175. Oxford: Oxford University Press.
- 2009 Intimate Sensing. In *Simulation and Its Discontents*. Sherry Turkle, ed. Pp. 129-150. Cambridge: MIT Press.
- 2007 The SX-70 Camera. *Evocative Objects: Things We Think With*. Sherry Turkle, ed. Pp. 208-215. Cambridge: MIT Press.
- 2007 An Archaeology of Artificial Life, Underwater. In *Genesis Redux: Essays in the History and Philosophy of Artificial Life*, Jessica Riskin, ed. Pp. 321-333. Chicago: University of Chicago Press.
- 2005 Sex on the Brain: A Natural History of Rape and the Dubious Doctrines of Evolutionary Psychology (with Heather Paxson). In *Why America's Top Pundits Are Wrong: Anthropologists Talk Back*. Hugh Gusterson and Catherine Besteman, eds. Pp. 180-205. Berkeley: University of California Press. Reprinted in *Readings for a History of Anthropological Theory*, third edition. Paul A. Erickson and Liam D. Murphy, eds. Pp. 565-583. Toronto, ON: University of Toronto Press, 2010.

- 2004 The Word for World Is Computer: Simulating Second Natures in Artificial Life. In *Growing Explanations: Historical Perspectives on the Sciences of Complexity*. Norton Wise, ed. Pp. 275-300. Durham, NC: Duke University Press.
- 2003 Life@Sea: Networking Marine Biodiversity into Biotech Futures. In *Remaking Life and Death: Toward an Anthropology of the Biosciences*. Sarah Franklin and Margaret Lock, eds. Pp. 227-259. Santa Fe, NM: School of American Research Press.
- 2001 Kinship in Hypertext: Transubstantiating Fatherhood and Information Flow in Artificial Life. In *Relative Values: Reconfiguring Kinship Studies*. Sarah Franklin and Susan McKinnon, eds. Pp. 116-143. Durham, NC: Duke University Press.
- 1998 Replicating Reproduction in Artificial Life: or, the Essence of Life in the Age of Virtual Electronic Reproduction. In *Reproducing Reproduction: Kinship, Power, and Technological Innovation*. Sarah Franklin and Helena Ragoné, eds. Pp. 207-234. Philadelphia: University of Pennsylvania Press.
- 1992 The Historical and Epistemological Ground of von Neumann's Theory of Self-Reproducing Automata and Theory of Games. In *Toward a Practice of Autonomous Systems: Proceedings of the First European Conference on Artificial Life*. Francisco Varela and Paul Bourguine, eds. Pp. 385-391. Cambridge: MIT Press.

Book Reviews and Commentary

- 2012 In the Electromagnetic Sea. Comment on Laurent Grasso's HAARP Project. In *AR – Artistic Research*. Ute Meta Bauer and Thomas D. Trummer, eds. Paris: Jeu de Paume, forthcoming.
- 2011 Comment on "Biosemiosis, Technocognition, and Sociogenesis: Selection and Significance in a Multiverse of Sieving and Serendipity," by Paul Kockelman. *Current Anthropology* 52(5):731-732.
- 2011 Bear Story: Poaching Jake Metcalf, in "Poaching at the Multispecies Salon," compiled by Eben Kirksey, Craig Schuetze, and Nick Shapiro. *Kroeber Anthropological Society Papers* 99/100:152-153.
- 2011 From Polavision to Gaga Glasses. *Gaga Stigmata: Critical Writings and Art about Lady Gaga*, <http://gagajournal.blogspot.com/2011/02/from-polavision-to-gaga-glasses.html>
- 2011 The Inner Sleeve: The Voyager Interstellar Record. *The Wire* 324:77.
- 2010 Listening Against Soundscapes. *Anthropology News* 51:10.
- 2010 How Like a Reef: Figuring Coral, 1839-2010. In *Party Writing for Donna Haraway*, a Webfestschrift, curated and edited by Katie King (originally commissioned by Sharon Ghamari-Tabrizi), <http://reefhelmreich.blogspot.com/>
- 2010 Virtual Water. *Cultural Anthropology*, virtual issue on Water, September, <http://www.cultanth.org/?q=node/361>
- 2010 Waves. *Insights*, Vol 3. Published by Institute of Advanced Study, Durham University, United Kingdom: <http://www.dur.ac.uk/ias/insights/volume3/article18/>

- 2010 Invited reply to Dame Gillian Beer's "Late Darwin and the Problem of the Human." *On the Human*, a project of National Humanities Center, <http://onthehuman.org/2010/06/late-darwin-and-the-problem-of-the-human/>
- 2009 Review of *Promising Genomics: Iceland and deCODE Genetics in a World of Speculation*, by Michael Fortun. *Perspectives in Biology and Medicine*. 52(3):477-479.
- 2009 Submarine Sound. *The Wire* 302:30-31.
- 2008 Review of *Dolly Mixtures: The Remaking of Genealogy*, by Sarah Franklin. *American Ethnologist* 35(4):4005-4009.
- 2007 Induction, Deduction, Abduction, and the Logics of Race and Kinship: Commentary on Stephan Palmié's "Genomics, Divination, 'Racecraft.'" *American Ethnologist* 34(2):228-230.
- 2006 Kath Weston's *Gender in Real Time: Power and Transience in a Visual Age*. Kath Weston Interviewed by Stefan Helmreich. *Body and Society* 12(3):103-121.
- 2006 Time and the Tsunami. In "Water: Resources & Discourses," Justin M. Scott Coe and W. Scott Howard, eds., special issue of *Reconstruction: Studies in Contemporary Culture* 6(3): <http://reconstruction.eserver.org/063/helmreich.shtml>
- 2006 Review of *Genetic Nature/Culture*, edited by Alan Goodman, Deborah Heath and Susan Lindee. *American Journal of Physical Anthropology* 129(2):318-319.
- 2005 Cetology Now: A Sketch for the Twenty-First Century. *Melville Society Extracts* 129:10-12.
- 2005 Biosecurity: A Reply to Nicolas Langlitz. *Anthropology Today* 21(5):20.
- 2005 Comment on "Biosecurity: Proposal for an Anthropology of the Contemporary," by Stephen Collier, Andrew Lakoff, and Paul Rabinow. *Anthropology Today* 21(2):21.
- 2004 Review of *Wetwares: Experiments in Postvital Living*, by Richard Doyle. *Space and Culture* 7(3):349-352.
- 2003 The Sound of *OneTree* Cloning. In *OneTrees: The FAQs — A Bioinformatic Instrument* by Natalie Jeremijenko, online at xxydesign.ucsd.edu/twiki/pub/Experimentalproduct/OneTrees/onetrees.pdf
- 2003 Torquing Things Out: Race and Classification in Geoffrey Bowker and Susan Leigh Star's *Sorting Things Out: Classification and Its Consequences*. *Science, Technology, and Human Values* 28(3):435-440.
- 2003 Spatializing Technoscience, an essay review of *Facts on the Ground: Archeological Practice and Territorial Self-Fashioning in Israeli Society*, by Nadia Abu El-Haj, *The Internet: An Ethnographic Approach*, by Daniel Miller and Don Slater, and *Space in the Tropics: From Convicts to Rockets in French Guiana*, by Peter Redfield. *Reviews in Anthropology* 32(1):13-36.

- 2002 Comment on “For Whom the Cell Tolls: Debates about Biomedicine,” by Gísli Pálsson and Kristín E. Hardardóttir. *Current Anthropology* 43(2):289-290.
- 2000 Effacing Race, *Village Voice*, letters, 10 October, page 6.
- 1999 Review of *Making PCR: A Story of Biotechnology*, by Paul Rabinow. *American Ethnologist* 26(3):783-784.
- 1995 Artificial Intelligence, Artificial Life, and Alternatives to Computationalism and Objectivism. *Stanford Humanities Review* 4(2):320-323.

Foreign Language Articles

- 2009 Menschliches Leben auf See. *Bios und Zoë: Die menschliche Natur im Zeitalter ihrer technischen Reproduzierbarkeit*, Martin Weiss, ed. Pp. 136-151. Edition-Suhrkamp. (German translation by Martin Weiss).
- 2005 El Espacio de la Ciencia, del Genoma Humano al Océano. *Ciencias: Revista de Difusión de la Facultad de Ciencias de la UNAM* 78:18-24. (Spanish translation by Ana Alvarez).
- 2000 La Vida Artificial. *Desacatos: Revista de la Antropología Social* 5:109-116 (Spanish translation by Gisèle Pérez-Moreno).
- 1999 Virtuellement Dieu. *Les Cahiers de Science et Vie* 53:70-76 (French translation by magazine personnel).

Media Appearances

Schorow, Stephanie

- 2009 Aliens at Sea: Anthropologist Helmreich Studies Researchers Studying Ocean Microbes, MIT News Office <http://web.mit.edu/newsoffice/2009/alien-ocean-0205.html>

Boebel, Chris, director

- 2008 *Doing Anthropology: Thoughts on Fieldwork from Three Research Sites*, featuring Stefan Helmreich, Erica James, and Heather Paxson. MIT Anthropology. <http://techtv.mit.edu/videos/315-doing-anthropology>
- 1998 “Page View,” with Craig Miller, episode # 00104298, show segment #42A. Ziff-Davis TV, November 23.

Invited Lectures, Colloquia, and Workshop and Conference Papers

- 2011 Presentation at “Sideways: A Conversation about Anthropology and Science and Technology Studies Today,” Department of Anthropology, UCI, Irvine, California, December 2.
- 2011 Presentation at “Local Biologies,” Department of Social Studies of Medicine, McGill University, Montreal, Canada, November 15.
- 2011 Potential Energy. Presented at *The Anthropology of Potentiality: Exploring the Productivity of the Undefined and Its Interplay with Notions of Humanness in New Medical Practices*, Wenner-Gren Foundation for Anthropological Research meeting, Teresópolis, Brazil, October 28-November 4.
- 2011 Old and New Waves. Presented at *Final Frontiers: Exploring Oceans, Islands, and Coastal Environments*. Island Institute, Rockland, Maine, October 20-23.
- 2011 Blue-Green Capital, Biotechnological Circulation and an Oceanic Imaginary: A Critique of Biopolitical Economy. Presented at “Ecosystems, Justice and Markets,” Dartmouth College, Hanover, New Hampshire, April 27.
- 2010 From Spaceship Earth to Google Ocean. Presented at the 109th Annual Meeting of the American Anthropological Association, New Orleans, LA, November 17-21; panel: Concerning Environmental Objects.
- 2010 Nature/Culture/Seawater. Presented at Environmental Politics Colloquium, University of California, Berkeley, Berkeley, California, April 2. Also given as Plenary Lecture on “Naturecultures” at Meetings of the Society for Cultural Anthropology, Santa Fe, New Mexico, May 8: <http://culanth.org/?q=node/347>
- 2010 Waves. Presented at Institute of Advanced Study, Durham University, United Kingdom, February 8.
- 2009 Extreme Life Forms. Presented at the 108th Annual Meeting of the American Anthropological Association, Philadelphia, Pennsylvania, December 2-6; panel: Extreme: Histories and Economies of Humanness Inside Outerspaces.
- 2009 Nonlinear Works and Lives. Presented at the 108th Annual Meeting of the American Anthropological Association, Philadelphia, Pennsylvania, December 2-6; panel: The End/s of the Anthropology of Technoscience: Celebrating 10 Years of the Diana Forsythe Prize.
- 2009 Underwater Music. Presented at Sound Studies Conference, Maastricht, Netherlands, November 21-22 Also presented at “Liquid Metaphors and Measurement” seminar at Institute of Advanced Study, Durham University, United Kingdom, February 17, 2010.
- 2009 Microbes meet Earth. Presented with Heather Paxson at Technoscience Salon, Jackman Humanities Institute, University of Toronto, Ontario, Canada, October 19. Later version, “The Perils and Potentials of Microbial Abundance: From Fermented Foods to Astrobiology,” presented at Institute for Advanced Study, University of Minnesota, February 24, 2011 http://mediamill.cla.umn.edu/mediamill/generateRSS.php?podcast_id=668; and in Department of Anthropology at City University of New York, Graduate Center, April 1, 2011.

- 2009 Science As/Is Culture. Presented at *Cultures in Common: 50 Years of Reflection on Science, Technology, and Society*. Co-Sponsored by the Program on Science, Technology and Society of the Kennedy School of Government, the Center for the Environment of the School of Engineering and Applied Sciences, and the Humanities Center at Harvard University in cooperation with the Program in Science, Technology, and Society, MIT, Cambridge, Massachusetts, May 8.
- 2009 Sonic Ethnography, or Documentary without Words: From Field Recordings to Recording Fields (with Ernst Karel). Megapolis Audio Festival, Cambridge, Massachusetts, April 25-26.
- 2009 Species of Biocapital. Presented at Centre for Economic and Social Aspects of Genomics, Lancaster University, United Kingdom, March 25.
- 2009 Artificial Life across Media, Simulated and Submarine. Presented at *Animation and Automation*. Centre for Screen Studies, University of Manchester and the Centre for Science Studies, Lancaster University, March 26-27.
- 2009 Alien Ocean: Life at Sea. Presented at Environmental Studies Series, Sarah Lawrence College, Bronxville, New York, March 9. Also presented at Pembroke Center for Teaching and Research on Women, Brown University, co-sponsored by Anthropology Department and Committee on Science and Technology Studies, Providence, Rhode Island, March 17; at Science and Technology Studies, York University, Toronto, Ontario, Canada, October 20; as Public Lecture sponsored by Institute of Advanced Study, Durham University, February 9, 2010; at UC Santa Barbara Interdisciplinary Humanities Center, Santa Barbara, California, May 4, 2010; at Marine Sciences, University of Maine, Orono, Maine, April 8, 2011; as keynote lecture at *Culture Versus Nature Revisited*, Nordic Anthropology of Health and Medicine Conference, University of Aarhus and University of Copenhagen, Grenaa, Denmark, June 8, 2011.
- 2009 Alien Ocean: Anthropological Voyages in Microbial Seas. Presented at Parsons Lab Microbial Systems Seminar Series, Department of Civil and Environmental Engineering, MIT, Cambridge, Massachusetts, February 4.
- 2008 Alien Ocean: The Symbiopolitics of Life at Sea. Presented at the 107th Annual Meeting of the American Anthropological Association, San Francisco, CA, November 19-23; panel: Species at Sea: Aqueous Anthropologies of Nonhuman Strangers and Companions.
- 2008 Submarine Media: Sounding the Sea with Cyborg Anthropology. Comparative Media Studies Colloquium, MIT, Cambridge, Massachusetts, October 2. Also presented in "Ethnography/Sensorium" colloquium series, Department of Anthropology, Princeton University, Princeton, New Jersey, March 31, 2011; and in History and Philosophy of Science, McGill University, Montreal, Canada, November 17, 2011.
- 2008 Life Forms at Three Extremes. Presented at *Vitalism Revisited: History, Philosophy, Biology*, a symposium held at the Center for Interdisciplinary Studies in Science and Cultural Theory, Duke University, March 22.

- 2007 Marine Bioprospecting and Biotechnology in Hawaii: Legal Contests and Contexts at Sea. Presented in Law/Science Seminar Series, Department of Law, Jurisprudence & Social Thought, Amherst College, Amherst, Massachusetts, February 5. Also presented at the Political Ecology Working Group of the Department of Anthropology, Harvard University, Cambridge, Massachusetts, March 2.
- 2006 How the Ocean Got Its Genome: Bodies of Knowledge and Bodies of Water in Marine Microbiology. Presented at the Department of Anthropology, New School University, New York, New York, December 18. Also presented at the Holtz Center for Science and Technology Studies, University of Wisconsin at Madison, September 20, 2007; in the Program on Science, Technology and Society, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, December 10, 2007; at the Centre for Economic and Social Aspects of Genomics, Lancaster University, United Kingdom, March 25, 2009; in the Department of Social Studies of Medicine, McGill University, Montreal, Canada, October 7, 2009; at Department of Anthropology, Durham University, United Kingdom, February 24, 2010; at Department of Anthropology, Johns Hopkins University, Baltimore, Maryland, April 27, 2010; at Department of History and Sociology of Science Workshop, University of Pennsylvania, Philadelphia, Pennsylvania, November 8, 2010; at Center for Society and Genetics, UCLA, March 17, 2011; at Department of Anthropology, Rutgers University, New Brunswick, New Jersey, March 30, 2011; and at Centre for Medical Science and Technology Studies, University of Copenhagen, Copenhagen, Denmark, June 6, 2011.
- 2006 How the Ocean Got Its Genome: Making Meaning out of Microbes in Marine Genomics. Presented at the 105th Annual Meeting of the American Anthropological Association, San Jose, CA, November 15-19; panel: Speaking with/for Nature: Conversations with Biologists and their Non-Human Others.
- 2006 Alien Ocean: An Anthropology of the Deep Sea. Presented at the Center for Humanities, Wesleyan University, Middletown, Connecticut, October 23. Also presented at the Science and Technology Studies Department, Rensselaer Polytechnic Institute, Troy, New York, November 14, 2007.
- 2006 An Anthropologist Underwater: Deep-sea Soundscapes, Submarine Cyborgs, and the Idea of Immersion. Presented at the Department of Anthropology, Rice University, Houston, Texas, March 2.
- 2005 Outline of a Theory of Fieldwork. Presented to the Social Science Faculty Seminar, University of Iceland, Reykjavik, Iceland, May 24.
- 2005 Microcosmic Seas: A Maritime Anthropology of Marine Microbiological Worlds. Presented to the Anthropology Faculty Seminar, University of Iceland, Reykjavik, Iceland, May 23.
- 2005 The Signature of Life: Designing the Astrobiological Imagination. Presented at “New Forms of Life: Practices and Consequences of Envisioning Biological Processes,” a Joint Workshop at the Kennedy School of Government organized by the Science, Technology and Society Programs at Harvard and MIT, Cambridge, Massachusetts, February 11.
- 2004 The Microbially Modified Ocean. Presented at the meetings of the Society for the Social Study of Science, Paris, France, August 25-28; panel: Microbiopolitics.

- 2004 Anthropology Underwater: A Report on Deep Submersible Vehicle *Alvin* Dive #4020, "Mapping Mothra Hydrothermal Field." Presented on board the Research Vessel *Atlantis*, 47°56' N, 129° 06' W, Endeavour Segment of the Juan de Fuca Ridge, Waters of the Canadian Exclusive Economic Zone, June 5.
- 2004 Alien Algae: Colonialism, Culture, and Classification in Hawaii. Presented in Coastal Studies Speaker Series, Bowdoin College, Brunswick, Maine, April 19.
- 2004 Kinship with the Sea: An Anthropologist Examines Marine Biology in the Age of Genomics. Presented as Invited Dinner Speaker for the Burchard Scholars Program, MIT, Cambridge, Massachusetts, March 17.
- 2003 An Archaeology of Artificial Life, Underwater. Presented at Workshop on the History of Artificial Life, Program in History and Philosophy of Science and Technology, Stanford University, Stanford, California, October 4-5.
- 2003 Wet Networks: A Biopolitics of Marine Biodiversity and Biotechnology. Presented at the Department of the History of Science, Harvard University, Cambridge, Massachusetts, January 7. Also presented at the Department of Anthropology, University of California, Berkeley, Berkeley, California, January 13; the Department of Anthropology, Cornell University, Ithaca, New York, January 20; and the Anthropology Program, MIT, Cambridge, Massachusetts, March 3.
- 2002 Culturing a Microbial Sea: An Anthropology of New Marine Biological Natures for the Ocean. Presented at the 101st Annual Meeting of the American Anthropological Association, New Orleans, LA, November 20-24; panel: Recasting Maritime Anthropology.
- 2002 The Sea that Science Makes: An Anthropological View of Marine Research and Ocean Worlds in the Age of Genomics and Informatics. Presented in the Monterey Bay Aquarium Research Institute Seminar series, Moss Landing, California, October 23. Also presented at the Department of Ocean Sciences, University of California, Santa Cruz, March 19, 2003.
- 2002 Life's Signature: Designing the Astrobiological Imagination. Presented at the meetings of the Society for Literature and Science Pasadena, California, October 10-13; panel: Edging the Work of Hillel Schwartz into Cultural Studies of Science.
- 2002 Trees and Seas of Information: Alien Kinship and the Biopolitics of Gene Transfer in Marine Biology and Biotechnology. Presented at the Program in Science, Technology and Society, University of Michigan, Ann Arbor, Michigan, October 7. Also presented at the Society for Cultural Anthropology Biennial Meeting, held with the American Ethnological Association and Société Canadienne d'Anthropologie, Montreal, Canada, May 3-6; panel: Transspecific Biopolitics: Animals as Models and as Collaborators.
- 2002 Decrypting Race and Class in Spielberg's *A.I.* Presented at *Critical Cyberculture Studies: Mapping an Evolving Discipline*. Co-sponsored by the University of Maryland's Cyberculture Working Group and the Consortium on Race, Gender, and Ethnicity, University of Maryland, College Park, Maryland, April 26-27; panel: Agency and Artifice in Cyberspace.

- 2002 The Promises of Marine Biotechnology. Presented at the Fourth Asia-Pacific Marine Biotechnology Conference, Honolulu, Hawaii, April 22-26; panel: Ecology and Marine Microbiology.
- 2001 Maritime Anthropology Meets Science Studies. Presented at the 100th Annual Meeting of the American Anthropological Association, Washington, DC, November 28-December 2; panel: Science, Technology, and Anthropology.
- 2001 Channeling Extraterritorial Marine Biodiversity. Presented at the meetings of the Society for the Social Study of Science, Cambridge, Massachusetts, November 1-4; panel: Envisioning Ecofutures 4: Ordering the Unseen Depths.
- 2001 Torquing Things Out. Presented at the meetings of the Society for the Social Study of Science, Cambridge, Massachusetts, November 1-4; panel: Author Meets Critics: Geoffrey Bowker and Susan Leigh Star's *Sorting Things Out: Classification and Its Consequences*.
- 2000 Life@Sea: Networking Marine Biodiversity into Biotech Futures. Presented at School of American Research seminar "Animation and Cessation: Anthropological Perspectives on Changing Definitions of Life and Death in the Context of Biomedicine," Santa Fe, New Mexico, April 30-May 4. Also presented at the Program in Science, Technology, and Society, MIT, Cambridge, Massachusetts, November 13. A revised version presented in the Department of Anthropology, UCI, Irvine, California, February 5, 2002 and presented at the Science and Technology Studies Department, Rensselaer Polytechnic Institute, Troy, New York, November 13, 2002.
- 1999 Artificial Life, Inc.: Coding and Decoding Commodity Fetishism in a Digital World. Presented at the 98th Annual Meeting of the American Anthropological Association, Chicago, Illinois, November 17-21; panel: Time and Motion: From Therbligs to Value Added.
- 1999 The Dynamics of Digitality in Artificial Life. Presented at the meeting of the International Society for History, Philosophy, and Social Studies of Biology, Oaxaca, Mexico, July 7-11; panel: Topologies and Typologies of Life in the Digital Domain.
- 1999 An Anthropology of Artificial Life. Presented at the Yerba Buena Center for the Arts on Wattis Artist-in-Residence Natalie Jeremijenko's "Real Artificial Life" panel, San Francisco, California, May 8.
- 1999 Silicon Second Nature: Conceiving Artificial Life and Reprogramming Kinship in a Digital World. Presented at the Department of Anthropology, University of Chicago, Chicago, Illinois, March 1. Also presented in the Anthropology Program, MIT, Cambridge, Massachusetts, April 5, and in the Department of Anthropology, New York University, September 21, 2000.
- 1999 Silicon Second Nature: Culturing Artificial Life in a Digital World. Presented at the Santa Fe Institute for the Sciences of Complexity, Santa Fe, New Mexico, February 12.
- 1998 Silicon Second Nature: Culturing Artificial Life and Denaturing Biology. Presented at the 97th Annual Meeting of the American Anthropological Association, Philadelphia, Pennsylvania, December 2-6; panel: Investing in Living Matter: Strategic Claims on the Biological.

- 1998 Silicon Second Nature: Culturing Artificial Life and Reprogramming Kinship. Presented at the meetings of the Society for the Social Study of Science, Halifax, Nova Scotia, Canada, October 28-November 1; panel: Recalibrating Life: Kinship beyond Biology.
- 1998 Simulation, Revelation, Hallucination: Double Visions of Vitality in Artificial Life. Presented at *Science and the Humanities Revisited*, UCLA, Los Angeles, California, April 24-25; panel: Envisioning Science.
- 1998 Kinship in Hypertext: Formulating Fatherhood and Information Flow in Artificial Life. Presented at *New Directions in Kinship Study: A Core Concept Revisited*, Wenner-Gren Foundation for Anthropological Research meeting, Mallorca, Spain, March 27-April 4.
- 1997 Transinformatic Organisms and Mutagenic Anthropologies at the Close of a Millennium. Presented at the 96th Annual Meeting of the American Anthropological Association, Washington, DC, November 19-23; panel: After Nature/Culture: Anthropologies In & Of Technoscientific Worlds.
- 1997 Artificial Life in a Worldwide Web. Presented at *Ecologies: Rethinking Nature/Culture*, Center for the Critical Analysis of Contemporary Culture, Rutgers University, New Brunswick, New Jersey, February 19.
- 1997 The Word for World Is Computer: Simulating Second Natures in Artificial Life. Presented at *Growing Explanations: Historical Perspectives on Recent Scientific Practice*, a Workshop in the History of Science and Technology, Princeton University, Princeton, New Jersey, February 15-16; panel: Recent History of Artificial Life and Immunology. An earlier version presented at *ECAL 95: The Third European Conference on Artificial Life*, Granada, Spain, June 4-6, 1995.
- 1996 Reconfiguring “Nature” and “Culture” in Ethnographic Engagement and Argument with Artificial Life Scientists. Presented at the 95th Annual Meeting of the American Anthropological Association, San Francisco, California, November 20-24; panel: Multiple Fieldsites, Multiple Entanglements: Novel Ethnographic Positions and Methods in the Study of Technoscience.
- 1996 Primitivity in the Nativity of Artificial Life: Elementary Forms of Electronic Life in the White Imagination. Presented at *Simulating Knowledge: Cultural Analysis of Computer Modeling in the Life Sciences*, Cornell University, Ithaca, New York, April 19-21. Portions also presented for *Graft versus Host: Cultural Studies of Technoscience*, Program in Science, Technology, and Society, MIT, Cambridge, Massachusetts, April 26.
- 1995 Recombinations of the Religious and the Scientific in a Computational Culture Medium: Concerning the Spiritual in Artificial Life. Presented at the Science and Literature Society meetings, Los Angeles, California, November 2-5; panel: Embodied Discourse: The Role of Narratives and Visual Images in Scientific Talk and Theories. Also presented at the 94th Annual Meeting of the American Anthropological Association, Washington, DC, November 15-19; panel: Communities of Technological Practice and the Design of Technology.

- 1995 Replicating Reproduction in Artificial Life: or, the Essence of Life in the Age of Virtual Electronic Reproduction. Presented at the meetings of the Society for the Social Study of Science, Charlottesville, Virginia, October 18-21; panel: New Anthropological/Cultural Studies of Science and Technology. Earlier versions presented at the Department of Science and Technology Studies, Cornell University, Ithaca, New York, October 16; and the Stanford Humanities Center, Stanford University, Stanford, California, May 4.
- 1994 Simulating and Refiguring “Life” in the Discipline of Artificial Life. Presented at the 93rd Annual Meeting of the American Anthropological Association, Atlanta, Georgia, November 30-December 4; panel: Cultural Studies of Science, Technology, and Medicine III: Theorizing Intervention, (Re) Imagining Technoscience.
- 1994 Travels through “Tierra,” Excursions in “Echo”: Anthropological Reflections and Refractions on the Looking-Glass Worlds of Artificial Life. Presented at *Artificial Life IV: An Interdisciplinary Workshop on the Synthesis and Simulation of Living Systems*, MIT, Cambridge, Massachusetts, July 6-8. Also published as Santa Fe Institute preprint 94-04-024.
- 1994 Anthropology Inside and Outside the Looking-Glass Worlds of Artificial Life. Presented at *Vital Signs: Cultural Perspectives on Coding Life and Vitalizing Code*, Stanford University, Stanford, California, June 2-4. Also presented at the seminar of the Berlin Summer Academy 1994, *Communicating Nature: Die Semiotisierung der Natur im 19. und 20. Jahrhundert*, Berlin, Germany, July 23-30. Organized through the Berlin Verbund für Wissenschaftsgeschichte, Technische Universität Berlin.
- 1993 Computer Simulations, Real Neocolonialism: A Critique of Computer Modeling in “Development”/Simulaciones por Computadora, Neocolonialismo Real: Crítica a los Modelos de Computadora para “el Desarrollo.” Presented at the 13th International Congress of Anthropological and Ethnological Sciences, Mexico City, Mexico, July 29-August 4; panel: Ciencia y Tecnología. Spanish translation by Federico Besserer and Lucía Rayas.
- 1992 Situating Artificial Life in Social Life. Presented at the Santa Fe Institute for the Sciences of Complexity, Santa Fe, New Mexico, July 17.
- 1992 Artificial Life and the Bio-Politics of Gender. Presented at *Shifting Boundaries: The Eleventh Annual Lewis and Clark College Gender Studies Symposium*, Lewis and Clark College, Portland, Oregon, April 12-15; panel: Gendered Machinations: Representations of Gender, Technologies of Power.
- 1991 Notes on the History and Idea of the Meme. Presented at Zentrum für Interdisziplinäre Forschung at the University of Bielefeld, Germany, December 18.
- 1991 The Historical and Epistemological Ground of von Neumann’s Theory of Self Reproducing Automata and Theory of Games. Presented at *Toward a Practice of Autonomous Systems: The First European Conference on Artificial Life*, Paris, France, December 11-13; session: Epistemological Issues.

Conference and Workshop Commentaries

- 2011 Commentary on Dorion Sagan's "The Human is More than Human: Interspecies Communities and the New 'Facts of Life,'" Society for Cultural Anthropology Culture at Large Forum. Presented at the 110th Annual Meeting of the American Anthropological Association, Montréal, Quebec, Canada, LA, November 16-20.
- 2011 Commentary on Ruth Rand's "The Sky is Crowding: Perceptions of Environmental Threat from Earth Orbit," at *Workshop for the History of Environment, Agriculture, Technology, and Science*, MIT Cambridge, Massachusetts, October 1.
- 2011 Commentary on Ernst Karel's "Materials Recovery Facility," at *Sensing the Unseen*, a Sawyer Seminar on the Comparative Study of Cultures, funded by the Andrew W. Mellon Foundation, sponsored by MIT Anthropology, Cambridge, Massachusetts, May 6.
- 2011 Commentary, "New Horizons for STS" at *STS: The Next Twenty - Conversations Within and Beyond the Field*. Program on Science, Technology and Society, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, April 7-9.
- 2011 Media Media. Prerecorded commentary on Brian Rotman's "Auras, Digital Ghosts, the Virtual," presented at *Intangibles: Immaterial Vectors, Agents and Effects*, Humanities Center at Harvard University, April 1:
<http://techtv.mit.edu/collections/stefan/videos/11584-comment-on-rotman>
- 2011 Commentary on Laurent Grasso's "Science & Fictions," presented at *Collision 2: When Artistic and Scientific Research Meet*, MIT Program in Art, Culture and Technology, Cambridge, Massachusetts, March 7.
- 2010 Commentary on Jacob Metcalf's "Intimacy without Proximity," presented at the 109th Annual Meeting of the American Anthropological Association, New Orleans, LA, November 17-21; panel: Multispecies Salon 3: Swarm.
- 2010 The Agencies of Light. Discussant commentary presented at the 109th Annual Meeting of the American Anthropological Association, New Orleans, LA, November 17-21; panel: Beyond Particles and Waves: Anthropological Explorations of Light.
- 2009 Commentary at "Scaling the Ethnographic," a Workshop at the Department of Anthropology, New School for Social Research, New York, New York, April 10; panel: Material Entanglements: Scales of Liveliness.
- 2008 The Anthropology of What Happens Between. Discussant commentary presented at the 107th Annual Meeting of the American Anthropological Association, San Francisco, CA, November 19-23; panel: Potentiality and Humanness: Revisiting the Anthropological Object.
- 2008 Chiefly about Decomposition. Closing comments at *Instability and Decomposition: 19th and 20th Century Moments in Art, Literature, Philosophy, and Technoscience*. Humanities Center at Harvard University, April 26.

- 2008 Earth at Sea. Discussant commentary on “Earth Undone, or the Globalization of the World Picture,” by Benjamin Lazier. Presented at Material Worlds Symposium, Brown University, Providence, RI, April 19.
- 2006 Thick Accounting. Discussant commentary presented at the 105th Annual Meeting of the American Anthropological Association, San Jose, CA, November 15-19; panel: Aggregate.
- 2006 Comment on James Cameron’s *Aliens of the Deep*, Alt-Science, Alt-Religion Group, Professor Debora Battaglia, convener, Anthropology Department, Mount Holyoke College, South Hadley, Massachusetts, May 5.
- 2005 Varieties of Scientific Experience. Discussant commentary presented at the 104th Annual Meeting of the American Anthropological Association, Washington, DC, November 30- December 4; panel: Religion and Science Caught between the Past and the Future.
- 2003 Anthropomorphics. Discussant commentary presented at the 102nd Annual Meeting of the American Anthropological Association, Chicago, Illinois, November 19-23; panel: After Knowledge: Anthropologies of Hopeful Moments.
- 2003 22°45’N, 158°W. Presented at the 102nd Annual Meeting of the American Anthropological Association, Chicago, Illinois, November 19-23; AAA Executive Program Committee Workshop: Affinities Conversations: Siteless Fields.
- 2002 Looking Backward through Biogenetics. Discussant commentary presented at the 101st Annual Meeting of the American Anthropological Association, New Orleans, LA, November 20-24; panel: The Un/Imaginable Futures of Biogenetic Relatedness.
- 2001 Mangles of Fantastic Anthropologies. Commentary presented at *Sense/Nonsense: Unmaking Language*, Boas-Benedict Conference. Department of Anthropology, Columbia University, New York, New York, April 20; panel: Confrontations.
- 1998 In the Web. Discussant commentary presented at the 97th Annual Meeting of the American Anthropological Association, Philadelphia, Pennsylvania, December 2-6; panel: Fieldwork on (the) Line: Impressions of Virtual Ethnology.
- 1997 Shared Substance, Shared Risk: Reprogramming Kinship and Ethnography in the Second Millennium Time Machine: A Comment on Donna Haraway’s *Modest_Witness@Second_Millennium.FemaleMan©_Meets_OncoMouseTM*. Presented at the meetings of the Society for the Social Study of Science, Tucson, Arizona, October 23-26; panel: Conversations with the Author: Donna Haraway.

Guest Lectures and Facilitations in College and University Classes

- 2011 Human Nature at Sea. Guest presentation, Environmental Studies 58: Environmental Justice Movements, Professor Michael Dorsey. Dartmouth College, Hanover, New Hampshire, April 28.
- 2010 Alien Ocean. Guest presentation, Anthropology 223: Nature, Landscape, Environment, Professor Eleana Kim. University of Rochester, Rochester, New York, November 23.
- 2009 Alien Ocean. Guest facilitation, Anthropology 800: Environmental Conflict & Social Change, Professor Christine Walley. MIT, Cambridge, Massachusetts, May 7.
- 2009 Alien Ocean. Guest facilitation, History of Science 257: Posthuman Science Studies, Professor Mario Biagioli. Harvard University, Cambridge, Massachusetts, April 6.
- 2008 What Is Life? Guest lecture in Earth, Atmospheric, and Planetary Sciences 007: Geobiology, Professor Tanja Bosak. MIT, Cambridge, Massachusetts, May 13.
- 2008 Acoustemologies. Guest lecture, Architecture 431: Architectural Acoustics, Professor Carl Rosenberg. MIT, Cambridge, Massachusetts, April 28.
- 2006 Xerophonics. Guest lecture, Music and Theater Arts 361: Composing with Computers, Professor Evan Ziporyn. MIT, Cambridge, Massachusetts, March 6.
- 2005 Race. Guest lecture, Anthropology 100: Introduction to Anthropology, Professor Heather Paxson. MIT, Cambridge, Massachusetts, November 22.
- 2005 Norbert Wiener and Artificial Life. Guest lecture, Comparative Media Studies 434: Science Fiction, Professor Beth Coleman. MIT, Cambridge, Massachusetts, September 21.
- 2005 Alien Ocean. Guest facilitation, Science, Technology, and Society 360: Ethnography, Professors Michael Fischer and Joseph Dumit. MIT, Cambridge, Massachusetts, March 29.
- 2005 Silicon Second Nature. Guest lecture, Comparative Media Studies 791: Media Theories and Methods II, Professor Henry Jenkins. MIT, Cambridge, Massachusetts, March 2.
- 2004 Doubling Back to Artificial Life. Guest lecture, Anthropology 316f: Special Topics in Anthropology — Anthropology of Nature, Professor Chaia Heller. Mount Holyoke College, South Hadley, Massachusetts, December 2.
- 2004 Dissolving the Tree of Life. Guest lecture, Civil and Environmental Engineering 84: Problems in Aquatic Biology and Chemistry. MIT, Cambridge, Massachusetts, November 12.
- 2002 Bioterrorism. Guest lecture, Anthropology 2: Introduction to Sociocultural Anthropology, Professor Heather Paxson. Pitzer College, Claremont, California, December 11.
- 1999 Conceiving Descent: Baloma and Female Fathers. Guest lecture, Anthropology 10: Identities: The Self, Belonging, and Destiny, Professor Sylvia Yanagisako. Stanford University, Stanford, California, May 19.

Ethnographic Field Research

- 2005 “Bioprospecting of Genetic Resources in the Deep Seabed: Scientific, Legal, and Policy Aspects,” United Nations University-Institute of Advanced Studies Roundtable, United Nations, New York, New York, June 9.
- 2005 “Cosmic Evolution and Astrobiology.” Dibner Institute for the History of Science and Technology Seminar in the History of Biology, co-sponsored by NASA History Office. Marine Biological Laboratory, Woods Hole, Massachusetts, May 15-22.
- 2005 International Conference on “Tectonic and Oceanic Processes along the Indian Ocean Ridge System,” National Institute of Oceanography, Goa, India, January 19-21.
- 2004 Voyage # AT 11-13 on Woods Hole Oceanographic Institute ship R/V *Atlantis*, in tandem with Dr. Deborah Kelley’s “Fluid Testing of a New Sensor to Monitor Environmental Conditions within the Walls of Active Sulfide Structures.” Work included participation in DSV *Alvin* dive #4020, “Mapping Mothra Hydrothermal Field, Take 2,” at 47 56 N 129 06 W on the Endeavour Segment of the Juan de Fuca Ridge, waters of the Canadian Exclusive Economic Zone, May 23- June 9.
- 2004 Cruise # 393 on University of Rhode Island NSF ship R/V *Endeavor* in tandem with Dr. Brian Binder’s “In Situ Pico-Cyanobacterial Growth Rates in The Sargasso Sea Based on Cell-Specific rRNA Measurements,” May 11-21.
- 2004 University of Georgia Marine Institute, Sapelo Island, Georgia, March 23-25.
- 2003 Woods Hole Oceanographic Institute, Woods Hole, Massachusetts, Sept-Dec.
- 2003 University of Hawaii, Honolulu, Hawaii, June-July.
- 2003 Monterey Bay Aquarium Research Institute, Moss Landing, California, Jan-May.
- 2002 Asia-Pacific Marine Biotechnology Conference, Honolulu, Hawaii, April 22-26.
- 2001 Symposium on Extremophile Research, Center of Marine Biotechnology, University of Maryland, Baltimore, Maryland, July 21.
- 2000 International Conference on Marine Biotechnology, Townsville, Queensland, Australia, Sept 29-Oct 4.
- 2000 Monterey Bay Aquarium Research Institute, Moss Landing, California, June-Aug
- 1996 Artificial Life conference, Nara, Japan, May 16-18.
- 1995 Artificial Life conference, Granada, Spain, June 4-6.
- 1993-94 Dissertation research on Artificial Life, at Santa Fe Institute for the Sciences of Complexity, Santa Fe, New Mexico; conference research in Brussels, Belgium; Donostia, Euskadi; Brighton, United Kingdom.

Academic Service

- 2012 Faculty, Semester at Sea, *MV Explorer* (Brazil, Ghana, South Africa, Mauritius, India, Singapore, Vietnam, China, Japan)
- 2011-present Editorial Board, *American Ethnologist*
- 2011-present Advisory Board, *Culture, Theory and Critique*
- 2011 Gregory Bateson Book Prize Committee, Society for Cultural Anthropology
- 2011 Levitan Prize Committee, MIT School of Humanities, Arts and Social Sciences
- 2010-present Committee on Curriculum, Massachusetts Institute of Technology
- 2010-2011 David M. Schneider Award committee, for graduate student essay on kinship, cultural theory, American culture; American Anthropological Association
- 2009-present Editorial Board, *Science as Culture*
- 2008-2011 Committee on Graduate Programs, Massachusetts Institute of Technology
- 2007-2011 Editorial Board, *Cultural Anthropology*
- 2006-present Kelly-Douglas Prize Committee, MIT School of Humanities, Arts and Social Sciences
- 2007-2009 Director of Graduate Studies, Doctoral Program in History | Anthropology | Science, Technology, and Society (HASTS), Massachusetts Institute of Technology
- 2006-2008 Visiting Scholar, Faculty of Social Science, University of Iceland
- 2006-2008 Project Personnel, Center for Microbial Oceanography: Research and Education, a Science and Technology Center, funded by the National Science Foundation.
- 2006-2007 HOC Curricular Review committee, Massachusetts Institute of Technology
- 2006-2007 Undergraduate major, minor, and concentration advisor, Anthropology, MIT
- 2004-2005 Siegel Prize committee for best student paper in science studies; HASTS, MIT.
- 1999 AES Senior Book Prize Committee, American Ethnological Society

Professional Organizations: American Anthropological Association, American Ethnological Society, Society for Cultural Anthropology, Society for the Social Study of Science

Grant reviewer, National Science Foundation; Fulbright U.S. Scholar Program; European Research Council; Marsden Fund, The Royal Society of New Zealand; Ministerio de Ciencia y Tecnología, Secretaría de Estado de Política Científica y Tecnología, Spain

Article referee, *American Anthropologist*; *American Ethnologist*; *Anthropology of Consciousness*; *Anthropological Quarterly*; *Anthropology Today*; *Body and Society*; *Cultural Anthropology*; *Current Anthropology*; *Ethnos*; *Maritime Studies*; *Medical Anthropology*; *Philosophy and Rhetoric*; *Science as Culture*; *Science, Technology, and Human Values*; *Senses and Society*; *Social Studies of Science*

Manuscript reviewer, Routledge Press, MIT Press, Palgrave Macmillan, University of California Press, Princeton University Press, Duke University Press, Cornell University Press, University of Chicago Press

Co-organizer of “Multispecies Salon 3: Swarm” with Eben Kirksey for the 109th Annual Meeting of the American Anthropological Association, New Orleans, New Orleans, LA, November 17-21, 2010.

Organizer of Society for Cultural Anthropology-invited panel, “Species at Sea: Aqueous Anthropologies of Nonhuman Strangers and Companions” for the 107th Annual Meeting of the American Anthropological Association, San Francisco, CA, November 19-23, 2008.

Organizer of panel, “Ways of Sensing Biology” for the meetings of the Society for the Social Study of Science, Montreal, Canada, October 11-13, 2007.

Co-organizer of panel, “Microbiopolitics” with Heather Paxson for the meetings of the Society for the Social Study of Science, Paris, France, August 25-28, 2004.

Co-organizer of panel, “Recasting Maritime Anthropology” with Pamela Ballinger for the 101st Annual Meeting of the American Anthropological Association, New Orleans, Louisiana, November 20-24, 2002.

Organizer of panel, “Edging the Work of Hillel Schwartz into Cultural Studies of Science” for the meetings of the Society for Literature and Science, Pasadena, California, October 10-13, 2002.

Co-organizer of panel, “Topologies and Typologies of Life in the Digital Domain” with Arantza Etxeberria for the meetings of the International Society for History, Philosophy, and Social Studies of Biology, Oaxaca, Mexico, July 7-11, 1999.

Co-organizer of Society for Cultural Anthropology-invited panel, “Multiple Fieldsites, Multiple Entanglements: Novel Ethnographic Positions and Methods in the Study of Technoscience” with Mizuko Ito for the 95th Annual Meeting of the American Anthropological Association, San Francisco, California, November 20-24, 1996.

Co-organizer of conference, *Simulating Knowledge: Cultural Analysis of Computer Modeling in the Life Sciences*, Department of Science & Technology Studies, Cornell University, April 1996.

Postdoctoral Scholars Supervised

Emily Zeamer (Ph.D. Anthropology, Harvard University), Andrew W. Mellon Postdoctoral Fellow for “Sensing the Unseen,” a 2010-2011 Sawyer Seminar on the Comparative Study of Cultures, MIT Anthropology.

Michele Friedner Zeamer (Ph.D. Anthropology, University of California, Berkeley & San Francisco), National Science Foundation Postdoctoral Fellow, MIT Anthropology, 2011-2013.

Students Supervised

Ph.D. Students (in Doctoral Program in History | Anthropology | Science, Technology, and Society [HASTS], MIT, unless otherwise noted)

Completed

- 2011 Sara Wylie, “ExtrAct: An STS Analysis of Natural Gas Development in the American West,” Advisor.
- 2011 Lisa Messeri, “Placing Outer Space: An Earthly Ethnography of Other Worlds,” Advisor.
- 2011 Michael Rossi, “The Rules of Perception: American Color Science, 1831-1931,” Committee Member.
- 2010 Sophia Roosth, “Crafting Life: A Sensory Ethnography of Fabricated Biologies,” Advisor.
- 2010 Chihyung Jeon, “Technologies of the Operator: Engineering the Pilot in the U.S. and Japan, 1930-1960,” Committee Member.
- 2010 Valerie Olson, “American Extreme: An Ethnography of Astronautical Visions and Ecologies,” Outside Reader, Anthropology, Rice University.
- 2010 Hallam Stevens, “Life out of Sequence: An Ethnographic Account of Bioinformatics, from the ARPAnet to Postgenomics,” Committee Member, History of Science, Harvard University.
- 2010 Sakari Tamminen, “Calculating Life: Nation, Nature, and the Nativisation of Nonhuman Genetics,” Outside Reader, Social Sciences, University of Helsinki.
- 2009 Kieran Downes “Aesthetics, Enthusiasm, and Technology in the World of High-End Audio, 1970-2000,” Committee Member.
- 2008 Etienne Benson, “The Wired Wilderness: Electronic Surveillance and Environmental Values in Conservation Biology,” Committee Member.
- 2007 David Bjarnason, “An Island of Constant Connection: An Anthropologist Explores Mobile Networks,” Committee Member, Anthropology, University of Iceland.
- 2007 Natasha Myers, “Modeling Proteins, Making Scientists: An Ethnography of Pedagogy and Visual Cultures in Contemporary Structural Biology,” Advisor.
- 2005 Wen-Hua Kuo, “Japan and Taiwan in the Wake of Bio-globalization: Drugs, Race, and Standards,” Committee Member.
- 2003 Srikanth Mallavarapu, “Possible Worlds in Science Studies: A Postcolonial Perspective,” Outside Reader, English, SUNY Stony Brook.
- 2001 Mitchell Whitelaw, “Artificial Life in New Media Art,” Outside Reader, University of Technology, Sydney, Australia.

Current

Laurel Braitman, Committee Member.
Stephanie Dick, Committee Member, History of Science, Harvard University.
Emily Lin Xi, Advisor.
Caterina Scaramelli, Advisor.
Leandra Swanner, Committee Member, History of Science, Harvard University.
Michaela Thompson, Committee Member.
Emily Wanderer, Advisor.
Lambert Williams, Committee Member, History of Science, Harvard University.

Master's Students

MIT

- 2011 Priya Natarajan, "The Epistemic Power of Simulations: A Case Study of Cosmological N-body Simulations Circa 1980-1993," Committee Member, History | Anthropology | Science, Technology, and Society.
- 2010 Nick Seaver, "A Brief History of Re-performance," Committee Member, Comparative Media Studies.
- 2009 Caitlin Berrigan, "Life Cycle of a Common Weed: Reciprocity, Anxiety and the Aesthetics of Noncatharsis," Committee Member, Visual Arts Program.
- 2008 Andres Lombana, "The 'New' Sound of the Slap-of-the-Stick: Termite Terrace (1937-1943) and the Slapstick Tradition," Committee member, Comparative Media Studies.
- 2004 Saoirse Higgins, "Mechanism #1: War | Doom Machine | Failsafe," Committee Member, Media Lab.

NYU (as Thesis Supervisor, John W. Draper Interdisciplinary Master's Program in Humanities and Social Thought)

- 2004 Theresa MacPhail, "The Viral Gene: Reconfiguring Life, Death, and Agency in Contemporary Genomics."
- 2004 Pamela Tan, "Written on the Equine Body: An Exegesis of Wildness and Domestication in the Reintroduced Przewalski Horse."
- 2003 Abigail Ruby, "Mangles of Muscle and Gender: Making and Representing Female Bodies in Bodybuilding and in Fitness Magazines."
- 2002 Sarah Groark, "AIDS and Empire: Disease, Tensions in Globalization, and the Case of PhRMA in South Africa."
- 2002 Caroline Gomez, "Post-Revolutionary Cuba, Race, and the Anthropology of Fernando Ortiz."
- 2002 Dace Dzenovska, "'Human Development': Imagining Alternatives to Development Discourse."
- 2002 Kino MacGregor, "Agriculture as Prosthesis: An Alternative Epistemology for the Natural World."
- 2002 Anna Elizabeth Hagström, "Industrial Ethnography: The Transition to User-Centered Computer Network Design."
- 2002 Ben Kleinman, "Magnifications of Time and Agency: A Role for Technology in Communities of Practice."
- 2001 Marc Neumann, "GeneWays: Bioinformatics in the Wild."
- 2001 Leila Mouammar, "Conspiracy/Theory: A Retroactive Manifesto on the Sociotechnical Conditions for Paranoia within Reason."
- 2001 Shieh-wen Chen, "Cyborg Bodies in the Capitalist Art Market: An Analysis of Bob Flanagan, Orlan, and Matthew Barney."
- 2001 Lambert Williams, "Models, Phenomenological Laws and the Trading Zone in Physics."
- 2001 Brett Moskowitz, "Recontextualization in the Life of HIV Therapy Data."
- 2001 David Hoff, "Metaphysics and Object-Oriented Programming."
- 2000 Erlend Simonsen, "Inscribing Meaning in Electronic Mail."