

Ken Alder
Curriculum Vitae, January 2016

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ACADEMIC POSITIONS

2014 - [2017] Chair, Department of History, Northwestern University.
2003 - present Milton H. Wilson Professor in the Humanities, Northwestern.
2003 - present Professor of History, Northwestern.
1994 - 2014 Director, Science in Human Culture Program, Northwestern (*passim*).
1999 - 2003 Harold and Virginia Anderson Outstanding Teaching Professor, Northwestern.
1997 - 2003 Associate Professor of History, Northwestern.
1991 - 1997 Assistant Professor of History, Northwestern.

EDUCATION

1991, Ph.D. Harvard University. History of science.
1981, A.B. Harvard University. Honors physics. Phi Beta Kappa. National Merit Scholar.

VISITING POSITIONS

2015 Summer Visiting Scholar, Max Planck Institute for the History of Science, Berlin.
2010-11, 13-14 Visiting Scholar, Department of History, New York University.
2012 Spring Visiting Scholar, Ecole des Hautes Etudes en Sciences Sociales, Paris.
2001 - 2002 Visiting Scholar, American Bar Foundation, Chicago.
1999 - 2000 Visiting Scholar, Centre de Sociologie de l'Innovation, Ecole des Mines, Paris.

HONORS, PRIZES

Fellow, American Academy of Arts & Sciences, Cambridge, Mass.; class of 2012.
E. Le Roy Hall Award for Teaching Excellence, awarded each year to one senior faculty member in Northwestern's Weinberg College of Arts and Sciences, 2010-11.
Kagan Prize from The Historical Society, for The Measure of All Things, co-winner for the best book in European history, 2004.
Davis Prize from the History of Science Society, for The Measure of All Things, winner for the best book for a general audience in the history of science, 2003.
Dingle Prize from the British Society for the History of Science, for The Measure of All Things, winner for the best book in the history of science, 2003.
Dexter Prize (now Edelstein Prize) from the Society for the History of Technology, for Engineering the Revolution, winner for the best book in the history of technology, 1998.

GRANTS, FELLOWSHIPS

John Simon Guggenheim Memorial Fellowship, 2010-11.
National Science Foundation (NSF) Scholar's Award: Program in Science, Technology, and Society; and Program in Law and Social Sciences, 2008-09.
Senior Fellow, American Bar Foundation, Chicago, 2001-02.
NSF Scholar's Award: Program in Science and Technology Studies, 1997-2000.
National Endowment for the Humanities Fellowship, Newberry Library, Chicago, 1997-98.

Henry M. Phillips Research Grant in Jurisprudence, American Philosophical Society, Summer 1997.
University Research Grant, Northwestern University, Summer 1995.
Kaplan Center for the Humanities Fellowship, Northwestern University, 1994-95.
Whiting Graduate Fellowship in the Humanities, Harvard University, 1990-91.
Mellon Graduate Fellowship in the Humanities, 1988-89.
National Science Foundation Graduate Fellowship, 1984-87.
Fulbright Fellowship, Ecole Polytechnique Fédérale, Lausanne, Switzerland, 1982-83.

PUBLICATIONS

SCHOLARLY BOOKS

3. The Lie Detectors: The History of an American Obsession.

New York: The Free Press, 2007. Paperback edition: Lincoln, Neb.: Bison Press, 2009.

- Foreign language edition:

Japanese: 嘘発見器よ永遠なれ. Tokyo, Hayakawa, 2008. With new preface for Japanese readers.

- Cited as a “Favorite book of 2007,” Chicago Tribune (12/15/07).

- Selected press reviews: William Grimes, New York Times (3/2/07); Robin Marantz Henig, Wall Street Journal (3/24/07); Stephen Lyons, Chicago Tribune (4/18/07); J. Allemang, Globe and Mail (4/5/07); David Wallace-Wells, Washington Monthly (4/07); Tal Golan, American Scientist (7/2007).

- Selected academic reviews: Simon Cole, Technology & Culture 49 (2008): 254-55; Susanna Blumenthal, Journal of American History 95 (2008); Carroll Pursell, Isis 99 (2008): 592-93.

2. The Measure of All Things: The Seven-Year Odyssey and Hidden Error that Transformed the World.

New York: The Free Press, 2002; paperback, 2003.

London: Abacus/Time Warner Books, 2002; paperback, 2004.

- **Foreign language editions:**

French: Mesurer le monde, 1792-1799, l'incroyable histoire du mesure du mètre. Paris: Flammarion, 2005. Pocketbook edition, 2008.

Italian: La misura di tutte le cose: L'avventurosa storia dell'invenzione de sistema metrico decimale. Milan: Rizzoli, 2002.

Dutch: De Maat van alle Dingen: De Zevenjarige zoektocht naar de Universele Meter. Amsterdam: Ambo/Anthos, 2003.

German: Das Mass der Welt: Die Suche nach dem Urmeter. Munich: Bertelsmann, 2003; paperback 2005.

Portuguese: A medida de todas as coisas: A odisséia de sete anos e o erro encoberto que transformaram o mundo. Rio de Janeiro: Objetiva, 2003.

Norwegian: Alle Tings Mål: Den Syv Ar Lange Odysseen Og Den Skjulte Feilen Som Forandret Verden. Oslo: Cappelen, 2003.

Spanish: La Medida de Todas las Cosas: La Odisea de Siete Años y el Error Oculto que Transformaron el Mundo. Madrid: Santillana, 2003.

Swedish: Världens Mått: Berättelsen om hur Metersystemet Förändrade Världen. Stockholm: Norstedts, 2003.

Chinese (simple characters): 万物之尺. Beijing: HuaWen, 2004.

Chinese (complex characters): 萬物的尺度. Taiwan: Owl/Cite Publishing, 2005; reprint, 2009.

Japanese: 万物の尺度を求めて. Tokyo: Hayakawa 2006.

Hebrew: הכול לפי מידה. Tel Aviv: Kinneret-Zmora, 2007.

- **Prizes/Honors:**

Co-winner of the Kagan Prize from The Historical Society for 2002-03

Winner of the Davis Prize from the History of Science Society for 2002; citation in Isis 95 (2004): 263.

Winner of the Dingle Prize from the British Society for the History of Science for 2001-02.

“Notable Book” for 2002 New York Times.

Shortlisted (finalist) for The Longmann/History Today Prize, 2002.

Runner-up, best science book of year, 2004, Buchjournal [Germany], December 2004.

Winner of the 2005 Prix de la Traduction Pierre-François Caillé from the Société Française des Traducteurs, for the French translation by Martine Devillers-Argouac’h.

Cited as a “Best Book of 2002” by the following publications: The Economist, Discover Magazine, Book Sense, Library Journal, The Sunday Times (London), The Sunday Telegraph, Granta, and The Spectator.

Inspiration for "The Measures," an independent film by Jacqueline Goss and Jenny Perlin, screened at the NY Film Festival on 3 October 2014. <http://www.filmlinc.com/nyff2014/films/projections-program-4>

- Selected reviews:

Academic: Ronald Zupko, American Historical Review (2003): 588-89; Lewis Pyenson, Nature 421 (1/16/03): 211-212; Andre Wakefield, Technology & Culture 44 (2003): 810-12; Bruce Stephenson, Physics Today (7/03): 57.

North American: Publishers Weekly 249 (7/1/02): 48; Anthony Doerr, Boston Globe (9/15/02): E6; Timothy Ferris, New York Times Book Review (10/13/02): cover review, pp. 12-13; R. Foster Winans, Philadelphia Inquirer (11/2/02); Simon Winchester, Globe & Mail (10/26/02): D3; David Owen, New Yorker (10/14/02): 212-16; D. Graham Burnett, American Scientist (Mar./Apr. 2003): 166-69; Noel Murray, The Onion (1/15/03).

British: Richard Hamblyn, Sunday Times (9/1/02); Christopher Booker, Daily Telegraph (9/7/02); John Preston, Sunday Telegraph (9/9/02); Robert MacFarlane, The Observer (10/6/02); John D. North, Times Literary Supplement (9/27/02); Douglas Johnson, The Spectator (10/19/02).

Francophone: Vincent Guigueno, Le Monde (2/25/05); Jean-Yves Grenier, Libération (3/3/05); Rudy Le Cours, La Presse, Montreal (3/27/05); J.-M. M., Livres Hebdo (12/10/04), Bruno Belhoste, La Recherche (5/05).

1. Engineering the Revolution: Arms and Enlightenment in France, 1763-1815.

First edition: Princeton: Princeton University Press, 1997; paperback edition, 1999.

Second edition: Chicago: University of Chicago Press, 2010.

- **Honors:** Winner of the 1998 Dexter/Edelstein Prize of the Society for the History of Technology, citation in Technology & Culture 40 (1999): 623-24.

- **Major review essays:** C. C. Gillispie, Technology & Culture 39 (1998): 742-54; Myles Jackson, Journal of Modern History 71 (1999): 902-13; Donald MacKenzie, London Review of Books (12/11/97):18-19; Terry Shinn, Social Studies of Science 29 (1999): 135-44.

- **Reviews:** Eric Arnold, History 26 (1999): 82; Harold Brown, Canadian Journal of History 34 (1999): 280-82; Owen Connelly, American Historical Review 103 (1998): 1606-07; Alan Forrest, French History 12 (1998): 344-46; Barton Hacker, Isis 90 (1999): 601; Michael Hanagan, International Labor and Working-Class History 55 (1999):170-173; C. Harrison, The Historian 61 (1999): 941-42; Daniel Headrick, Journal of Economic History 57 (1997): 965-67; Samuel Scott, Journal of Military History 62 (1998): 206-07; James Livesey, H-DIPLO (5/1/00); Fredj Claire, Histoire, économie et société 20 (2001): 277-78.

CURRENT BOOK PROJECTS

A History of Artificial Beings

This project takes up the history of material artifacts to interrogate the social life of particular "things," among them a Mesopotamian weight, a musket traded for a slave on the West African coast in 1730, Marie Curie's bicycle, Salvador Dalí's Lobster Telephones, the Unabomber's typewriter, an Etch A Sketch, and a few others. The project draws its inspiration from the "it narratives" of the late eighteenth-century. It asks: How can re-framing a history around a particular inanimate object re-center our histories of people and social structures... and the history of technology?

The Forensic Self: Science and Law since the Seventeenth Century

This project tracks the history of the forensic sciences from the Renaissance to the present so as to examine the changing ways in which the self has been made answerable before the law, history, and society. It traces the way that individual, historical, and racial/group identities have been sustained and disrupted by techniques of bodily identification in Anglo-American and French-Continental legal systems. The first fruit of this project was the publication in 2007 of my book, *Lie Detectors*. Articles have appeared on handwriting identification.

NOVELS

The Whirligig of Time: A Novel of the Anti-Faust. Manuscript in progress.

The White Bus: A Novel. New York: St. Martin's Press, 1987. Reviews available.

SCHOLARLY ARTICLES

"History of Science as Oxymoron: From Scientific Exceptionalism to Episcience," *Isis* 104 (2013): 88-101. Centenary edition, "Focus Section on the Future of the History of Science."

"Scientific Conventions: International Assemblies and Universal Standards," pp. 19-40, in Mario Biagioli and Jessica Riskin, eds., Nature Engaged: Science in Practice from the Renaissance to the Present (London: Palgrave Macmillan, 2012; paperback edition [2015]). CHOICE book.

"Thick Things: Introduction" and "America's Two Gadgets: Of Bombs and Polygraphs," *Isis* 98 (2007): 80-83, 124-37. Guest-editor, with an introduction and essay for a Focus Section on the history of technology.

"It's Not About France." In Why France?, pp. 189-210. Ed. Laura Lee Downs and Stéphane Gerson. Ithaca: Cornell University Press, 2006. French translation: "La France n'y est pour rien," In Pourquoi la France? Paris: La Seuil, 2007.

"History's Greatest Forger: Science, Fiction, and Fraud along the Seine." Critical Inquiry 30 (2004): 702-16. German translation: "Der Grösste Fälscher der Geschichte." Sinn und Form 57 (2005): 748-64.

"A Social History of Untruth: Lie Detection and Trust in Twentieth-Century America." Representations 80 (2002): 1-33.

"The History of Science, Or, an Oxymoronic Theory of Relativistic Objectivity." In A Companion to Western Historical Thought, pp. 297-318. Ed. Lloyd Kramer and Sarah Maza. London: Blackwell, 2002.

"French Engineers Become Professionals, Or, How Meritocracy Made Knowledge Objective." In The Sciences in Enlightened Europe, pp. 94-125. Ed. William Clark, Jan Golinski, and Simon Schaffer. Chicago: University of Chicago Press, 1999.

"To Tell the Truth: The Polygraph Exam and the Marketing of American Expertise." Historical Reflections 24 (1998): 487-525.

"Stepson of the Enlightenment: The Duc Du Châtelet, The Colonel Who 'Caused' the French Revolution." Eighteenth-Century Studies 32 (1998): 1-18.

"Making Things the Same: Technological Representation, Manufacturing Tolerance, and the End of the Old Régime in France." Social Studies of Science 28 (1998): 499-545.

"Innovation and Amnesia: Engineering Rationality and the Fate of Interchangeable Parts Manufacturing in France." Technology and Culture 38 (1997): 273-311.

"A Revolution to Measure: The Political Economy of the Metric System in France." In Values of Precision, pp. 39-71. Ed. M. Norton Wise. Princeton: Princeton University Press, 1995.

MINOR ARTICLES

- Encyclopedia article: "Mètre," Encyclopédie historique de la civilisation européenne, ed. Daniel Roche. Paris: Fayard, 2010.
- Popular article: "The Golden Lasso: Wonder Woman and the Birth of the Lie Detector," Cabinet: A Quarterly of Art and Culture 33 (2009): 66-67.
- Published interview: "Le mètre et le méridien," Libération (8/13/06): i-iii.
- Popular article: "Der heisse Stuhl," NZZ-Folio, the magazine of the Neue Zürcher Zeitung, Zürich (8/06): 26-31.
- Popular article: "Der Meter misst keinen Meter!" NZZ-Folio, the magazine of the Neue Zürcher Zeitung, Zürich (2/05): 22-25.
- Special edition pamphlet: "The Measure of the World." The Dibner Library of the History of Science and Technology. Washington, DC: Smithsonian Institution Libraries, 2004.
- Popular article: "La démesure du mètre." La Recherche 13 (October-December, 2003): 16-21. Reprinted in L'histoire des nombres, pp. 167-77. Paris: Tallandier, 2007.
- Popular article: "Europe's Rulers." Times Educational Supplement (11/8/02): 12-15.
- Popular reprint series: "Lecture: *La misura di tutte le cose*," in Corriere della Sera (8/21-9/2/02).
- Popular article: "The Mismeasure of All Things." American Heritage of Invention and Technology (Fall 2002): 38-44.
- Encyclopedia article: "Weights and Measures." In The Oxford Encyclopedia of Economic History. Ed. Joel Mokyr. Oxford: Oxford University Press, 2003.
- Review article: "Interchangeable Gunlocks and Technological Memory" Revue Scientifique et Technique de la Défense, 2002. Ed. Dominique Pestre and Patrice Bret.
- Popular article: "Les tours et détours du détecteur de mensonge." La Recherche 341 (4/01): 48-53. Reprinted in La Recherche, hors-series 8 (July/Sept. 2002): 60-65. Spanish edition: "Las mentiras del detector de mentiras," Mundo Científico 224 (5/01): 58-63.
- Popular article: "Michel Chasles, ou l'illusion envoûtante." Les Cahiers de science et vie 58 (Aug.-Sept. 2000): 4-11.
- Essay-exchange: "Do Guns Have Politics? A Reply to Charles Gillispie." Technology and Culture 39 (1998): 742-54.
- Popular article: "Les mathématiques de l'artilleur dans la grand *Encyclopédie*." Les Cahiers de science et vie 47 (Oct. 1998): 48-52.
- Popular article: "L'amnésie des armuriers français." La Recherche 308 (April 1998): 78-84.
- Conference report: "The Metric of Revolution: A Social History of the Metric System." Proceedings of the Western Society for French History 21 (1994): 95-105.
- Popular article: "The Perpetual Search for Perpetual Motion," American Heritage of Invention and Technology (Summer 1986): 58-63.

BOOK REVIEWS

- "Science INC. On Mediating Stephen Hawking," In Los Angeles Review of Books, 10 Jan. 2015. <http://lareviewofbooks.org/review/science-inc-mediating-stephen-hawking>
- "*The Truth Machine: A Social History of the Lie Detector*, by Geoff Bunn," Isis 104 (2013): 170.
- "*Un astronome des lumières: Jérôme Lalande*, by Simone Dumont," Isis 100 (2009): 400-401.
- "*Measuring the World*, by Daniel Kehlman," American Scientist 95 (May-June, 2007): 273-74.
- "*Pierre Simon Laplace, 1749-1827, A Determined Scientist*, by Roger Hahn." Times Higher Education Supplement (4/7/06): 22-23.
- "*Une histoire de la Méridienne*, by Jean-Pierre Martin." Isis 92 (2001): 753-54.
- "*French Engineers and Architects in the Age of Enlightenment*, by Antoine Picon." Technology and Culture 41 (2000): 588-589.
- "*Engineering Labour: Technical Workers in Comparative Perspective*, edited by Peter Meiksins and Chris Smith." Journal of Economic History 58 (1998): 620-21.

- Review Essay: “*Labour, Science and Technology in France, 1500-1620*, by Henry Heller; *Vauban*, by Anne Blanchard; and *Constructing a Bridge: An Exploration of Engineering Culture, Design, and Research in Nineteenth-Century France and America*, by Eda Kranakis.” Journal of Modern History 70 (1998): 691-95.
- “*The Closed World: Computers and the Politics of Discourse in Cold War America*, by Paul N. Edwards.” Journal of American History 84 (1997): 1130-31.
- “*The World of the Paris Café: Sociability among the French Working Class, 1789-1914*, by W. Scott Haine.” Labor History 38 (1997): 376-77.
- “*Science, Industry, and the Social Order in Post-Revolutionary France*, by Robert Fox.” Technology and Culture 38 (1996): 836-38.
- “Unlikely Contrivances: *Zipper* by Robert Freidel,” Science 264 (13 May 1994): 994-96.

PUBLIC PRESENTATIONS

PLENARY ADDRESSES

- "Everyone's Autobiography of Gertrude Stein." Distinguished Lecture in the History of the Human Sciences, History of Science Society Meeting, Chicago, 8 November 2014.
- "A Biography of Marie Curie by Her Bicycle." Plenary session lecture and organizer, "New Forms for Old Things." Annual meeting of the History of Science Society, Boston, 21 November 2013.
- "Scientific Conventions: International Assemblies and Universal Standards." George Sarton Memorial Lecture of the History of Science Society, American Association for the Advancement of Science (AAAS), Chicago, 15 February 2009.
- "The Measure of All Things." Colloquium of the National Institute of Standards and Technology (NIST), Gaithersburg, MD, 14 March 2008.
- "Mesurer le monde." Public lecture, Conservatoire Nationale des Arts et Métiers, Paris, 7 April 2005.
- "The Measure of the World." Annual Dibner Library Lecture, National Museum of American History, 4 November 2003. Published as The Measure of the World (Washington DC: Smithsonian Institution Libraries, 2003).

INVITED SCHOLARLY TALKS

- "The Lie Detector and the Forensic Self," Osaka University, to be given March 2016.
- "Capitalism and the Anthropocene," Comment on session of the Newberry Seminar of Capitalism, 9 October 2015.
- "The Blunderbuss and the Fortunate Slave," Workshop on "Guns & History: Did Guns Make the Modern World?" History Department, Stanford University, 17 November 2015.
- "The Autobiographies of an Artifact: 'Erewhon Loves Frankenstein,'" Plenary Lecture, Max Planck Institute for the History of Science, 25 June 2015.
- "The Gun and the Slave," Material Culture Workshop entitled "Translating Vitalities," Seattle, 29 August 2014.
- "The Machine Memoirs: A History of Artificial Beings." History of Science Department Colloquium, Harvard University, Cambridge, 25 March 2014.
- "The Measure of All Things." Physics Department Colloquium, MIT, Cambridge, 20 March 2014.
- "Do Artifacts Still Have Politics? History and the History of Technology." History of Science, Medicine, and Technology Colloquium Series, New York University, 5 December 2013.
- "Do Artifacts Still Have Politics?" HPOL Colloquium, Drexel University, Philadelphia, 3 December 2013.
- "Thick Things: Science and Technology as Performance," Workshop on "Materialities, Texts, and Images," Caltech/Huntington Library, Pasadena, 10-11 May 2013.
- "The Measure of the World: The Origin of the Metric System and Our Scientific Values." Committee on the History and Philosophy of Science, University of Colorado-Boulder, 29 April 2013.
- "Episcience and the End of Scientific Exceptionalism," Science and Technology Studies Program Seminar, Brown University, Providence, 3 April 2013.
- "How Social Psychology Has Transformed America—and Its Laws," Colloquium of the Equal Employment Opportunity Commission/Office of Civil Rights, Chicago Offices (with video conference to Milwaukee and Minneapolis offices), 16 January 2013.
- "The Novelty of Novelty: The Origins of Technological Change," Ryan Learning for Life Lecture Series on Technology, Northwestern University, Chicago, 19 September 2012.
- "Conventions scientifiques: Conférences internationales et normes techniques de la République des lettres à la science internationale," Seminar talk for Les frontières mouvantes de la science : une histoire, XVIIIe-XXe siècle, Ecole des Hautes Etudes en Sciences Sociales, Paris, 29 May 2012.

- "Lire les caractères: L'expertise en écriture et l'identité française, du Massacre de la Saint-Barthélemy à l'Affaire Dreyfus," Seminar talk for Les frontières mouvantes de la science : une histoire, XVIIIe-XXe siècle, Ecole des Hautes Etudes en Sciences Sociales, Paris, 22 May 2012.
- "The Lie Detectors: The History of an American Obsession," Chicago Humanities Festival, 16 October 2011.
- "Measuring the World: A Historical Perspective on Scientific Values." Joint Molecular Biosciences Graduate Student Association, UMDNJ-Rutgers University, New Brunswick, 26 April 2011.
- "The Forensic Self: Identity and Identification in France." Seminar series in the History of Science and Technology, University of California at Berkeley, 10 May 2010.
- "Reading Characters: Identity and Identification in France." Seminar series in the History Department, University of British Columbia, Vancouver, 8 April 2010.
- "The Measure of All Things." Inaugural Lecture in the Centennial Lecture Series of the McCormick School of Engineering, Northwestern University, 21 October 2009.
- "Body of Lies: American Justice and the Polygraph." Mellon Lecture series, Tulane University, New Orleans, 16 March 2009.
- "Reading Characters: Identity in Early Modern France." Conference, "Making Science, Inspiration and Reputation 1400-1800," at the Clark Library, Los Angeles, 6 February 2009.
- "The Forensic Self: Identity and Identification in France." History of Science and Medicine Seminar, Yale University, New Haven, 1 December 2008.
- "Identity versus Identification." Colloquium series, Departments of the History of Science and the History of Medicine, Johns Hopkins University, Baltimore, 2 October 2008.
- "The Forensic Self: Experts and Forgers since the Renaissance." Science, Technology, and Society Colloquium, University of Michigan, Ann Arbor, 3 December 2007.
- "Science in Human Culture." Everett Mendelsohn's Retirement Symposium, Department of the History of Science, Harvard University, Cambridge, 19 October 2007.
- "Forensic Science and the Polygraph." Illinois Science Council, Chicago, 6 October 2007.
- "The Lie Detectors." A conversation with Chicago Tribune books editor Elizabeth Taylor, Printers Row Book Fair, Chicago, 10 June 2007, broadcast live by C-SPAN2.
- "Proving Oneself: Identity, Expertise, and Historical Study in France." History of Science seminar, UCLA, 29 January 2007.
- "Proof by Hand: Identity and Expertise in France." Workshop presentation at "Cultures of Evidence/Contexts of Truths," Wellcome Trust Centre for the History of Medicine, London, 23-25 November 2006.
- "Atomic Lies." Seminar presentation as Horning Visiting Scholar, Oregon State University, Corvallis, 10 March 2006.
- "Proof of Identity: Scientific Evidence and Historical Method since the Renaissance." Visiting Horning Scholar Lecture, Oregon State University, 8 March 2006.
- "What is Science Studies?" Speaker/Panelist, Franke Institute for the Humanities, University of Chicago, 11 November 2005.
- "The Lie Detectors." Science, Technology, and Society Seminar, University of California at San Diego, 9 May 2005.
- "The Measure of the World." NASA/Goddard Space Flight Center's Engineering Colloquium, Greenbelt, Maryland, 15 November 2004.
- "Lie Detection and the Cold War." Seminar in Comparative History and Society, Georgia Tech, Atlanta, 12 November 2004.
- "Synthesis: Science, Technology, and the Industrial Revolution." Workshop: "Inventive Intersections: Sites, Artifacts, and the Rise of Modern Science and Technology," Amsterdam, 22-25 September 2004.
- "Social History of Untruth." Economic History Seminar, Northwestern University, 4 March 2004.
- "Proving Identities: Experts *versus* Forgers from the Counter-Reformation to the Dreyfus Affair." Seminar in the Human Sciences, University of Chicago, 17 October 2003.
- "The World's Measure." Lecture, Göteborg Book Fair, Göteborg, Sweden, 25 September 2003.
- "The Measure of the World." Lecture, Department of History, Oslo University, 24 September 2003.
- "The Error of All Things." Plenary Session of Swedish History Week, Stockholm, 20 September 2003.

- “The Error of All Things: How the Creation of the Metric System Gave Birth to Error Theory.” Colloquium series, Department of Physics, Northwestern University, 16 May 2003.
- “American Anti-Faust: The Unmaking of Scientific Knowledge.” Workshop paper for a Conference on Agnatology at Penn State University, College Park, 25-26 April 2003.
- “Writing Fiction / Writing History: The Problem of Verisimilitude.” Center for the Writing Arts, Northwestern University, 7 April 2003.
- “History’s Greatest Forger, Or, Science, History, Fiction, and Fraud along the Seine.” Seminar series in the History of Science Program, History Department, Stanford University, Palo Alto, 3 March 2003.
- “The Measure of All Things.” Public lecture series, Newberry Library, Chicago, 20 February 2003.
- “A Social History of Untruth: Trust and Lie Detectors in Twentieth-Century America.” Seminar series, History of Science Program, History Department, University of California at Berkeley, 29 April 2002.
- “Lies and the Laity: Expertise and the Machinery of Truth-Telling in American Life.” Workshop conference, “Diasporas of Knowledge: Migrations Between Elite and Vernacular Science,” Princeton University, 12 April 2002.
- “Proof of Identity: Scientific Evidence and Historical Method from the Counter-Reformation to the Dreyfus Affair.” Seminar Series of the American Bar Foundation, Chicago, 13 March 2002.
- “Does Science Flow out of the Barrel of a Gun?” Workshop conference, Southern California History of Science Lecture Series, Los Angeles, 20 January 2001.
- “The Return of Jean Maillard: Experts, Forgers, and French History.” Joint seminar of the History Department and the Science, Technology, and Society Program, Cornell University, Ithaca, NY, 18 September 2000.
- “Comment prouver une mensonge?” Seminar series in the History and Sociology of Proof, Ecole des Hautes Etudes en Science Sociales, Paris, 23 June 2000.
- “Meritocracies.” Invited Senior Scholar at the Third International Summer Laboratory for the History of Science, “Measurement and Representation in Eighteenth-Century Science,” Cohen Institute for the History and Philosophy of Science and Ideas, University of Tel Aviv, 11-15 June 2000.
- “Faire vivre l’histoire des sciences et techniques.” Inaugural seminar in a series of career-reflection talks at the Centre Alexandre Koyré d’Histoire et Philosophie des Sciences, Paris, 2 March 2000.
- “Comment raconter l’histoire d’un objet: Le fusil No. 1 de la Révolution française.” Seminar series, Conservatoire Nationale des Arts et Métiers, Paris, 24 February 2000.
- “L’identification par l’écriture: Experts, faussaires, et historiens du Saint-Barthélemy à l’Affaire Dreyfus.” Seminar series of the Centre pour l’Histoire des Sciences et Techniques, La Villette, Paris, 25 January 2000.
- “Politique des objets et standardisation.” Seminar series in Histoire des techniques, at the Ecole des Hautes Etudes en Sciences Sociales, Paris, 8 December 1999.
- “Une histoire sociale des mensonges.” Seminar series of the Centre de Sociologie de l’Innovation, Ecole Nationale Supérieure des Mines de Paris, Paris, 21 October, 1999.
- “Reading Characters: French Handwriting Experts from the Counter-Reformation to the Dreyfus Affair.” Invited senior scholar in the Berlin Summer Academy on Science, Technology, and the Law, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, 23-27 August 1999.
- “Lies, Damn Lies, and Polygraphs: Scientific Justice and the Marketing of American Expertise.” Seminar series of the Center for the Study of Law and Society, University of California at Berkeley, 29 April 1999.
- “Reading Characters: Scientific Justice, Historical Method, and the Signs of Identity in France.” Humanities seminar, University of New Mexico, Albuquerque, 22 March 1999.
- “Truth, Justice, and the American Lie Detector.” Seminar series of the Department of History, Northwestern University, 25 January 1999.
- “The Republic of Expertise: The American Lie Detector.” The Newberry Seminar for Technology, Politics and Society, Chicago, 20 November 1998.
- “Himmelstein’s Hoax: A Novel of the Contemporary Physicist as Anti-Faust.” Seminar series of the 20th-Century Physics Study Group, Harvard University, 30 October 1998.

- “The Honest Body and the Lying Mind: The Polygraph Machine and the Marketing of American Expertise.” Seminar series of the History of Science Department, Harvard University, Cambridge, 27 October 1998.
- “Making Things the Same.” Seminar series of the Science, Technology, and Society Program, MIT, Cambridge, 27 October 1998.
- “Proving a Lie: The American Polygraph Technique.” Workshop conference, Demonstration, Test, Proof, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, 25-28 June 1998.
- “Reading Characters: Scientific Justice and Historical Method from Hamon to Dreyfus.” Chicago-Area Eighteenth-Century Studies Seminar, 26 May 1998.
- “Signs of Crime: Science and Particularity in Enlightenment France.” Workshop conference, Ordering Nature in the Enlightenment, UCLA’s Center for Seventeenth and Eighteenth Century Studies and the William Clark Library, Los Angeles, 15-16 May 1998.
- “Evidence of Hands: French Expertise from Hamon to Dreyfus.” Seminar series at the Newberry Library, Chicago, 11 May 1998.
- “Lies, Damn Lies, and Polygraphs: Scientific Evidence and the Marketing of American Expertise.” Seminar series of the American Bar Foundation, Chicago, 4 February 1998.
- “La politique des objets: Les armes de la Révolution française.” Visiting scholar, History of Technology Seminar, Ecole des Hautes Etudes en Sciences Sociales, Paris, 22 October 1997.
- “The Sciences of the Particular: Individualized Knowledge in the Laboratory, the Courtroom, and the Historian’s Study.” Seminar series in the Department of the History of Science, University of Wisconsin, Madison, 13 November 1996.
- “Making Meritocracy: A Social Epistemology of Enlightenment Engineering.” Seminar series in the History of Modern France, University of Chicago, 11 October 1996.
- “Manufacturing Tolerance: Precision Production and the Making of the Modern French State.” Workshop conference, The Challenge of the Enlightenment: Calculation, Chance and the Enlightenment, UCLA’s Center for Seventeenth and Eighteenth Century Studies and the William Clark Library, Los Angeles, 23-24 February 1996.
- “Mathematical Values and Meritocratic Culture: Constructing French Engineers.” Seminar series in the History of Science, Technology and Medicine Department, Johns Hopkins University, Baltimore, 26 October 1995.
- “A Social Epistemology of Enlightenment Engineering.” Workshop conference, Enlightened Science, Department of the History and Philosophy of Science, Cambridge University, 11-15 July 1995.
- “The Geometry of the Workplace, Or Why Engineers Cast Shadows.” Seminar series at the Center for the Humanities, Northwestern University, 15 May 1995.
- “Whither the History of Technology?” Seminar series, Department of the History and Sociology of Science, University of Pennsylvania, Philadelphia, 11 November 1994.
- “The Political Economy of Standardization: From National Measures to Rational Measures.” Seminar series in the History and Philosophy of Science, University of Chicago, 11 February 1994.
- “Science and Technics in the French Enlightenment: The Geometry of the Workshop.” Seminar series in the History and Philosophy of Science, Notre Dame University, South Bend, 23 November 1993.
- “Mass Production in Revolutionary France.” Workshop conference, “On the European Roots of Mass Production,” Dibner Institute, Cambridge, 6 March 1993.
- “Revolution to Measure: The Rise and Decline of the Metric System.” Seminar series in the Program in the History of Science, Princeton University, 17 April 1992.
- “The French Origins of Mass Production.” Seminar series in the Department of the History and Sociology of Science, University of Pennsylvania, Philadelphia, 30 September 1991.
- “French Mass Production and the Language of the Machine Age.” Seminar series, History of Science Department, Harvard University, Cambridge, March 1991.
- “Eighteenth-Century France and the Culture of Mass Production.” Seminar series, Program in Science, Technology, and Society, MIT, Cambridge, 28 April 1988.

CONFERENCE PRESENTATIONS

- "A Biography of Marie Curie by Her Bicycle," Annual Conference of the French Historical Studies Society, Boston, 4-6 April 2013.
- "History of Science as Means: Mediating the Materialist and Political Histories of the French Revolution," Roundtable on science and the French Revolution, Annual Conference of the French Historical Studies Society, Boston, 4-6 April 2013.
- Commentator, "A Question of Order? Standardizing Time, Space, and Self," Annual meeting of the History of Science Society (HSS), Phoenix, 21 November 2009.
- Commentator, "Cold War, the Intersection of Politics and Technology," Annual conference of the Society for the History of Technology (SHOT), Washington DC, 20 October 2007.
- "Technology as Performance: Of Atom Bombs and Lie Detectors," Annual meeting of the History of Science Society (HSS), Vancouver, 5 November 2006.
- Commentator, "Constructing Competence: Theorizing Relations between Practice and Product," Annual Meeting of the Society for History of Technology, Las Vegas, 14 October 2006.
- Commentator, "Science Inc., Inventors, Promoters, and Academic Enterprise," Annual Meeting of the History of Science Society, Minneapolis, 4 November 2005.
- "The History of the Lie Detector." Annual Conference of the American Society for Legal History, Chicago, 9 November 2001.
- "PASCAL DEFEATS NEWTON!: Or Originality and Verisimilitude in History and Science." Annual conference of the History of Science Society, Vancouver, 3 November 2000. Panel organizer for the session, "Authority, Originality, Piracy: Histories of Intellectual Property," with Mario Biagioli, Adrian Johns, and Lorraine Daston (commentator).
- Panelist: "La science et la Révolution française." Colloquium on the French Revolution and Science, sponsored by Annales de la Révolution française, Paris, 11 December 1999.
- "Lies, Damn Lies and the Polygraph: Scientific Evidence and the Marketing of American Expertise." Annual conference of the Society for the History of Technology, Baltimore, 16 October 1998. Organized panel for the session "Technologies of Truth" with Robert Brain and Michael Sokal.
- "Policing Script: Handwriting Analysis and Objective Justice in 18th-Century France." Annual meeting of American Society for Eighteenth Century Studies, Notre Dame, Indiana, 2 April 1998.
- "The History and Rhetoric of Interdisciplinary Science." Talk in honor of my Ph.D. student, Leah Ceccarelli, winner of the 1996 Gerald R. Miller Outstanding Dissertation Award, National Communication Association. Speech Communication Conference, Chicago, 22 November 1997.
- "To Tell the Truth: The Polygraph Exam and the Marketing of Expertise." Annual meeting of the Law and Society Association, St. Louis, 31 May 1997.
- "The Honest Body: Lie Detection and the Dream of Scientific Justice in America." Annual meeting of the History of Science Society, Atlanta, 8 November 1996.
- "Reading the Truth: Handwriting Analysis and Scientific Justice in France." Annual meeting of the Midwest American Society for Eighteenth-Century Studies, Indianapolis, 18 October 1996.
- "Step-Son of the Enlightenment: The Colonel Who 'Caused' the French Revolution." Annual meeting of the Society for French Historical Studies, Boston, 22 March 1996.
- Commentator, "The Political Valences of Empiricism: An Epistemological Debate Across the Centuries." Annual meeting of the History of Science Society, New Orleans, 14 October 1994.
- "The Metric of Revolution." Annual meeting of the Western Society for French History, Missoula, Montana, 15 October 1993.
- "Terror and Technocracy: The French Origins of Interchangeable Parts Manufacturing." Annual meeting of the Society for the History of Technology, Uppsala, Sweden, 18 August 1992.
- "Reason, Not the Need: The Metric System and the French Revolution." Annual meeting of the History of Science Society, Seattle, 26 October 1990.
- "Organizing French Science between the World Wars." Joint Atlantic Seminar for the History of the Physical Sciences, Princeton University, 24 April 1985.

PUBLIC MEDIA APPEARANCES

Public speaking engagements for The Lie Detectors include: Cooper Union University, New York, 3/6/07; Printer's Row Book Fair, Chicago, 6/9/07. Book store appearances in New York, Washington DC, Chicago, Denver, Seattle, and San Francisco. Corporate lectures: Microsoft, RealNetworks. Interview regarding polygraph research: Jennifer Ruark, "Verbatim," The Chronicle of Higher Education, 17 January 2003, p. A12.

Radio appearances for The Lie Detectors include: NPR radio shows: WNYC (NY) "Leonarde Lopate Show"; WAMU (Washington DC/National) "Diane Rehm Show"; KPCC (LA) "Air Talk" with Larry Mantle; WAMC "Roundtable"; WBEZ (Chicago) "848 Show"; Minnesota Public Radio, "Midmorning Show"; "Everything Is Broken," WUSB (NY). Commercial radio: KGO-AM (San Francisco), Ronn Owens Show; Sirius Radio (National), "Michelangelo Signorile Show"; XM Radio (National), "Bob Edwards Show"; KRLA LA, "Dennis Prager Show"; Air America (National), "Culture Shocks," host Barry Lynn; "Discovery," BBC World Service, 5/11/2010, host Roland Pease.

Television/Film appearances for The Lie Detectors: The History Channel, "Forensic Firsts," produced by Mary Marzukil, aired 30 July 2001; KTVU-TV (Fox, San Francisco), "Mornings on 2"; KRON (San Francisco), morning show; C-SPAN2 Book TV and live broadcast from Printers Row Book Fair, 13 June 2007; "The Truth About Liars," Merit Motion Pictures, Canadian Broadcast Television, aired 5 February 2009; "Lie Detectors," Forenskik, Propellerfilm, for RTE, Germany, 2009.

Speaking engagements for The Measure of All Things: In North America in October-November 2002, appearances in New York, Chicago, San Francisco, Seattle, Madison, Washington DC, Ann Arbor, Minneapolis, Denver, Toronto and other cities. Speaking engagements outside North America involved appearances in London, Dublin, and the British Isles in September 2002; in Madrid, Amsterdam, Stockholm, Götteborg (book fair), and Oslo in the Spring/Fall 2003; and in Paris in 2004.

Radio appearances for The Measure of All Things include:

- In the United States, various syndicated NPR radio programs in 2002: "The World," WGBH Boston; "Odyssey," WBEZ Chicago; "848," WBEZ Chicago; "Leonard Lopate Show," WNYC New York; and "Todd Mundt Show," Michigan Public Media. Then also: Joe Palca, "Joe's Big Idea," NPR Morning Edition, 6/23/14; "Radiolab," WNYC New York, June/July 2014.
- Other widely syndicated radio appearances in the U.S. included in 2002: "Voice of America," "Extension 720," with Milt Rosenberg, WGN; the Jason Jarvis show; SETI radio.
- Appearances on nationally syndicated shows in Canada included: "As It Happens" and "Samedi et rien d'autre," both on the CBC.
- Outside North America, radio appearances in 2002-04 included, among others: BBC5, the BBC World Service, and LBC London in Britain; ABC radio in Australia; RTE national radio in Ireland; Spanish national radio; Swedish public radio; Norwegian public radio; Radio France Internationale (in French) and Europe 1 in France.

Television/Film appearances for The Measure of All Things include CSPAN-2 "Book TV," 16 November 2002, 11-12pm, with several rebroadcasts. TVO (Ontario public television) "Studio Two" with Allan Gregg. Also webcast interviews on RelaxWithABook.com, and Microsoft Book Club. Principal host for a documentary on the history of the metric system for "Méchain and Arago in Mallorca," La Periferica, Catalan Public Television, 2009; also for Engstfeld Films, as part of their series "Mission X" on German SDF and French Arte), 2010; talking head for Antoin Hurtado, director, "Irréfrangible: Naissance du système métrique," Adocs, 2011. Talking head for documentary on measurement for Educational Broadcasting Service, Seoul, South Korea, October 2013.

Other media appearances: Inaugural address of the Cité du design, European industrial design museum, Saint-Etienne, France, April 2006; WBEZ radio talk show, "Odyssey with Gretchen Helfrich," to

discuss: “Scientific Evidence in the Courtroom,” 21 January 2002; “Fear of Science,” 15 June 2001.
WGN radio talk show “With Milt Rosenberg” to discuss the work of James Burke, 25 June 1999.

PROFESSIONAL SERVICE

SCHOLARLY SOCIETIES

History of Science Society (HSS):

Local Arrangements Co-Host, 2013-14.

Program Committee for Meetings and Programs, 2013-
Chair, Nominations Committee, 2010-11.

Publications Committee, 2008-10; chair, 2009-10.

Executive Council (elected office, three-year term), 2005-08.

Co-chair of Program Committee for Annual Conference, 2007-08.

Society for the History of Technology (SHOT):

Executive Council (elected office, three-year term), 2004-2007.

Dibner Program Advisory Committee (three-year term), Huntington Library, 2008-10.

Member: HSS, SHOT, American Historical Association, French Historical Society.

PEER REVIEW ACTIVITIES

Grants:

Panel member: ACLS, graduate dissertation fellowship, 2015.

Panel member: Dibner Fellowship Grants, Peer Review Committee, Huntington Library, 2008-2011.

Panel member: National Science Foundation, Science, Technology, and Society Program, 2002.

Grant proposal evaluations for the following agencies: MacArthur Foundation Fellowships; National Science Foundation: Science, Technology, and Society Program, and Law and Social Sciences Program; Newberry Library, Visiting Scholars Fellowship; Flemish Research Foundation; Dutch Council for the Humanities of the Netherlands Organization for Scientific Research.

Journal articles:

Advisory editor for Technology & Culture, 1997-2010; peer reviewed dozens of articles.

Advisory editor for Isis, 1999-2004; peer reviewed dozens of articles.

Consulting editor for Studies in History and Philosophy of Science, 2004-present.

Peer review for the following additional scholarly journals: Business History Review; Eighteenth-Century Studies; French Historical Studies; Journal of Economic History; Journal of Modern History; History of Psychology; Science in Context; Science Technology and Human Values; Social Studies of Science.

Scholarly books:

Peer review of book manuscripts for the following university presses: MIT Press, Princeton University Press, University of California Press, University of Chicago Press.

Tenure and promotion cases:

Assessed candidates for tenure/promotion at these institutions: Carnegie Mellon University; Barnard College; Columbia University; Ecole des Hautes Etudes en Sciences Sociales, Paris; Emory University; Harvard University; Hunter College/CUNY; MIT; University of Oregon; Oxford University; Stanford University; University of Illinois at Urbana-Champaign; University of Michigan-Ann Arbor; University of Pennsylvania; University of California-Berkeley; University of California at Los Angeles.

Institutional Review:

Program review, History of Science Department, Harvard University, 2011

Program review, Science in Society Program, Wesleyan University (committee chair), 2011.

INSTITUTIONAL SERVICE, NORTHWESTERN UNIVERSITY

MAJOR UNIVERSITY SERVICE

Chair, Department of History, 2014-[2017]. Administrative responsibility for some 40 tenure-line faculty, 20 adjunct faculty and postdocs, 90 graduate students, and 220 undergraduate majors/minors.

Founding director, Science in Human Culture (SHC) Program, 1994-2014 (except 2010-12). As inaugural director of SHC, I developed an interdisciplinary program in science studies which invites scholars and students to study science, technology, and medicine in their historical, social and cultural contexts. For full information, see www.shc.northwestern.edu/. The program includes:

- An undergraduate program for 50-60 adjunct majors and minors. Students treat a theme in the contextual study of science, medicine, or technology, and can write an honors thesis.
- A graduate program for more than a dozen graduate students who do interdisciplinary work in a "cluster" in science studies and attend a doctoral colloquium funded by the Mellon Foundation, while receiving a Ph.D. in a "home" department (History, Sociology, etc.)
- A post-doctoral fellowship program which admits two concurrent post-doctoral scholars for two-year terms each, and affiliates them with an appropriate department. See list below.
- A seminar speaker series, which each year invites a dozen leading scholars in science studies to present their work. Sponsored by the Klopsteg Fund.
- A Midwestern Science Studies Conference, triennial regional science studies conference with plenary address, thematic panels, and 100+ scholar attendees. In May 2012: "Facts, Artifacts, and the Politics of Consensus"; in May 2015 "Making Knowledge and the Problem of Place."
- Public conferences on science and current affairs, which includes: a visiting professorship by Bruno Latour in October 2005; a workshop "Re:Calling 'Science as Vocation'" for a dozen scholars on Max Weber's contribution to science studies, May 2008; plus various co-sponsored public conferences.

Founding director, Kaplan Humanities Scholar Program, 2006-08.

As inaugural director, I created an integrated humanities program for Northwestern freshman organized under the rubric of "The Good Society." I set the program's pedagogical mission and coordinated the teaching of a half-dozen faculty from multiple disciplines and domains. The program had its debut in 2007-08 with 48 students and sponsored a colloquium on social networks with Cass Sunstein, Siva Vaidhyanathan, and Eszter Hargittai. The program continues to thrive under subsequent directors. For full information, see www.kaplanscholars.northwestern.edu/

OTHER UNIVERSITY SERVICE

Tenure Committee for Weinberg College of Arts and Sciences, elected, three-year term: 2009-12, 2012-13.

Search Committee for faculty position in Environmental Social Sciences, 2012-13.

Chair, Search Committee for senior faculty position in Humanities and Biomedicine, 2007-08.

Copyright Committee, Northwestern University, 2001-06. Key role in drafting university copyright policy.

Center for the Writing Arts, Northwestern University, 1994-2010.

Center for Technology and Social Behavior, Northwestern, 2006-2010.

Program Review Committee for "Women's Studies," 1997-98 to create "Gender Studies."

WCAS Committee on Information Technology and the Humanities, 2003-04.

Member and chair of various ad hoc committees for the internal review of tenure cases.

HISTORY DEPARTMENT SERVICE

Department Chair, 2014-[2017]. Responsible for department with 40 tenure-line faculty, 100 graduate students, and 300 majors, whose courses are taken by 3500 Northwestern undergraduates each year.

Chair, Search Committees for positions in the history of science, 2000-01 and 2011-12.

Member, Search Committee for various positions, including: Early Modern Europe (2005-06), Modern Britain (2006-07), Colonial America (2009-10).

Professional Development Officer, 2005-06, 2012-13. Prepared a dozen advanced graduate students to enter the job market. Organized workshops on the application process, how to write a dissertation synopsis, interview strategies, grant writing, and how to manage historical research. Provided mock interviews and practice job talks, as well as one-on-one advice.

Europeanist representative, Graduate Affairs Committee, 1991-92, 1993-94, 2002-03, 2003-04.

Director of Undergraduate Studies, 1998-99. Organized the department's undergraduate offerings.

TEACHING ACTIVITIES

TEACHING HONORS

- E. Le Roy Hall Award for Teaching Excellence, Northwestern's annual award for a senior faculty member in the Weinberg College of Arts and Sciences, 2010-11.
Harold and Virginia Anderson Outstanding Teaching Professor, Northwestern University, 1999-2003.
Excellence in Teaching Award, Interfraternity Council/Panhellenic Association, Northwestern, Fall 1997.
Hewlett Committee Grant for new course development: "Technology: History, Society, and Economy."
Co-winner with Joel Mokyr, Northwestern University, 1993-94.

POST-DOCTORAL SUPERVISION

Since 1992 I have been responsible for the selection and supervision of two concurrent postdoctoral fellows in science studies as part of Northwestern's Science in Human Culture Program. The following list includes the scholars I directly supervised, their current position, and the book they wrote based on their postdoctoral work:

- 2015-[17], Fredrik Meiton (Ph.D., History, NYU), current postdoctoral fellow.
2013-15, Daniel Stoltz (Ph.D., Near Eastern Studies, Princeton), visiting asst. prof. in History, Northwestern.
2012-13, Lukas Rieppel (Ph.D., History of Science Harvard), Asst. Prof., History Dept., Brown University.
2010-12, Tania Munz (Ph.D., Princeton), VP for Research, Linda Hall Library, Kansas City. *The Dancing Bees: Karl von Frisch and the Discovery of the Honeybee Dance Language* (Chicago, [2016]).
2010-12, Tom Waidzunus (Ph.D., UCSD), Asst. Prof., Sociology Dept., Temple University, Pennsylvania.
2009-10, Dániel Margóscy (Ph.D., Harvard), Asst. Prof., History Department, Hunter College, NY.
Commercial Visions: Science, Trade and Visual Culture in the Dutch Golden Age (Chicago, 2014).
2008-10, Lindsay Smith (Ph.D., Harvard), Asst. Prof., Anthropology, U. of New Mexico-Albuquerque.
2007-09, Anthony Hazard (Ph.D., Temple), Asst. Prof., Ethnic Studies, Santa Clara University. *Postwar Antiracism: The United States, UNESCO, and "Race," 1945-1968* (Palgrave, 2012).
2006-08, Laura Stark (Ph.D., Princeton), Asst. Prof., Medicine, Health, and Society, Vanderbilt University.
Behind Closed Doors: IRBs and the Making of Ethical Research (Chicago, 2011).
2005-07, Sokieng Au (Ph.D., Berkeley), independent scholar. *Mixed Medicines: Health and Culture in Colonial Cambodia* (Chicago, 2011).
2004-06, Patrick Singy (Ph.D., Chicago), independent scholar. *The DSM-5 in Perspective: Philosophical Reflections on the Psychiatric* (Springer, [2015]).
2004-05, Pauline Kusiak (Ph.D., Cornell), U.S. government policy analyst on sub-Saharan Africa.
2002-04, John Tresch (Ph.D., Cambridge), Assoc. Prof., History and Sociology of Science Dept., U. of Pennsylvania. *The Romantic Machine: Technology and Metamorphosis in Paris, 1820-1851* (Chicago, 2012); winner of Pfizer "best book" Prize from the History of Science Society.
2002-04, Shobita Parthasarathy (Ph.D., Cornell), Assoc. Prof., School of Public Policy, U. of Michigan.
Building Genetic Medicine: Breast Cancer, Technology, and the Comparative Politics of Health Care (MIT, 2007).
2000-02, Sander Gliboff (Ph.D., Johns Hopkins), Assoc. Prof., History and Philosophy of Science Dept., Indiana University-Bloomington. *H. G. Bronn, Ernst Haeckel, and the Origins of German Darwinism: A Study in Translation and Transformation* (MIT, 2008).
1999-2000, David Hoyt (Ph.D., UCLA), independent scholar.
1998-99, Florence Hsia (Ph.D., Chicago), Prof., History of Science Dept., University of Wisconsin-Madison.
Sojourners in a Strange Land: Jesuits and their Scientific Missions in Late Imperial China (Chicago, 2009).
1997-98, Francesca Bordogna (Ph.D., Chicago), Assoc. Prof. Liberal Studies, Notre Dame. *William James at the Margins: Philosophy, Science, and the Geography of Knowledge* (Chicago, 2008).

- 1996-97, Jeffrey Sklansky (Ph.D., Columbia), Assoc. Prof., History, University of Illinois-Chicago. *The Soul's Economy: Market Society and Selfhood in American Thought, 1820-1920* (North Carolina, 2002).
- 1995-96, Jessica Riskin (Ph.D., Berkeley), Prof., History Dept., Stanford University. *Science in the Age of Sensibility: The Sentimental Empiricists of the French Enlightenment* (Chicago, 2002); winner of the J. Russell Major Prize for the best book in French history from the AHA.
- 1994-95, Ayval [Ramati] Leshem (Ph.D., UCLA): independent scholar. *Newton on Mathematics and Spiritual Purity* (Kluwer, 2003).
- 1993-94, Sharon Ghamari-Tabrizi (Ph.D., UC Santa Cruz), independent scholar. *The Worlds of Herman Kahn: The Intuitive Science of Thermonuclear War* (Harvard, 2005).
- 1992-93, Mi Gyung Kim (Ph.D., UCLA), Prof., History Dept., North Carolina State University-Charlotte. *Affinity, That Elusive Dream: A Genealogy of the Chemical Revolution* (MIT, 2003).

GRADUATE TRAINING

Graduate training fields:

- History of science: Europe and America in the early modern and modern periods (specialities: Enlightenment science, 20th-century physics, science and law, science and politics, theories of scientific change)
- History of technology: Europe and America in the early modern and modern periods (specialities: engineering sciences, standardization, comparative Industrial Revolution, 20th-century American technology, theories of technological change and political economy)
- History of France (specialities in the Enlightenment and French Revolution)

Directed several dozen major and minor field exams in the history of science, technology and medicine, as well as exams in early modern Europe, and the history of France. Also served in this capacity for graduate students enrolled at the University of Chicago.

Current primary advisor

Kevin Baker (G5). Field: post-WWII science and technology in global context. Dissertation in progress: "Life after *Limits*: Scarcity Environmentalism, Global Politics and the Birth of Sustainability."

Melanie Hall (G4). Field: post-WWII science and technology in a planetary context.

Major dissertation advisor:

- Adam Plaiss (Ph.D. 2015). Currently Visiting Assistant Professor, Department of History, Northwestern University. Field: American technology. Co-winner of 2010 Romani Prize for best first-year paper for "The Creation of the American Road/Map System," published in Technology and History. Winner of the 2011-12 Lacey Baldwin Smith Prize for best Teaching Assistant. Dissertation: "The Rise of Technological Citizenship: Infrastructure in Progressive Era America," 2015.
- Genevieve Carlton (Ph.D. 2011; main advisor Ed Muir). Currently tenure-track Assistant Professor of History, University of Louisville. Field: Early modern Italian culture and cartography. Book based on dissertation: *Worldly Consumers: The Demand for Maps in Renaissance Italy* (Chicago, 2015).
- Meghan Roberts (Ph.D. 2011; main advisor Sarah Maza). Currently tenure-track Assistant Professor of History, Bowdoin College. Field: French Enlightenment and science. Winner of Javits Fellowship; Northwestern Presidential Fellowship. Book based on dissertation: *Living Proof: Intellectual Families and Knowledge Making in Enlightenment France* (University of Chicago Press, [2016]).

Elise Lipkowitz (Ph.D., 2009). Currently AAAS Fellow with the NSF Board of Overseers; formerly Michigan Society of Fellows, 2009-13. Field: Eighteenth-century Atlantic science. Winner of 2003 Romani Prize for best first-year paper; NSF dissertation research grant; Weinberg College research grant. Dissertation: "The Sciences Are Never at War?: The Scientific Republic of Letters in the Era of the French Revolution, 1789-1815."

Guy Ortolano (Ph.D. 2005; main advisor T. W. Heyck). Currently tenured Associate Professor of History, New York University. Field: Modern British culture and science. Winner of Frankel Fellowship; British Union Fellowship; de Karman fellowship; SHC Initiative Fellowship; Northwestern Presidential Fellowship. Book based on dissertation: *The Two-Cultures Controversy: Science, Literature, and Cultural Politics in Postwar Britain* (Cambridge, 2009).

Christopher Tassava (Ph.D. 2003). Currently Adjunct Professor, Carleton College, Minnesota. Field: Twentieth-century American technology. Winner 1998 Romani Prize for best first-year paper; Frankel Fellowship; SHC Initiative Fellowship. Dissertation: "Launching a Thousand Ships: Entrepreneurs, War Workers, and the State in American Shipbuilding, 1940-1945."

Dario Gaggio (Ph.D. 1999). Currently tenured Associate Professor, Department of History, University of Michigan, Ann Arbor. Field: European social history and technology. Winner of 1993 Romani Prize for best first-year paper; Italian government fellowship. Book based on dissertation: *In Gold We Trust: Social Capital and Economic Change in the Italian Jewelry Towns* (Princeton University Press, 2007).

Current students with whom I am working closely. (I am on the committees of several other students as well.)

Aileen Robinson (G7; main advisor Tracy Davis, Theater Studies). Field: Victorian Theater. Prospective dissertation: "Technological Wonder: The Theatrical Fashioning of Scientific Knowledge, 1780-1905." Winner of grants from the SSRC, the NSF and the American Society for Theater Research.

Jaimie Morse (G7; advisor Steven Epstein, Sociology). Field: Sociology of science/medicine. Prospective dissertation: "Technologies of Bearing Witness: The Politics of Knowledge Production, Commemoration, and Memory Formation in the Context of Mass Atrocities." Winner of grant from the SSRC.

Matthew June (G6, main advisor Michael Allen). Field: U.S. 20th century. Prospective dissertation: "Users and Abusers: The Food and Drug Administration and the Foundations of the Federal 'War on Drugs.'"

Blake Smith (G5; main advisor Sarah Maza). Field: French Enlightenment and colonialism. Prospective dissertation: "Unbalanced Powers: French Diplomacy in South Asia and the Problem of 'Despotism,' 1763-1803." Winner of Romani Prize.

Jessica Biddlestone (G4, main advisor Sarah Maza). Field: modern colonial France. Prospective dissertation: "The Conquest of Antiquity: Archaeology and Empire in French North Africa."

Joel Penning (G4, main advisor Ed Muir). Field: Renaissance Italy. Prospective dissertation: "City Walls and Civic Culture: Urban Fortification in Renaissance Italy."

Member of dissertation committee. Below is a partial list of the other Ph.D. recipients with whom I have worked closely. I have also served on the dissertation committees of an additional dozen or so Ph.D. candidates in the history of science, French Revolution, and American history, and am currently on the dissertation committees of another half-dozen candidates for the Ph.D.

Teri Chettiar (Ph.D. 2013; main advisor Alex Owen). Currently Postdoctoral fellow in the history of knowledge at the Max Planck Institute for the History of Science, Berlin. Field: Modern British history and psychology. Dissertation: "Democratic Subjects, Therapeutic Experiments in Community and the Emergence of a Psychiatric Politics in Britain, 1948-1970."

Bernard Geoghegan (Ph.D. 2012 NU, School of Communication; main advisor Sam Weber). Currently Postdoctoral fellow, Humboldt University, Berlin. Field: history of the information sciences. Winner of Javits fellowship; Science Politique fellowship. Dissertation: "Theaters of Information: Media, Sites, and Cultures of Postwar Communications Sciences."

William M. Cavert (Ph.D. 2011; main advisor Ethan Shagan). Currently Assistant Professor, Dept. of History, St. Thomas University, St. Paul, Minn.; formerly fellow at Claire College, Cambridge University, 2011-14. Field: Early modern British environmental history. Winner of ACLS Mellon Fellowship, 2010-11; Huntington Library Francis Bacon Foundation Fellowship, 2010-11; Nijhoff Award in Policy Implications of Science, 2008. Dissertation: "Producing Pollution: Coal, Smoke, and Society in London 1550-1750."

Darcy Hughes Heuring (Ph.D. 2011; main advisor Alex Owen). Currently Earl S. Johnson Instructor, Masters of Arts Program in the Social Sciences, University of Chicago. Field: Modern British and colonial medicine. Winner of 2003 Romani Prize for best first-year paper; Shryock Medal from the American Association for the History of Medicine; Mellon Fellowship at the Institute of Historical Research, London; Northwestern Presidential fellowship. Dissertation: "Colonial Health and the Responsibilities of Empire: Great Britain, American Philanthropy, and the Problem of 'Improvement' in the Early Twentieth-Century British West Indies."

Andrew Wehrman (Ph.D. 2011; advisor T. H. Breen). Currently tenure-track Assistant Professor, Central Michigan University. Field: Colonial American history of medicine. Dissertation: "The Contagion of Liberty: Medicine, Class, and Popular Politics in the American Revolution"

Matt Sterenberg (Ph.D. 2007; main advisor T. W. Heyck). Currently tenure-track Assistant Professor of European History, Waseda University, Japan. Field: Twentieth-century British intellectual history. Winner of Science in Human Culture Initiative Fellowship. Book based on dissertation: *Mythic Thinking in Twentieth-Century Britain: Meaning for Modernity* (Palgrave, 2013).

Christopher Hayden (Ph.D., 2007; main advisor Jonathan Glassman). Field: History of African medicine. Winner: Fulbright grant for Africa; Panofsky fellowship. Dissertation topic: "Of Medicine and Statecraft: Early Colonial Smallpox Vaccination in French West Africa (Senegal and Guinea)."

Dana Jean Simmons (Ph.D. 2004, History, U. Chicago; main advisor Jan Goldstein). Currently tenured Associate Professor, Department of History, University of California, Riverside. Field: modern European political economy and science. Winner of Javits fellowship, Harper fellowship, postdoctoral fellow at the Max Planck Institute of Berlin. Book based on dissertation, *Needs, Nature and Inequality in Modern France* (University of Chicago Press, 2014).

Karl Appuhn (Ph.D. 1999; main advisor Ed Muir). Currently tenured Associate Professor, Department of History, New York University. Field: Early modern European environmental history. Book based on dissertation: *A Forest on the Sea: Environmental Expertise in Renaissance Venice* (Johns Hopkins University Press, 2009); winner of Herbert Baxter Adams Prize from AHA, Weyerhaeuser Prize for best book in conservation history, and the Delmas Prize for best book in Venetian studies.

Leah Ceccarelli (Ph.D. 1994 in School of Speech, Northwestern; main advisor Jack Leff). Currently Associate Professor, Department of Speech, University of Washington, Seattle. Field: Rhetoric of science. Winner of 1996 Gerald R. Miller Outstanding Dissertation Award from the National Communication Association. Book based on dissertation: *Shaping Science with Rhetoric: The Cases of Dobzhansky, Schrödinger, and Wilson* (University of Chicago Press, 2001).

Graduate course offerings:

Literature in the History of Science (History 484). This seminar reads an evolving syllabus that considers the development of science in its social and political context from the 15th century to the present. In recent years, the course has examined the processes by which certain features of the world have come to be marked out as "natural."

Historical Methods: Material Culture (History 405). This methods/theory seminar explores how historians can reframe their questions through attention to material objects. The scope is world-wide and considers a wide array of historical periods. The course focuses on methods from such disciplines as anthropology, science studies, literary criticism, and political theory, among others. The assignments are all based on real academic "short form" writing: peer-review essays, blurbs, book reviews, etc.

First-Year Research Seminar in History (History 570). This gateway seminar for first-year graduate students in History is offered as a two-quarter sequence with a rotating syllabus. It invites first-year students to consider various historical, analytical, and literary methods as they prepare first-year research papers that aspire to be of publishable quality.

UNDERGRADUATE TEACHING

History of Early Modern Science and Medicine (History 275-1). This mid-sized lecture course (c. 90 students) surveys the rise of the natural and social sciences in the seventeenth and eighteenth centuries, with a focus on the utopian promise of science and technology in a period riven by political and religious factionalism. The course covers artisanal knowledge; the occult sciences, astronomy and the new mechanics; views of sex and race; and the emergence of “social science” in the Enlightenment.

History of Modern Science and Medicine (History 275-2). This large lecture course (c. 180 students) surveys science and medicine in the nineteenth and twentieth centuries, with a focus on the development of scientific knowledge in its social, political, and cultural context. First, it examines the Faustian bargain struck by physical scientists as they sought to transform knowledge into power (including such technologies as telecommunications and the atom bomb); then it tracks relations between the life sciences and social values from the age of Darwin to contemporary genomics.

History of American Technology (H325). This upper-division lecture course (c. 60-90 students) surveys two hundred years of American history through the study of technology and material culture. It begins with the debates over industrialization in the colonial and Revolutionary era, and it ends with the debates over the computer and digital revolutions. Students write an original research paper in a novel format that allows them to work intensely with an instructor, including me.

Science and Law: The History of an Encounter (History 378). This mid-sized upper-division lecture course (c. 45-90 students) examines the changing relationship between the modern world’s two principal “theaters of proof”: the laboratory and the courtroom. The class compares Anglo-American and Continental approaches since the 17th century. One major theme is the development of the forensic sciences; another is intellectual property. Students write an original research paper.

The Computer Revolution (Humanities 395). This upper-division humanities seminar looks at the information revolution of the past forty years and its role in the transformation of the workplace, the economy, democratic politics, and our notions of community and identity.

Technology: History, Society, Economy (History 375-1,2). This two-quarter, interdisciplinary upper-division seminar examines the history, sociology, and economics of technology in Europe and America from the Middle Ages to the present day. Co-taught with Joel Mokyr, Professor of Economics and History.

Science and Democracy in Revolutionary Atlantic (History 392). This upper division history seminar considers the relationship of science and politics in the era of the Enlightenment and the Atlantic revolutions in France and America. Examines the extent to which scientific innovation was coupled to political and social transformations on both sides of the Atlantic.

Science and the Good Life (History 101). This seminar course for first-year students (and sometimes for more advanced students) examines the relationship between the scientific and literary imagination from the Victorian period to Sputnik. The class focuses on the Anglo-American and Central European cultural spheres. Students compare scientific memoirs and imaginative portrayals of the scientific life, and write a series of essays on their readings.

Honors Seminar (History 398). As the three-time director of the senior thesis honors program in the Department of History at Northwestern, I supervised and advised some fifty senior theses on a vast range of historical topics. I have also served as the individual faculty advisor to nearly a dozen senior theses. Several of these students are now faculty members in history departments.