

Curriculum Vitae

Name: Lorraine Jenifer Daston

Address: Max-Planck-Institut für Wissenschaftsgeschichte
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Current Positions: Director, Max Planck Institute for the History of Science, Berlin, Federal Republic of Germany 1995 -
Visiting Professor, Committee on Social Thought, University of Chicago 2005 -
Permanent Fellow, Wissenschaftskolleg zu Berlin 2008 -
Research Associate, Department of History, University of Chicago 1997-

Past Employment: Professor, History/History of Science, University of Chicago 1992-1997
Professor and Director, Institut für Wissenschaftsgeschichte, Georg-August Universität, Göttingen, Federal Republic of Germany 1990-1992
Associate Professor, History/History of Science, Brandeis University, Dibner Chair for the History of Science 1986-1990
Assistant Professor, History/History of Science, Princeton University 1983-1986
Assistant Professor, History of Science, Harvard University 1980-1983

Visiting Positions: Visiting Professor, Committee on Social Thought and Department of History, University of Chicago October-December 1998, 2005 -

Visiting Professor, Department of the History of Science, Harvard University	2002-2003
Directeur d'études invité, École des Hautes Études en Sciences Sociales, Paris	April 1992, March 1997, March 2000, January 2008
Visiting Professor, Institut für Wissenschaftstheorie und Wissenschaftsforschung, University of Vienna	Spring, 1989
Maître de conférences invité, École des Hautes Études en Sciences Sociales, Paris	March, 1988

Education:

Ph.D.	Harvard University, History of Science	1979
Diploma*	University of Cambridge, History and Philosophy of Science	1975
A.B.	Harvard University (<u>summa cum laude</u>), History and Science	1973

(*The Diploma is the approximate equivalent of an American Master's degree, requiring a year of graduate course work and a thesis.)

Distinguished Lectureships:

Faber Lecture, Princeton University	May 2018
Lunn Lecture, University of California at Davis	April 2018
Annual Lecture, Norwegian Academy of Sciences	March 2018
Annual Lecture, German Historical Institute, Washington, D.C.	November 2017
Solomon Katz Lecture, University of Washington	April 2017
Vice Chancellor's Lecture, University of Warwick	March 2017
Page-Barbour Lectures, University of Virginia	April 2016
Martin Buber Lecture, Israeli Academy of Sciences	October 2014
Lawrence Stone Lectures, Princeton University	April 2014
Humanitas Lecture in the History of Ideas, University of Oxford	January 2013
Una's Lecture, University of California at Berkeley	April 2011
West Lectures, Stanford University	February 2005

Church Lecture in Early Modern History, Brown University	November 2003
History of Science Society Distinguished Lecture	November 2002
Tanner Lectures, Harvard University	November 2002
Leibniz Lectures, Universität Hannover	Summer Semester 2000
Isaiah Berlin Lecturer in the History of Ideas, Oxford University	April-May 1999

Honors and Fellowships:

Dan David Prize	2018
Member, American Philosophical Society	2017
Honorary doctorate of humane letters, Hebrew University	2016
Bielefelder Wissenschaftspreis	2014
Lichtenberg Medaille, Akademie der Wissenschaften zu Göttingen	2014
Honorary doctorate of humane letters, Princeton University	2013
Schelling Preis, Bayerische Akademie der Wissenschaften	2012
Sarton Medal, History of Science Society, „for lifetime scholarly achievement“	2012
Fellow, Institut des études avancées, Paris	2010
Bundesverdienstkreuz mit Grossem Stern, Federal Republic of Germany	2010
Orden pour le Mérite, Federal Republic of Germany	2010
Fellow, Siemens-Stiftung, Munich	2009/2010
Book prize „Das Historische Buch 2008/Offene Kategorie“ (with Peter Galison, for <i>Objectivity</i>)	2007
Bainton Prize, Sixteenth Century Studies Conference (with Katharine Park, for best book in area History and Theology)	1999
Pfizer Prize, History of Science Society (with Katharine Park; for best book by a North American author in the History of Science in the previous three years)	1999
Guggenheim Fellowship	1994-95
Research Fellow, Zentrum für interdisziplinäre Forschung, Universität Bielefeld	1991-92
National Science Foundation Scholar's Grant	1990

Pfizer Prize, History of Science Society (for best book by a North American author in the History of Science in the previous three years)	1989
Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford	1989-90
Fellow, Wissenschaftskolleg zu Berlin	1987-88
Alexander Humboldt Stipendium	1986-87
Howard Foundation Fellowship	1985-86
Deutscher Akademischer Austauschdienst Study Grant	1984
National Endowment for the Humanities, Travel to Collections Grant	1984
Research Fellow, Zentrum für interdisziplinäre Forschung, University of Bielefeld	1982-83
Clark Fund Research Grant, Harvard University	1981
Fellow, Society of Fellows in the Humanities, Columbia University	1979-80
Arthur Lehman Graduate Fellowship	1977-78
Schuman Prize, History of Science Society (for best student essay on science and its cultural relations)	1975
National Science Foundation Graduate Fellowship	1973-76
Phi Beta Kappa	1972
Sigma Xi	1972

Current Research:

Orders: The Normative and the Natural

book on the relationship between natural and moral orders

Rules: A Short History of What We Live by

Book on the history of rules from the Middle Ages to the present; under advance contract with Princeton University Press

Membership in Academies:

British Academy, Corresponding Member	2010-
Académie Internationale d'Histoire des Sciences, Paris	2006-
Nationale Akademie der Wissenschaften Leopoldina	2002-
Berlin-Brandenburgische Akademie der Wissenschaften	1998-
American Academy of Arts and Sciences, Fellow	1993-

Membership in Professional Societies:

History of Science Society
 American Historical Association
 Deutsche Gesellschaft für Geschichte der Medizin,
 Naturwissenschaft und Technik e.V.

Publications:

Books

Gegen die Natur, (Berlin: Verlag Matthes & Seitz, 2018)/ English edition: *Against Nature* (Cambridge, MA: MIT Press, 2019).

(ed.), *Science in the Archives: Pasts, Presents, Futures* (Chicago: University of Chicago Press, 2017).

(with Robert J. Richards, eds.), *Kuhn's Structure of Scientific Revolutions at Fifty* (University of Chicago Press, 2016).

(with Paul Erikson et al.), *How Reason Almost Lost Its Mind: The Strange Career of Cold War Rationality* (University of Chicago Press, 2014).

(with Elizabeth Lunbeck, eds.), *Histories of Scientific Observation* (Chicago: University of Chicago Press, 2011). Spanish translation underway.

(with Michael Stolleis, eds.), *Natural Law and Laws of Nature in Early Modern Europe* (Farnham Surrey: Ashgate, 2008).

(with Peter Galison), *Objectivity* (New York: Zone Books, 2007) (Recipient of prize „Das Historische Buch 2008/Offene Kategorie“. German translation 2007; French translation 2012, Japanese, Russian, and Polish translations underway.)

(with Katharine Park, eds.), *The Cambridge History of Early Modern Science* (New York: Cambridge University Press, 2006)

(with Christoph Engel, eds.), *Is There Value in Inconsistency?* (Baden-Baden: Nomos, 2006)

(with Gregg Mitman, eds.), *Thinking with Animals: New Perspectives on Anthropomorphism* (New York: Columbia University Press, 2005)

(ed.) *Things that Talk. Object Lessons from Art and Science* (New York: Zone Books, 2004)

(with Fernando Vidal, eds.) *The Moral Authority of Nature* (Chicago/London: University of Chicago Press, 2004)

(with Gianna Pomata, eds.) *The Faces of Nature in Enlightenment Europe*, (Berlin: BWV Berliner Wissenschafts-Verlag GmbH, 2003)

Wunder, Beweise und Tatsachen. Zur Geschichte der Rationalität (Frankfurt am Main: Fischer Taschenbuch Verlag, 2001).

Eine kurze Geschichte der wissenschaftlichen Aufmerksamkeit (München: Carl Friedrich von Siemens Stiftung, 2001).

(ed.) *Biographies of Scientific Objects*, (Chicago/London: University of Chicago Press, 2000).

(with Katharine Park). *Wonders and the Order of Nature*, (New York: Zone Books, 1998). Recipient of Pfizer Prize, History of Science Society, 1999; Bainton Prize (History and Theology) of Sixteenth Century Studies Conference, 1999. Translated into Italian (2000); translated into German (2002).

German translation: (with G. Gigerenzer et al.). *Das Reich des Zufalls. Wissen zwischen Wahrscheinlichkeiten, Häufigkeiten und Unschärfen* (Heidelberg, Berlin: Spektrum Akademischer Verlag, 1999).

(with G. Gigerenzer et al.). *The Empire of Chance*, (Cambridge: Cambridge University Press, 1989).

Classical Probability in the Enlightenment (Princeton: Princeton University Press, 1988).
Recipient of the Pfizer Prize, History of Science Society, 1989.

(with Lorenz Krüger and Michael Heidelberger, eds.), *The Probabilistic Revolution. Vol. I: Ideas in History* (Cambridge, MA: MIT Press, 1987). Recipient of American Association of Scholarly Publishers Award for best book in Philosophy and the Social Sciences, 1987. Translated into Japanese.

Articles and Book Chapters:

2019

- a) „The Coup d’Oeil: On a Mode of Understanding,” *Critical Inquiry* 45(2019): 307-331.

2018

- a) „Kreative Missverständnisse. Zum Begriffspaar objektiv/subjektiv im englischen Sprachgebrauch des 19. Jahrhunderts,” in Johannes Feichtinger, Marianne Klemum, Jan Surman, and Petra Savatek, eds., *Wandlungen und Bruuche. Wissenschaftsgeschichte als Politikgeschichte* (Göttingen: V&R unipress, 2018), pp. 23-27.
- b) „Divided Souls: Stuart Hampshire’s *Justice Is Conflict*,” *Social Research* 85(2018): 573-583.
- c) “Calculation and the Division of Labor, 1750-1950,” *Bulletin of the German Historical Institute* 62(2018): 9-30.

2017

- a) „Third Nature,” and „The Time of the Archives,” Introduction and Epilogue to *Science in the Archives: Pasts, Presents, Futures*, ed. Lorraine Daston (Chicago: University of Chicago Press, 2017), pp. 1-14, 329-332.
- b) „The Immortal Archive: Nineteenth-Century Science Imagines the Future,” in *Science in the Archives: Pasts, Presents, Futures*, ed. Lorraine Daston (Chicago: University of Chicago Press, 2017), pp. 159-182.
- c) “The History of Science and the History of Knowledge,” *KNOW* 1(2017): 1-25.
- d) „What Is an Insurable Risk? Swiss Re and Atomic Reactor Insurance,” in Niels Viggo Haueter and Geoffrey Jones, eds., *Managing Risk in Reinsurance. From City Fires to Global Warming* (Oxford: Oxford University Press, 2017), pp. 230-247.

2016

- a) "History of Science without Structure," in Robert J. Richards and Lorraine Daston, eds., *Kuhn’s Structure of Scientific Revolutions at Fifty* (Chicago: University of Chicago Press, 2016).
- b) "Die Zukunft der GDNÄ -- die GDNÄ der Zukunft," in Eva-Maria Neher, ed., *Menschen und Ideen. Die Gesellschaft Deutscher Naturforscher und Ärzte 1822-2016* (Göttingen: Wallstein Verlag, 2016), pp. 11-13.
- c) „Cloud Physiognomy,” *Representations* 135 (2016): 45-71.

- d) „Authenticity, Autopsia, and Theodor Mommsen’s *Corpus Inscriptionum Latinarum*,“ in Ann Blair and Anja-Silvia Goeing, eds., *For the Sake of Learning: Essays in Honor of Anthony Grafton*, 2 vols. (Leiden: Brill, 2016), vol. 2, pp. 955-973.
- e) „Kitcher on Science, Democracy, and Human Flourishing,“ in Mark Couch and Jessica Pfeifer, eds., *The Philosophy of Philip Kitcher* (New York: Oxford University Press, 2016), pp. 206-223.
- f) " When Science Went Modern," *Hedgehog Review* 18(2016): 18-32.

2015

- a) „Super-Vision: weather watching and table reading in the early modern Royal Society and Académie Royale des Sciences“, *Huntington Library Quarterly*, 78(2), (2015): 187-215.
- b) (with Glenn W. Most) "The History of Science and the History of Philologies," *Isis* 106 (2015): 378-390.
- c) „At the center and the periphery: Joseph Pitton de Tournefort botanizes in Crete“ in Arabatzis, Theodore; Renn, Jürgen; Simões, Ana [eds.], *Relocating the History of Science : Essays in Honor of Kostas Gavroglu*, Dordrecht [u.a.]: Springer (2015), pp. 85-98.
- d) „Epistemic Images,“ in Alina Payne, ed., *Vision and Its Instruments: Art, Science, and Technology in Early Modern Europe* (College Station: Penn State University Press, 2015): 13-35.

2014

- a) „Gemeinschaftliches Sehen. Zur frühneuzeitlichen Zusammenarbeit zwischen Künstlern und Naturforschern,“ in Hermann Parzinger, Steven Aue, and Günter Stock, eds., *ArteFakte: Wissen ist Kunst, Kunst ist Wissen* (Bielefeld: transkript Verlag, 2014), pp. 69-82.
- b) „Objectivity and Impartiality: Epistemic Virtues in the Humanities,“ in Rens Bod, Jaap Maat, and Thijs Weststeijn, eds., *The Making of the Humanities*, vol. III: *The Modern Humanities* (Amsterdam: Amsterdam University Press, 2014): 27-42; German translation in Andreas Gelhard, Ruben Hackler, and Sandro Zanetti, eds., *Epistemische Tugenden. Geschichte und Gegenwart eines Konzepts* (Reihe: Historische Wissensforschung, HWF, 2017).
- c) „The Naturalistic Fallacy Is Modern,“ *Isis* 105(2014): 579-587.

2012

- a) „The Sciences of the Archives,“ *Osiris* 27(2012): 156-187.
- b) „Structure,“ (on the occasion of the 50th anniversary of the publication of Thomas S.Kuhn, *The Structure of Scientific Revolutions*), *Historical Studies in the Natural Sciences* 42(2012): 496-499.
- c) „When Was Modernity, and Why Do We Care?“, in Cathrin Pichler and Susanne Neuberger, eds., *The Moderns: Wie sich das 20. Jahrhundert in Kunst und Wissenschaft Erfunden Hat* (Vienna: Springer, 2012), pp. 143-159.
- d) „Why Not Just One More Rule?“, in Mamadou Diawara, Klaus Günther, and Reinhart Meyer-Kalkus, eds., *Über das Kolleg hinaus: Joachim Nettelbeck, dem Sekretär des Wissenschaftskollegs* (Berlin: Wissenschaftskolleg zu Berlin, 2012), pp. 61-64.

2011

- a) „Doppelgänger: la science au miroir de l’art, histoires parallèles,“ in *Perspective. La revue de l’INHA* 3 (2011): 405-407.
- b) „The Empire of Observation, 1600-1800,“ in Lorraine Daston and Elizabeth Lunbeck, eds., *Histories of Scientific Observation* (Chicago: University of Chicago Press, 2011), pp. 81-113.
- c) (with Elizabeth Lunbeck), „Introduction: Observation Observed,“ in Lorraine Daston and Elizabeth Lunbeck, eds., *Histories of Scientific Observation* (Chicago: University of Chicago Press, 2011), pp. 1-9.
- d) „Projection and Perfect Passivity,“ in Natascha Adamowsky et al., eds., *Affektive Dinge: Objektberührungen in Wissenschaft und Kunst* (Göttingen: Wallstein, 2011), pp. 24-50.

2010

- a) „The Humboldtian Gaze,“ in Moritz Epple and Claus Zittel, eds., *Science as Cultural Practice, vol. I: Cultures and Politics of Research from the Early Modern Period to the Age of Extremes* (Berlin: Akademie Verlag, 2010), pp. 45-60.
- b) „Human Nature Is a Garden,“ *Interdisciplinary Science Reviews* 35(2010): 215-230.
- c) „Pourquoi la nature a-t-elle une autorité morale, et doit-elle en avoir une?“ in Alain Prochiantz, ed., *Darwin: 200 ans* (Paris: Odile Jacob, 2010), pp. 243-258.

2009

- a) „A Story without an Ending,“ in David Cayley, ed., *Ideas on the Nature of Science* (Fredericton, Canada: Goose Lane Editions, 2009), pp. 34-52.
- b) „The World in Order,“ in David Albertson and Cabell King, eds., *Without Nature? A New Condition for Theology* (New York: Fordham University Press, 2009), pp. 15-33.
- c) „Science Studies and the History of Science,“ *Critical Inquiry* 35 (Summer 2009): 798-813.

2008

- a) „Unruly Weather: Natural Law Confronts Natural Variability,“ in Lorraine Daston and Michael Stolleis, eds., *Natural Law and Laws of Nature in Early Modern Europe. Jurisprudence. Theology, Moral and Natural Philosophy* (Farnham: Ashgate, 2008): 233-248.
- b) „Monomanie in der Wissenschaft,“ in Heinrich Meier, ed., *Über das Glück* (Munich: Piper, 2008), pp. 221-252.
- c) (with Peter Galison), „Objectivity and Its Critics,“ *Victorian Studies* 50(2008): 666-677.
- d) „Toward a History of Reason,“ in Marco Beretta, Karl Grandin, and Svante Lindquist, eds., *Aurora Torealis: Studies in the History of Science and Ideas in Honor of Tore Frängsmyr* (Sagamore Beach, MA: Science History Publications, 2008), pp. 165-180.
- e) „A Short History of Einstein’s Paradise beyond the Personal,“ in Peter L. Galison, Gerald Holton, and Silvan S. Schweber, eds., *Einstein for the 21st Century: His Legacy in Science, Art, and Modern Culture* (Princeton: Princeton University Press, 2008), pp. 15-26.
- f) „On Scientific Observation,“ *Isis* 99(2008): 97-110.
- g) „Life, Chance, and Life Chances,“ *Daedalus* 137(2008): 5-14.

2007

- a) „The History of Emergences: Review Essay of Ian Hacking, *The Emergence of Probability*, 2nd ed.,” *Isis* 98(2007): 801-808.
- b) (with Mary Baine Campbell, Arnold I. Davidson, John Forrester, and Simon Goldhill), „Enlightenment Now: Reflections on Knowledge and Belief,” *Common Knowledge* 13(2007): 429-450.
- c) „Condorcet and the Meaning of Enlightenment,” *Proceedings of the British Academy* 151(2007): 113-134. (German version: „Condorcet und das Wesen der Aufklärung,” *Zeitschrift für Ideengeschichte* 4(2007): 59-84.)
- d) „Ørsted and the Rational Unconscious,” in R.M. Brain, R.S. Cohen, and O. Knudsen, eds., *Ørsted and the Romantic Legacy in Science: Ideas, Disciplines, Practices*, Boston Studies in the Philosophy of Science, vol. 241 (2007), pp. 235-246.
- e) „Working in Parallel, Working Together,” in Kostas Gavroglu and Jürgen Renn, eds., *Positioning the History of Science*, Boston Studies in the Philosophy of Science, vol. 248 (Dordrecht: Springer, 2007), pp. 35-38.

2006

- a) „Comment on Nancy Cartwright, ‚Against the System’,” in Christoph Engel and Lorraine Daston, eds., *Is There Value in Inconsistency?* (Baden-Baden: Nomos, 2006), pp. 39-46.
- b) „The Center Cannot Hold,” in *Scientia Poetica* 10(2006): 231-236.
- c) (with Peter Galison), „Wissenschaftliche Koordination als Ethos und Epistemologie,” in Helmar Schramm, Ludger Schwarte, and Jan Lazardig, eds., *Instrumente in Kunst und Wissenschaft. Zur Architektonik kultureller Grenzen im 17. Jahrhundert* (Berlin/New York: Walther de Gruyter, 2006), pp. 319-361. (English version: „Scientific Coordination as Ethos and Epistemology,” in Helmar Schramm, Ludger Schwarte, and Jan Lazardig, eds., *Instruments in Art and Science: On the Architectonics of Cultural Boundaries in the 17th Century* (Berlin: De Gruyter, 2008), pp. 296-333.)

2005

- a) „Bilder der Wahrheit, Bilder der Objektivität,” in Jörg Huber, ed., *Einbildungen* (Zürich: Edition Voldemeer, 2005), pp. 117-153.
- b) „Intelligences: Angelic, Animal, Human,” in Lorraine Daston and Gregg Mitman, eds., *Thinking with Animals: New Perspectives on Anthropomorphism* (New York: Columbia University Press, 2005), pp. 37-58.
- c) „The History of Science as European Self-Portraiture,” Praemium Erasmianum Essay 2005 (Amsterdam: Erasmus Foundation, 2005); reprinted in *European Review* 14(2006): 523-536.
- d) „Scientific Error and the Ethos of Belief,” *Social Research* 72(2005): 1-28.
- e) „Description by Omission: Nature Enlightened and Obscured,” in John Bender and Michael Marrinan, eds. *Regimes of Description: In the Archive of the Eighteenth Century* (Stanford: Stanford University Press, 2005), pp. 11-24.

2004

- a) „1789, June 2: Disciplines of Attention,” in David E. Wellbery, ed. *A New History of German Literature* (Cambridge, Mass.: Harvard University press, 2004), pp. 434-440.

- b) „Type Specimens and Scientific Memory,” in: *Critical Inquiry* 31(2004): 153-182.
- c) „Taking note(s),” in: *Isis* 95 (2004): 443-448.
- d) „The Glass Flowers,” in: Lorraine Daston, ed., *Things that Talk: Object Lessons from Art and Science* (New York: Zone Books, 2004), pp. 223-254. German translation in Anke Ortlepp and Christoph Ribbat, eds., *Mit den Dingen Leben* (Stuttgart: Frank Steiner, 2010), pp. 123-154.
- e) „Introduction: Speechless,” in: Lorraine Daston, ed., *Things that Talk: Object Lessons from Art and Science* (New York: Zone Books, 2004), pp. 9-24.
- f) „Attention and the Values of Nature in the Enlightenment,” in: Lorraine Daston and Fernando Vidal, eds., *The Moral Authority of Nature* (Chicago: University of Chicago Press, 2004), pp. 100-126. Reprinted in abridged form in Elizabeth Edwards and Kaushik Bhaumik, eds., *Visual Sense: A Cultural Reader* (Oxford/ New York: Berg, 2008), pp. 107-114.
- g) (with Fernando Vidal), „Introduction: Doing What Comes Naturally,” in: Lorraine Daston and Fernando Vidal, eds., *The Moral Authority of Nature* (Chicago: University of Chicago Press, 2004), pp. 1-20.
- h) „I. The Morality of Natural Orders: The Power of Medea,” and „II. Nature's Customs versus Nature's Laws,” in: Grethe B. Peterson, ed., *The Tanner Lectures on Human Values*, (Salt Lake City: The University of Utah Press, vol. 24, 2004): 371-392, 392-411.
- i) (with Joan Richards), „I. Bernard Cohen,” in: *Physics Today*, volume 57, number 7, July 2004, Obituaries, p. 75.

2003

- a) „Gedankensysteme. Kommentar zu Arnold Davidsons 'Über Epistemologie und Archäologie. Von Ganguilhem zu Foucault,’” in: Axel Honneth und Martin Saar, eds., *Michel Foucault - Zwischenbilanz einer Rezeption*, (Frankfurt am Main: Suhrkamp Verlag, 2003): 212-219.
- b) (with H. Otto Sibum), „Introduction: Scientific Personae and Their Histories,” *Science in Context* 16 (2003): 1-8.
- c) „Early Modern History Meets the History of the Scientific Revolution. Thoughts towards a Rapprochement,” in: Helmut Puff, Christopher Wild, eds., *Zwischen den Disziplinen? Perspektiven der Frühneuzeitforschung*, (Göttingen, Wallstein Verlag, 2003): 37-54.
- d) „Die wissenschaftliche Persona. Arbeit und Berufung,” in: Theresa Wobbe, ed., *Zwischen Vorderbühne und Hinterbühne. Beiträge zum Wandel der Geschlechterbeziehungen in der Wissenschaft vom 17. Jahrhundert bis zur Gegenwart*, (Bielefeld: transcript Verlag, 2003): 109-136.
- e) „Verschnörkelte Wissenschaft,” in: Barbara Duden, Karen Hagemann, Regina Schulte, Ulrike Weckel, eds., *Geschichte in Geschichten. Ein historisches Lesebuch*, (Berlin, Frankfurt/New York: Campus Verlag, 2003): 52-57.
- f) (with Gianna Pomata), „The Faces of Nature: Visibility and Authority,” in: Lorraine Daston, Gianna Pomata, eds., *The Faces of Nature in Enlightenment Europe*, (BWV Berliner Wissenschafts-Verlag, 2003): 1-16.
- g) „Die Akademien und die Neuerfindung der Erfahrung im 17. Jahrhundert,” in: *Nova Acta Leopoldina* NF 87, Nr. 325, 2003: 15-33.

2002

- a) „Curiosità e studio della natura,” in: Sandro Petruccioli, ed., *Storia della scienza*, 10 vols., vol. V, (Roma: Istituto della Enciclopedia Italiana, 2002): 198-212.
- b) „Knowledge and science: the new history of science,” in: Miguel Herrero y Rodriguez de Miñón, Johannes-Michael Scholz, eds., *Las Ciencias Sociales y la Modernización, La Función de las Academias*, (Madrid: Real Academia de Ciencias Morales y Políticas, 2002): 33-52.
- c) „Baconische Tatsachen,” in *Rechtsgeschichte. Zeitschrift des Max-Planck-Instituts für europäische Rechtsgeschichte*, (2002): 36-55.
- d) „Eine Geschichte der wissenschaftlichen Objektivität,” in: Renate Mayntz, ed., *Akteure-Mechanismen-Modelle. Zur Theorienfähigkeit makro-sozialer Analysen*, (Frankfurt/New York: Campus Verlag, 2002): 44-60.
- e) „Die Lust an der Neugier in der frühneuzeitlichen Wissenschaft,” in: Klaus Krüger, ed., *Curiositas. Welterfahrung und ästhetische Neugierde in Mittelalter und früher Neuzeit*, (Göttinger Gespräche zur Geschichtswissenschaft, Vol. 15), (Göttingen: Wallstein Verlag, 2002): 147-175.
- f) „Neuigkeit, Neugierde, Erneuerung,” in: Wilhelm Voßkamp, ed., *Ideale Akademie, Vergangene Zukunft oder konkrete Utopie?*, (Berlin: Akademie Verlag GmbH, 2002): 17-29.
- g) (with Peter Galison), „Das Bild der Objektivität,” in: Peter Geimer, ed., *Ordnungen der Sichtbarkeit - Fotografie in Wissenschaft, Kunst und Technologie*, (Frankfurt am Main: Suhrkamp taschenbuch wissenschaft 1538, 2002): 29-99. German Translation of no. 30.

2001

- a) „History of Science,” in N.J. Smelser and P.B. Baltes, eds., *International Encyclopedia of the Social and Behavioral Sciences*, 26 Vols.(Oxford: Pergamon, 2001), Vol. 10: 6842-6848. Revised for the 2nd ed. of 2015.
- b) „Perchè i fatti sono brevi?” in: *Quaderni storici*_108, Nr. 3/2001: 745-770.
- c) „Objektivität und die kosmische Gemeinschaft,” in: Gerhart Schröder and Helga Breuninger, eds., *Kulturtheorien der Gegenwart. Ansätze und Positionen*, (Frankfurt am Main/New York: Campus Verlag, 2001): 149-177.
- d) „Scientific Objectivity with and without Words,” in: Peter Becker und William Clark, eds., *Little Tools of Knowledge*, (Ann Arbor, Michigan: University of Michigan Press, 2001): 259-284.
- e) „Enlightenment Fears, Fears of Enlightenment,” in: Keith Michael Baker, and Peter Hanns Reill, eds., *What's Left of Enlightenment*, (Stanford, California: Stanford University Press, 2001):115-128.
- f) „The Historicity of Science,” in Glenn W. Most, ed., *Historicization-Historisierung*, vol. 5 of *Aporemata: Kritische Studien zur Philologiegeschichte*, (Göttingen: Vandenhoeck & Ruprecht, , 2001): 201-221.

2000

- a) „Can Scientific Objectivity Have a History?,” in: *Mitteilungen der Alexander von Humboldt Stiftung* Nr. 75/2000: 31-40.

- b) „Historische Überlegungen zum Anthropomorphismus und zur Objektivität in den Wissenschaften,” in: Bernd-Olaf Küppers, ed., *Die Einheit der Wirklichkeit. Zum Wissenschaftsverständnis der Gegenwart*, (München: Wilhelm Fink Verlag, 2000): 27-43.
- c) „Preternatural Philosophy,” in: Lorraine Daston, ed., *Biographies of Scientific Objects*, (Chicago: University of Chicago Press, 2000): 15-41.
- d) „Die unerschütterliche Praxis,” in: Rainer Maria Kiesow, Dieter Simon, eds., *Auf der Suche nach der verlorenen Wahrheit. Zum Grundlagenstreit in der Geschichtswissenschaft*, (Frankfurt/New York: Campus Verlag, 2000): 13-25 (German version of Nr. 63).

1999

- a) „As imagens da objectividade: a fotografia e o mapa,” in: Coordenação e apresentação de Fernando Gil, ed., *A Ciência tal qual se faz*, (Lisboa: Edições João Sá da Costa, 1999):79-103.
- b) „Die Akademien und die Einheit der Wissenschaften. Die Disziplinierung der Disziplinen,” in: Jürgen Kocka, Rainer Hohlfeld und Peter Th. Walther, eds., *Die Königlich Preußische Akademie der Wissenschaften zu Berlin im Kaiserreich*, (Berlin: Akademie Verlag, 1999), Vol. 7: 61-84 (German version of Nr. 60).
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Recent Presentations (last five years only):

2018

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“Seeing All at Once in Early Modern Science,” Norwegian Academy of Sciences, March 2018.

“Premodern, Non-Western, Practical, and/or Humanistic: Can the History of Knowledge Be Saved?” keynote address, South Asian Graduate Student Conference, University of Chicago, March 2018.

“A History of Rules: Patterns, Recipes, and Algorithms,” Social Thought Colloquium, University of Chicago, April 2018.

“The Strange Modernity of Modern Science,” Lunn Lecture, University of California at Davis, April 2018.

“Big Calculation and Algorithmic Intelligence,” Faber Lecture, Princeton University, May 2018.

“The Coup d’oeil: History of a Form of Understanding,” Intellectual History Seminar, New York University, May 2018.

“What *Isn't* the History of Knowledge?” symposium on “The Future of the History of Science, University of Tel Aviv, May 2018.

“Anomalies in Early Modern Science,” conference on “Anomalies,” Leopoldina, Halle, September 2018.

“What Is the Source of Nature’s Moral Authority?” Ludwik Fleck Lecture, ETH Zürich, October 2018.

“Big Calculation and Algorithmic Intelligence,” Harper Lecture, University of Chicago Beijing Center, September 2018.

“Big Science, Big Humanities, and the Archives of the Year 3000” West Lecture, Stanford University, October 2018.

“Unindexable: Thomas S. Kuhn’s *Structure of Scientific Revolutions* (1962),” conference on “Undead Texts: Grand Narratives and the History of the Human Sciences,” Columbia University, November 2018.

“Was weisst die Wissenschaft von der Zukunft?” Panel discussion with Martin Carrier, Zentrum für interdisziplinäre Forschung, Universität Bielefeld, November 2018.

2017

"Die Leidenschaften des Unnatürlichen," Warburg-Haus, Universität Hamburg, January 2017.

"Glass and Paper Forever: Tales from the Nineteenth-century Scientific Archives," keynote address, conference "Photo-Objects," Kunsthistorisches Institut, Florence, February 2017.

"What's Modern about Modern Science?" CRASSH Impact Lecture, Cambridge University, March 2017.

"The Premodern Rule: History of an Epistemic Category," keynote address, conference "Early Modern Literature and Natural Philosophy," Cambridge University, March 2017.

"Big Science, Big Humanities, and the Pathos of Positivism," Vice Chancellor’s Distinguished Lecture, University of Warwick, March 2017.

„Algorithms Before Computers: Patterns, Recipes, and Rules,“ Simpson Center for the Humanities, University of Washington at Seattle, April 2017.

„Outlaws,“ conference „Anomalies,“ University of Chicago, March 2017.

„The Secret History of Science and Modernity: The History of Science and the History of Religion,“ conference „Science the Engine of Modernity,“ Columbia University, May 2017.

„History of Science as *Religionswissenschaft*,“ Goethe-Universität Frankfurt, June 2017.

„Good, Better, Best: The Problem with Judgment,“ Max Planck Society Symposium „Excellence,“ Weimar, June 2017.

„The Intelligence of Calculation: Algorithms and the Division of Labor,“ University of Sydney, September 2017.

„Moral and Natural Orders: Why Is It So Hard to Separate Them?“ University of Queensland, September 2017.

„How the History of Science Made Science Modern,“ conference „The Uses of the History of Science,“ Institute for Advanced Study in the Humanities, University of Queensland, September 2017.

„*Sapere Aude*: Who Dares? And Why Should the Rest of Us Care?“ keynote address, conference on „The Future of Societies: On the Role of Academic Freedom and Independent Researchers,“ Humboldt-Universität zu Berlin, October, 2017.

„Big Calculation and Algorithmic Intelligence, c. 1870-1960,“ conference „The Intelligence of Algorithms,“ Max Planck Institute for the History of Science, Berlin, October 2017.

„The Intelligence of Calculation: Algorithms and the Division of Labor,“ German Historical Institute, Washington, D.C., November 2017.

„Plato’s Cave Revisited: Education Today,“ panel discussion at Barenboim-Said Academy, Berlin, November 2017.

„Zerfall der Ordnung,“ panel discussion at Universität Hamburg, November 2016.

„Wilhelm von Humboldt und die Erbe der Aufklärung,“ Panel discussion with Bundespräsident Frank-Walter Steinmeier at Schloss Bellevue, Berlin, November 2017.

„Moral and Natural Orders and the Difficulty of Keeping Them Apart,“ University of Amsterdam, December 2017.

„The Archives of the Sciences,“ Humboldt-Universität zu Berlin, December 2017.

2016

„The Power of Exempla,“ Holberg Symposium, Norwegian Embassy, Berlin, February 2016.

„Before Scientific Revolutions: Error and the Fear of Error in Science,“ Institute for Cultural Inquiry, Berlin, February 2016.

"Modernity and the History of Science," at conference "Fiftieth Anniversary Conference of the Humanities Center," Johns Hopkins University, March 2016.

"What Is Modernity in Science?" at conference "Critical Reflections on Alternative Paths to Modernity," University of Tel Aviv, April 2016.

"Science Goes Modern: Imagining the Past, Present, and Future of Science c. 1900," Page-Barbour Lectures (series of three lectures), University of Virginia at Charlottesville, April 2016.

"The Sciences of the Archive: Big Science and Big Humanities in the 19th Century," Department of Sociology, Northwestern University, April 2016.

"When Science Went Modern -- and Why," at conference "Fetishizing Science," Einstein Forum, Potsdam, June 2016.

"Exempla and the Epistemology of the Humanities," at conference "150th Anniversary Aby Warburg," Warburg Institute, London, June 2016.

"The Strange Modernity of Modern Science," Goethe-Universität Frankfurt am Main, June 2016, and Wissenschaftskolleg zu Berlin, October 2016.

"Commentary on The Stage and the Sensation: Four Perspectives on Text and Context," History of Science Society meetings, Atlanta, 3-6 November 2016.

"Modernity and the History of Science," Department of the History and Philosophy of Science, University of Pittsburgh, November 2016.

"An Entire New Kind of Risk: Nuclear Reactor Insurance," Davis Center, Princeton University, November 2016.

"Premodern Rules: History of an Epistemic Category," German Historical Institute, Paris, December 2016.

2015

„L’Histoire des règles,“ Ecole Normale Supérieure, Paris, December 2015.

„History of Science Twenty Years After: A View from Berlin,“ Ecole Normale Supérieure, Paris, November 2015.

„Qu’est-ce qu’une économie morale des sciences?“ Ecole Normale Supérieure, Paris, November 2015.

„Commentary: Form and Formalism,“ History of Science Society Annual Meeting, San Francisco, November 2015.

„The Immortal Archive: Nineteenth-Century Science Imagines the Future,“ Department of History, University of California at Los Angeles, November 2015.

„The Moral Echoes of Natural Orders,“ keynote lecture at conference „Natur in politischen Ordnungsentwürfen: Antike – Mittelalter – Frühe Neuzeit,“ Siemens-Stiftung, Munich, October 2015.

"The Physiognomy of the Sky," conference on "Epistemic Genres," MPIWG Berlin, June 2015.

"Response to Marina Warner's Holberg Lecture," Holberg Prize Symposium, Bergen, Norway, June 2015.

"The Evolution of Clouds," keynote lecture at conference "Description across the Disciplines," Columbia University, April 2015.

"Which Self? The Rationalities of Self Interest, Enlightenment to Cold War," Straker Lecture, University of British Columbia, March 2015.

"The Immortal Archive of the Nineteenth Century," keynote lecture at conference "The Total Archive," University of Cambridge, March 2015.

"Rules, Models, Paradigms: Before Rules Became Rigid," keynote lecture at conference "Breaking Rules," University of Leiden, January 2015.

2014

"Simon and the Sirens: A Commentary on Bounded Rationality," History of Science Society Annual Meeting, Plenary Session, Chicago, November 2014.

"Selbst Interesse und das gespaltene Selbst," Universität Bielefeld, November 2014.

"Before the Two Cultures: Big Science and Big Humanities in the Nineteenth Century," Martin Buber Lecture, Israel Academy of Sciences, October 2014.

„The Sciences of the Archives – or, The Pathos of Positivism,“ Swedish Collegium for Advanced Studies, Uppsala, September 2014.

„Himmelsphysiognomie: Die Wissenschaft von Wolken,“ Akademie der Wissenschaften zu Göttingen, June 2014.

„All at Once and Completely Changed: Revelation in Henry James' *The Golden Bowl*,“ conference „The Novel as a Form of Thought,“ University of Chicago, May 2014.

„Rules: A Short History of What We Live By,“ (three lectures), Princeton University, April 2014.

„The Way We Think Now: A Short History of Rules,“ University of California at Santa Barbara, April 2014.

2013

„One Word Worth a Thousand Images: What Is Generic about Genera?“ conference „Image and Myth,“ University of Chicago, December 2013.

„Die Rache der Natur,“ Zentrum für interdisziplinäre Forschung, Bielefeld, November 2013.

„Johannes Kepler,“ Orden Pour le mérite, Regensburg, September 2013.

„The Science of Clouds“ and „Nature's Revenge,“ Universitat Autònoma de Barcelona, September 2013.

„The Paradoxes of Self-Interest,“ conference „Why Do We Believe in Self-Interest?“ Einstein Forum, Potsdam, June 2013.

"Observation in the Enlightenment," University of Rochester, April 2013.

„The Unnatural: Horror, Terror, Wonder,“ Literature and Philosophy Workshop, University of Chicago, April 2013.

"The Rise and Fall of Natural Disasters: Rethinking Risk and Responsibility," University of Cambridge, March 2013, and University of Michigan at Ann Arbor, April 2013.

"The Synoptic Image in Early Modern Europe," Courtauld Institute, London, March 2013.

„How Observation Became Scientific,“ European College of Liberal Arts, Berlin, February 2013.

„The Passions of the Unnatural,“ Universität Zürich, February 2013.

Referee Work

External Reader/Examiner on dissertations from Chicago, Harvard, Cambridge, Amsterdam, California (Berkeley), Stanford Universities, Humboldt Universität Berlin, Ecole des Hautes Etudes en Sciences Sociales, Paris, Université de Paris IV, and Ecole des Mines, Paris.

Referee for National Science Foundation, Volkswagen Stiftung, Alexander-von-Humboldt-Stiftung, Deutsche Forschungsgemeinschaft, American Academy in Berlin, Wissenschaftskolleg zu Berlin, École des Hautes Études en Sciences Sociales, National Endowment for the Humanities, *Isis*, *Philosophia Naturalis*, *Journal of the History of Ideas*, *Studies in History and Philosophy of Science*, *Configurations*, *Perspectives on Science*, *Social Studies of Science*, *Common Knowledge*, and Harvard, Cambridge, Princeton, Chicago, and California University Presses, as well as for promotion cases at numerous universities.

Administrative and Committee Work (since 2000):

Managing Director, Max Planck Institute for the History of Science, Berlin	2013-2015 2005-2007 1997-2000
Kommission Hertziana, Max-Planck-Gesellschaft, Chair	2016-17
Conseil Scientifique, Collège de France	2013 -
Selection Committee, Anneliese Maier Prize, Alexander-von-Humboldt Stiftung	2012 -
Harnack Ausschuss, Max-Planck-Gesellschaft, Chair	2012 -
Kommission Wirtschaftswissenschaft, Max-Planck-Gesellschaft	2011-2012
Visiting Committee (Chair), Department of the History of Science, Harvard University	2011
Kommission Empirische Ästhetik, Max-Planck-Gesellschaft	2010-
Selection Committee, Alexander von Humboldt Professorship	2009-2011
Beirat, Zentrum für interdisziplinäre Forschung, Bielefeld	2009-
Stiftungsrat Universität Göttingen	2008-2010
Strategie Kommission, Wissenschaftsrat	2005-2010
Beirat, Junge Akademie, Berlin- Brandenburgische Akademie der Wissenschaften und Leopoldina	2004-2008
Beirat, Wissenschaftskolleg zu Berlin	2001-2008
Kommission Psycholinguistik, Max-Planck-Gesellschaft	2004-2005
Kommission Geschichte, Max-Planck-Gesellschaft	2002-2005
Selection Committee, German Chancellor Fellowship	2002-2007
Kuratorium, Einstein Forum, Potsdam	2001-
Beirat, Projekt "Digitalisierung Wissenschaftsgeschichte des 18./19. Jahrhunderts," Göttingen	2000-2004
German-American Academic Council	1999-2000
Zentrenkomitee, Minerva Stiftung	1999-2000
Kommission Evolutionäre Anthropologie, Max-Planck-Gesellschaft	1999-2002
Experten-Kommission, Bundesministerium für Bildung und Forschung, Federal Republic of Germany	1999-2000
Beirat, Herzog-August-Bibliothek Wolfenbüttel	1998-2001
Alexander von Humboldt Forschungsstelle Kommission, Berlin- Brandenburgische Akademie der Wissenschaften	1998-2002
Forschungspreis Auswahl Kommission, Max-Planck-Gesellschaft	1998-2000

Sprecherin, Arbeitskreis Frauen in Akademie und Wissenschaft, Berlin-Brandenburgische Akademie der Wissenschaften	1998-2000
Perspektiven Kommission, Geisteswiss. Sektion, Max-Planck-Gesellschaft	1998-2010
Arbeitsgruppe Akademieggeschichte, Berlin-Brandenburgische Akademie der Wissenschaften	1997-2000
Beirat, Forschungszentrum für Europäische Aufklärung, Potsdam	1996-2000
Beirat, Internationales Forschungszentrum Kulturwissenschaften, Wien	1993-2000
Chair, Internationales Forschungszentrum Kulturwissenschaften, Wien	1998-2000
International Advisory Board, Einstein Forum, Potsdam	1992-2000

Conferences and Working Groups organized:

(with Sharon Marcus), “Undead Texts: Grand Narratives and the History of the Human Sciences”	New York, November 2018
(with Karine Chemla), “What Is Simplicity in Science and Mathematics?”	Berlin, October 2018
“Science, History of Science, and Modernity”	Berlin, July 2018
(with David Sepkoski), „The Intelligence of Algorithms“	Berlin, October 2017
(with Alison Winter and Adrian Johns), „Crowds and Clouds: Citizen Science“	Chicago, April 2014
Working Group on „The Archives of the Sciences“	Berlin, July 2013
(with Brooke Holmes and Constanze Güthenke), „Postcontextualism“	Berlin, June 2013
(with Robert J. Richards), „Thomas Kuhn’s Structure of Scientific Revolutions: Fifty Years After“	Chicago, December 2012
(with James Conant), „Normativity“	Berlin, July 2012
(with Karine Chemla), „The Epistemology of Tables“	Berlin, March 2012
(with Jacqueline Carroy, Wolf Feuerhahn, Jan Goldstein, and Andreas Mayer) „Reading against the Grain: National Historiographies in the Human Sciences“	Paris, June 2011
(with Michael D. Gordin) Working Group on „Cold War Rationality“	Berlin, July-August 2010
(with Michael D. Gordin) „The Strangelovean Sciences“	Berlin, March 2010
(with Robert J. Richards) „The Sciences of Origins: The Historical Sciences in the Age of Darwin“	Chicago, May 2009
„On Knowing in the Human Sciences”	Berlin, August 2006
Working Group on „The History of Scientific Observation”	Berlin, June 2006, July 2007, July 2008

(with Elmar Mittler) „Scientific Observation in the Enlightenment”	Göttingen, October 2005
Working Group on „Knowledge and Belief”	Berlin, September 2003, March 2004, July 2004
(with Christoph Engel) „Can Inconsistency Be a Value?”	Berlin, December 2001, March 2002, July 2002
Working Group on „The Moral Authority of Nature”	Berlin, September 1999, June 2000, August 2000
(with H.O. Sibum) „What's in a Line? Drawing as Intelligence”	Berlin, December 2000
(with H. Ritter and M. Stolleis) „Nature, Gesetz, Naturgesetz”	Bad Homburg, October 1999; Berlin, February 2001
(with H. O. Sibum) „The Scientific Persona”	Berlin, June 1999
(with Arnold Davidson) „Demonstration, Test, and Proof”	Berlin, June 1998
„Q.E.D.: Mathematical Demonstration in Historical and Cross-Cultural Context“	Berlin, May 1998
(with M. Hagner, D. Outram, and H. O. Sibum), „The Varieties of Scientific Experience”	Berlin, June 1997
„The Display of Nature in Eighteenth-Century Europe”	Berlin, December 1996
„The Coming into Being and Passing Away of Scientific Objects”	Berlin, September 1995

Other Professional Activities

Chair, Committee on Honors and Prizes, History of Science Society	2014-16
Board of Editors, <i>Minerva</i>	2007-
Board of Editors, <i>Critical Inquiry</i>	2002-
Consulting Editor, <i>Science in Context</i> , Cambridge University Press	2000-
Advisory Editor, Ideas in Context Series, Cambridge University Press	1992-2004
Advisory Editor, <i>Isis</i>	1985-1990, 1993-1996
Board of Editors, <i>Philosophia Naturalis</i>	1988-1991
Committee on Prizes, History of Science Society	1983-1990
Advisory Board, Dibner Institute for the History of Science (Brandeis representative)	1986-1988

Council, History of Science Society	1986-1988
Chair, Pfizer Prize Committee, History of Science Society	1987
Program Co-chairman, History of Science Society Meetings	1986
Schuman Prize Committee, History of Science Society, Chair	1981
Schuman Prize Committee, History of Science Society, member	1980

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