

Milena Wazeck

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SUMMARY

Historian of science with a focus on the modern physical and atmospheric sciences; current research interests include the history of transboundary air pollution and acid rain; the reception of relativity theory; science-policy interactions on environmental problems; scientific controversies, and the history of science popularization.

ACADEMIC POSITIONS

Royal Society/British Academy Newton International Fellow, 2013 – present.
University of East Anglia, School of Environmental Sciences, Norwich, UK.

Associate Research Scientist, 2010 – 2012.
New York University, Environmental Studies Program, New York, NY, USA.

Research Scholar, 2004 –2010.
Max Planck Institute for the History of Science, Department I “Structural Changes in Systems of Knowledge”. Berlin, Germany.

AFFILIATIONS

Affiliated Scholar
University of Cambridge, Department of History and Philosophy of Science,
Cambridge, UK.

Visiting Scholar
New York University, Environmental Studies Program, New York, USA.

EDUCATION

Master of Business Administration (MBA), October 2010, University for Applied Sciences Osnabrück.

PhD, History, April 2009, Humboldt University Berlin.
Dissertation: Einstein’s Opponents: The Public Controversy about the Theory of Relativity in the 1920s. Grade: summa cum laude (with highest honor).

Diploma, Political Science, December 2001, Free University Berlin.
Grade: 1,0 (highest grade).

PUBLICATIONS

Books

Einstein's Opponents: The Public Controversy about the Theory of Relativity in the 1920s, Cambridge University Press (forthcoming December 2013).

Einsteins Gegner. Die öffentliche Kontroverse um die Relativitätstheorie in den 1920er Jahren, Campus 2009.

Peer-reviewed articles and book chapters

U.S. acid rain assessments in the 1980s, in: D. Jamieson, N. Oreskes, M. Oppenheimer (eds.): *Assessing Assessments: A Historical and Philosophical Study of Scientific Assessments for Environmental Policy in the 20th Century* (forthcoming).

2013. Marginalization Processes in Science: The Controversy about the Theory of Relativity in the 1920s, *Social Studies of Science* 43(2): 163–190.

2010. The 1922 Einstein Film: Cinematic Innovation and Public Controversy, *Physics in Perspective* 12(2): 163–179.

2005. Wer waren Einsteins Gegner?, *Aus Politik und Zeitgeschichte*, No. 25-26: 17–23.

2005. Einstein in the Daily Press. A Glimpse Into the Gehrcke Papers, in: *The Universe of General Relativity*, edited by Jean Eisenstaedt and Anne Kox, Birkhäuser: 339–356.

Under review

Linearity: The emergence and decline of a controversial issue in 1980s air pollution research (available on request).

Other academic publications

2005. *Albert Einstein. Chief Engineer of the Universe, Einstein's Life and Work in Context*, edited by Juergen Renn, Wiley-VCH 2005 (author team member).

2005. 'Einstein on the murder list!' – The Attacks on Einstein and the Theory of Relativity in 1922, in: *Chief Engineer of the Universe – One Hundred Authors for Einstein*, edited by Juergen Renn, Wiley-VCH: 222–225.

2004. *In the Shadow of the Relativity Revolution*, Preprint No. 271 (with J. Renn and M. Schemmel), Max Planck Institute for the History of Science.

2002. The Classical Image of Science and the Future of Science Policy, in: *Innovative Structures in Basic Research: Ringberg-Symposium, 4 - 7 October 2000* (with J. Renn, U. Schoepflin, and D. Wintergrün), MPG: 11–21.

Book reviews

Review of *Wissenschaft und Demokratie (Science and Democracy)*, edited by Micheal Hagner. Isis (forthcoming).

Review of Philipp Lenard. *Erinnerungen eines deutschen Naturforschers*, edited by Arne Schirmacher. Frankfurter Allgemeine Zeitung, 31 May 2010.

Review of *Einstein's Generation. The Origins of the Relativity Revolution* by Richard Staley. Centaurus (2009) Volume 52: 166–168.

Popular science publications

2010. The relativity deniers. *The New Scientist* 208(2786): 48–51.
2009. Alles ist relativ, sogar der Walzer. *Frankfurter Allgemeine Sonntagszeitung*, 1 November.
2009. Who were Einstein's Opponents? Max Planck Institute for the History of Science Feature Article: <http://www.mpiwg-berlin.mpg.de/en/news/features/feature7>.
2008. *Max Planck. Revolutionär wider Willen*, Spektrum der Wissenschaft Biographie (author team member).
2005. Der Weltweise. *Spektrum der Wissenschaft Spezial* 1 (with M. Schüring): 22–23.
2005. Die verfilmte Relativität. *Spektrum der Wissenschaft Spezial* No. 1: 24–27.
2005. Schwierige Reise. Frankreich-Besuch von nationalistischen Ressentiments überschattet. *Portal*, No. 1/3: 28–29.
2005. Physik in bräunlichem Sumpf. *Frankfurter Allgemeine Sonntagszeitung*, 20 November.

Work in progress

What is environmental damage? Facts and values in assessments of lake acidification in Canada, Norway, and the U.S. in the 1980s (paper for refereed journal).

Acid controversies, with D. Jamieson (paper for refereed journal).

Travelling pollutants: Disputes about the reliability of air pollution models in the 1980s in North America and Europe. In *Cultures of Prediction – Travelling Codes (vol. II). Circulation and Adaptation of Models, Data, and Standards in Computer-based Environmental Science*, edited by Gabriele Gramelsberger, Martin Mahony, Mathias Heymann (refereed book chapter).

Gone with the wind? The science, modeling and politics of transboundary air pollution in Europe and North America, 1950-1990 (book).

AWARDS

2011. Fritz Thyssen Foundation, VG Wort, German Publishers and Booksellers Association, and the Federal Foreign Office of Germany: Translation grant for innovative and outstanding publications in the field of humanities and social science.

2010. German Society for the History of Medicine, Natural Science, and Technology: Award for the Promotion of Young Scholars.

2009. German National Academy of Science Leopoldina: Georg Uschmann Award for the History of Science.

FELLOWSHIPS

Royal Society/British Academy, Newton International Fellowship for the Best Early-Stage Post-Doctoral Researchers, 2013–2015.

National Science Foundation, Postdoctoral Fellowship, 2010–2012.

Max Planck Institute for the History of Science, Pre-doctoral Fellowship, 2002–2004.

TEACHING EXPERIENCE

New York University, Environmental Studies Program, Spring 2012
International Environmental Politics: Comparing the U.S. and Europe, Undergraduate Course.

New York University, Environmental Studies Program, Fall 2011, Fall 2012
European Environmental Policy, Undergraduate Course.

Humboldt University Berlin, History of Science, Visiting Lecturer, Summer 2010
Conspiracy Theories in History, Graduate Course.

Humboldt University Berlin, History of Science, Visiting Lecturer, Winter 2009/2010
Science and Worldview in the 19th Century, Graduate Course.

Humboldt University Berlin, History of Science, Visiting Lecturer, Winter 2008/2009
Science Popularization in the 19th Century, Undergraduate Course.

INVITED LECTURES, CONFERENCE PAPERS AND PRESENTATIONS

What is “severe damage”? Facts and values in the U.S.-Canada debates about lake acidification in the 1980s. History of Science Society Annual Meeting, Boston, November 2013.

Gone with the wind? Tall smokestacks, transboundary air pollution and U.S. acid rain politics in the 1980s. 24th International Congress of History of Science, Technology and Medicine, Manchester, UK, July 2013

Scientific Uncertainty and U.S. acid rain politics in the 1980s. History of Science Society Annual Meeting, San Diego, November 2012.

Scientific Uncertainty and Policy Making: Assessing Acid Rain in the 1980s. New York University, Environmental Studies Colloquium, New York, November 2012.

Marginalization Processes in Science. History of Science Colloquium, New York University, New York, September 2012.

Scientific uncertainty and U.S. acid rain politics: The controversy on source-receptor relationships in the 1980s. History and Philosophy of Climate Science Conference, Boulder, Colorado, September 2012.

Scientific Integrity at Stake: Assessing Acid Rain in the 1980s. AAAS Annual Meeting, Vancouver, Canada, February 2012.

Einstein’s Opponents: The Public Controversy about the Theory of Relativity in the 1920s. History of Science and Technology Colloquium, University of Minnesota, February 2011.

Einstein’s Opponents. History of Science Colloquium, Regensburg University, June 2010.

Einsteins Gegner. German National Academy of Science Leopoldina, Halle, February 2010.

The Dynamics of Dissent: The Opposition to the Theory of Relativity in the 1920s. History of Science Society Annual Meeting, Phoenix, AZ, November 2009.

The Opposition to the Theory of Relativity in the 1920s. Society for the Social Studies of Science Annual Meeting, Washington, DC, October 2009.

Albert Einsteins Relativitätstheorie und das Kino. Der Einsteinfilm von 1922. International Silent Film Festival, Bonn, August 2009.

The Academy of Nations – an international network of Einstein opponents from the 1920s. Institute for History and Foundations of Science, Utrecht University, May 2008.

The Globalization of Knowledge and its Consequences. Dahlem Workshop, Rapporteur of the Section “Modelling the Diffusion of Knowledge”, Freie Universität, Berlin, November 2007.

Albert Einstein und seine Gegner. German Museum Munich, October 2005.

Die frühen Gegner Einsteins. Der gesunde Menschenverstand ist nicht relativ. Conference “Entdeckung, Kreativität und Innovationskultur. Einsteins annus mirabilis”, Bern, July 2005.

Relativity filmed. 22nd International Congress of History of Science, Technology and Medicine, Beijing, July 2005.

Die amateurwissenschaftliche Auseinandersetzung mit der Relativitätstheorie um 1920. Public Evening Lecture, Max Planck Institute for the History of Science, February 2005.

Die verfilmte Relativität. Die öffentliche Kontroverse um den Einsteinfilm von 1922. German Physical Society Spring Meeting, Ulm, March 2004.

Einstein in the Daily Press. 6th Conference of the History of General Relativity, Amsterdam, June 2002.

EXHIBITIONS

Scientific Coordinator, 2003–2005: Albert Einstein – Chief Engineer of the Universe, Berlin, Kronprinzenpalais.

Scientific Advisor, 2008–2009: Max Planck – Revolutionär wider Willen.

MEDIA APPEARANCES

German Public Television

Die Spurensuche nach dem Einsteinfilm. 3sat, January 2005.

EinStein des Anstoß. Die antisemitische Front gegen die Relativitätstheorie. 3sat, February 2005.

Ein früher Lehrfilm. Tagesthemen, ARD, June 2005.

Documentaries

Albert Einstein – A Revolutionary by Julia Newman (in production).

SERVICE

Symposium Co-Organizer, “Assessing Assessments: How Do They Work For Environmental Policy?”, AAAS Annual Meeting, 2012.

Principal Investigator, “The Globalization of Knowledge and its Consequences”, Max Planck Institute for the History of Science, 2010–2011.

Workshop Organizer, “Anthropology and Ethnology in the 18th century”, July 2010.

Scientific Advisor for Postdocs in Deutschland: Evaluation des Emmy-Noether-Programms, Bonn 2008, Institute for Research Information and Quality Assurance, Bonn.

Rapporteur, 97. Dahlem Conference on the Globalization of Knowledge and its Consequences, Free University Berlin, November 2007.

Co-Organizer, Public Evening Discussion: "Science Popularization", Max Planck Institute for the History of Science, June 2007.

Participant, "History of Science in Schools", Heese Highschool, Berlin, May 2007.

Coordinator, Exhibition Albert Einstein – Chief Engineer of the Universe, 2003–2005.

Conference Co-Organizer, Innovative Structures in Basic Research, Max Planck Society, Munich, October 2000.

PROFESSIONAL MEMBERSHIPS

History of Science Society (HSS), Society for the History of Technology (SHOT), Society for Social Studies of Science (4S), Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik (DGMNNT).

LANGUAGES

German: Native Speaker; English: Fluent; Italian: Some Speaking/Reading Ability; French: Some Speaking/Reading Ability.