

CURRICULUM VITAE

Christoph Albert Lehner

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PROFESSIONAL EXPERIENCE

- 2004–now Research Scholar, Max-Planck-Institute for the History of Science, Berlin.
2000–2003 Senior Research Fellow, Einstein Papers Project,
California Institute of Technology.
1998–2000 Senior Assistant Editor, Einstein Papers Project, Boston University.
1997–1998 Visiting Assistant Professor, University of Kentucky, Lexington.
1996–1997 Instructor, Stanford University.
1991–1993 Teaching Assistant, Stanford University.

PROFESSIONAL ACTIVITIES

- 2015 Co-organizer, HQ-4: Conference on the History of Quantum Physics, Universidad del Pais Vasco, San Sebastian, July 2015.
2013–2016 Member of the Collaborative Research Group 644 “Transformations of Antiquity” of the German Research Foundation.
2013–now Treasurer, Commission on Modern Physics of the International Union for the History and Philosophy of Science.
2012 Member of program committee, 17th UK and European Meeting on the Foundations of Physics, Munich, July 2013.
2012 Organizer, Workshop of the German-Israeli Foundation Project *Probability in Physics*, MPIWG, Berlin, April 2012.
2012–2014 Project coordinator, *History of Self-Organizing Processes in Physics and Chemistry Seen through the Nobel Prizes: Complexity, Reduction and Emergence*, Project funded by the Foundation for the Lindau Nobel Laureate Meetings
2011–now Member of the Editorial Board, *Boston Studies in the Philosophy of Science*.
2010–2014 Research leader, *Probability in Classical and Quantum Mechanics*, Project funded by the German-Israeli Foundation.
2010 Organizer, HQ-3: Conference on the History of Quantum Physics, MPIWG, Berlin, June/July 2010.
2009 Organizer, Quantum Networks: Research strategies and research politics in the emergence of quantum physics. Workshop, MPIWG, Berlin, August 2009.
2008–now Regular invited discussant. New Directions in the Foundations of Physics. Workshop series, College Park, MD and Washington, DC.
2008 Scientific consultant, exhibit *Max Planck : Revolutionär wider Willen*, Max-Planck-Gesellschaft and Deutsches Technikmuseum Berlin.
2008 Organizer, Quantum Physics at the Crossroads, Academic Session at the Joint Meeting of the British Society for the History of Science, the Canadian Society for the History and Philosophy of Science, and the History of Science Society, Oxford, July 2008.
2007–now Member, international advisory committee for the conferences on the history of quantum physics.
2007 Organizer, HQ-1: Conference on the History of Quantum Physics, MPIWG, Berlin, July 2007.
2006–now Project leader, Project on History and Foundations of Quantum Physics, Max-Planck-Institute for the History of Science, Berlin.
2003–2005 Scientific advisor, exhibit *Einstein, Engineer of the Universe*.
Max-Planck-Institute for the History of Science, Berlin.

- 1995–1997 Assistant to the editor, *Technology and Culture*, *Current Bibliography in the History of Technology*.
- Referee for *Studies in History and Philosophy of Modern Physics*, *Philosophy of Science*, *Notes and Records of the Royal Society*, *International Studies in the Philosophy of Science*, *Journal for General Philosophy of Science*, *Boston Studies in the Philosophy of Science*, *Studies in History and Philosophy of Science*.

ACADEMIC AWARDS and GRANTS

- 2013–2016 Grant from the German Research Foundation, Collaborative Research Center “Transformations of Antiquity.”
- 2012–2014 Grant from the Foundation for the Lindau Nobel Laureate Meetings.
- 2011–2014 Grant from the German-Israeli Foundation for Scientific Research and Development.
- 2006–2011 Grant from the Innovation Fund of the President of the Max Planck Society.
- 1994–1995 Mellon Foundation Dissertation Fellowship.
- 1993 Melvin and Joan Lane Graduate Fellowship in the History of Science.
- 1990–1994 Department Fellowship, Stanford University.
- 1984–1990 Deutsche Studienstiftung (German national fellowship for students of exceptional promise).
- 1982–1988 Bayerische Begabtenförderung (Bavarian state fellowship for students with excellent results in the university qualification exam).

TEACHING EXPERIENCE

- 2008–now Adjunct Professor, Freie Universität Berlin.
History of Quantum Physics
- 1997–1998 Visiting Assistant Professor, University of Kentucky, Lexington.
Philosophy of Scientific Method
Contemporary Philosophy: The Analytic Turn
Symbolic Logic I and II
Philosophy of Classical Physics
- 1996–1997 Instructor, Stanford University.
Introduction to Logic
Kant's Critique of Pure Reason (Seminar)
Concepts of Freedom (Sophomore Seminar)
- 1991–1993 Teaching Assistant, Stanford University (main instructor in parenthesis):
Kant's Critique of Pure Reason (Eckart Förster)
The Scientific Revolution (Peter Galison)
History and Philosophy of 20th Century Physics (Peter Galison)
Introduction to Logic (John Etchemendy)
Philosophy of Mind (Fred Dretske)

EDUCATION

- 1990–1997 **Stanford University**, Stanford, California.
Ph.D. in Philosophy, September 1997.
Dissertation:
“Reality in Quantum Mechanics: An Interpretation of Everett's 'Theory of the Universal Wave Function'.” Adviser: Patrick Suppes. Reading Committee: Yair Guttman (co-adviser), Fred Dretske.
- 1993 **London School of Economics**, London, UK.
Visiting Graduate Student, adviser Nancy Cartwright.
- 1982–1990 **Ludwig-Maximilians-Universität**, Munich, Germany.
Diplom in Physics
Thesis Topic: “The Problem of Energy Conservation and Phase Transitions in the Early Universe, Studied in the Example of Hadronization.” Thesis Adviser: Harald Fritzsch.
- 1984–1990 Independent Study Program in Philosophy :
Thesis: Konrad Lorenz's Concept of Fulguration and Kant's Critique of Teleological Judgment Adviser: Wilhelm Vossenkuhl.

SELECTED PUBLICATIONS

- “Mechanik in der *Querelles des Anciens et des Modernes*.” (With Helge Wendt.) In *Allelopoiese – Konzepte zur Beschreibung kulturellen Wandels*, De Gruyter, Berlin, in press.
- “Einstein’s Realism and His Critique of Quantum Mechanics.” In *The Cambridge Companion to Einstein*, edited by Michel Janssen and Christoph Lehner. Cambridge: Cambridge University Press, 2014, 306–353.
- The Cambridge Companion to Einstein* (editor, with Michel Janssen). Cambridge University Press, 2014.
- Traditions and Transformations in the History of Quantum Physics* (editor, with Shaul Katzir and Jürgen Renn). Max Planck Research Library for the History and Development of Knowledge, Berlin, 2013.
- “Mathematical Foundations and Physical Visions: Pascual Jordan and the Quantum Field Theory Program.” In: *Mathematics Meets Physics: A Contribution to Their Interaction in the 19th and the First Half of the 20th Century*, Karl-Heinz Schlote and Martina Schneider, eds., Verlag Harri Deutsch, Frankfurt a. M., 2011.
- Einstein and the Changing World View of Physics, 1905-2005* (editor, with Jürgen Renn and Matthias Schemmel). Birkhäuser, Basel and Boston, 2011.
- “‘Dialectical materialism and modern physics,’ an unpublished text by Max Born” (with Olival Freire). *Notes and Records of the Royal Society* 64 (2010), 155-162.
- “The Classical Roots of Wave Mechanics: Schrödinger’s Transformations of the Optical-Mechanical Analogy” (with Christian Joas). *Studies in History and Philosophy of Modern Physics* 40 (2009), 338–351.
- “Einstein and the Principle of General Relativity, 1916–1921.” In: *The Universe of General Relativity*, J. Eisenstadt and A.J. Kox, eds., Birkhäuser, Basel and Boston, 2005.
- The Collected Papers of Albert Einstein*, Vol. 7. (with Michel Janssen, Robert Schulmann, Josef Illy and Diana Buchwald). Princeton University Press, Princeton, 2002.