

Jürgen Renn

Personal Data

Title	Prof. Dr.
First name	Jürgen
Name	Renn
Current position	Director
Current institutions/sites, country	Max Planck Institute of Geoanthropology, Jena, Germany
Identifiers/ORCID	https://orcid.org/0000-0002-3681-2188

Qualifications and Career

Stages	Periods and Details
Degree programme	1975–1983 Physics, FU Berlin, Germany
Doctorate	1987 The Massive Sine-Gordon Equation in Quantum Field Theory and Classical Statistical Mechanics: Some Rigorous Results. Supervisors: Giovanni Gallavotti, Ruedi Seiler, TU Berlin, Germany

Stages of academic/professional career	
2022–	Founding Director at the Max Planck Institute of Geoanthropology, Jena, Germany
2006–	Honorary Professor for History of Science, FU Berlin, Germany
1995–	Honorary Professor for History of Science, HU Berlin, Germany
1994–2023	Founding Director at the Max Planck Institute for the History of Science, Berlin, Germany
1993–1994	Visiting Professor (Philosophy), Tel Aviv University, Israel, and ETH Zurich, Switzerland
1991–1996	Co-Director, Arbeitsstelle Albert Einstein, Max Planck Institute for Human Development and Educational Research, Berlin, Germany
1990–1992	Associate of the Department of Physics, U Harvard, USA
1989–1992	Assistant, then Associate Professor (Philosophy and Physics), U Boston, USA
1986–1992	Assistant, then Associate Editor of the <i>Collected Papers of Albert Einstein</i>

Activities in the Research System

2019–	Corresponding Member, Deutsches Archäologisches Institut (DAI)
2019–2021	Deputy Chair of the Human Sciences Section, Max Planck Society, Germany
2017–	Steering committee member, Wissenschaftsplattform Nachhaltigkeit 2030
2016–2019	Chair of the Human Sciences Section, Max Planck Society, Germany
2014–2022	Member of the Programme Council of Futurium gGmbH (previously House of Future gGmbH)
2011–	Member of the Directorial Board of the Berliner Antike-Kolleg
2007–2019	Executive board member, Excellence Cluster TOPOI (FU Berlin and HU Berlin)
1991	Co-Founder of the international project group for the introduction of new technologies of the History of Science (supported by the National Science Foundation and the Italian Ministry of Research)

Scientific Results

Category A

- Gutfreund, Hanoch, and **Jürgen Renn**. *The Einsteinian Revolution: The Historical Roots of His Breakthroughs*. Princeton, Princeton University Press, 2024.
- Roberts, Patrick, Jed O. Kaplan, et int, **Jürgen Renn** and Ricarda Winkelmann. 'Mapping our Reliance on the Tropics Can Reveal the Roots of the Anthropocene'. *Nature Ecology and Evolution* 7, 2023, 632–636. – <https://doi.org/10.1038/s41559-023-01998-x>.
- Creutzig, Felix, Daron Acemoglu, et int, **Jürgen Renn**, et int, Marius Zumwald. 'Digitalization and the Anthropocene'. *Annual Review of Environment and Resources* 47(1), 2022, 479–509. – <https://doi.org/10.1146/annurev-environ-120920-100056>.
- **Renn, Jürgen**. 'From the History of Science to Geoanthropology'. *Isis* 113(2), 2022, 377–385. – <http://doi.org/10.1086/719703>.
- Rosol, Christoph, Thomas Turnbull and **Jürgen Renn**. 'The Mississippi River Basin: A Model for Studying the Anthropocene in situ'. *Anthropocene Review* 8(2), 2021, 99–114. – <https://doi.org/10.1177/20530196211053435>.
- **Renn, Jürgen**. *The Evolution of Knowledge: Rethinking Science for the Anthropocene*. Princeton, Princeton University Press, 2020, 2nd ed. 2022. – <https://doi.org/10.1515/9780691185675>. (French translation: Paris, Les Belles Lettres, 2022. German: Berlin, Suhrkamp, 2022. Italian: Rome, Carocci, 2022. Vietnamese: Ho Chi Minh City, Phanbook, forthcoming. Chinese: Beijing, Post Wave Publishing, forthcoming.)
- **Renn, Jürgen**. 'The Evolution of Knowledge: Rethinking Science in the Anthropocene'. *HoST – Journal of History of Science and Technology* 12, 2018, 1–22. – <https://doi.org/10.2478/host-2018-0001>.
- **Renn, Jürgen**, Benjamin Johnson and Benjamin Steininger. 'Ammoniak und seine Synthese: Wie eine epochale Erfindung das Leben der Menschen und die Arbeit der Chemiker veränderte'. *Naturwissenschaftliche Rundschau* 70(10), 2017, 507–514.
- Rosol, Christoph, Sara Nelson and **Jürgen Renn**. 'Introduction: In the Machine Room of the Anthropocene'. *Anthropocene Review* 4(1), 2017 (special issue: *Perspectives on the Technosphere*, Part 1), 2–8. – <https://doi.org/10.1177/2053019617701165>.
- Laubichler, Manfred D., and **Jürgen Renn**. 'Extended Evolution: A Conceptual Framework for Integrating Regulatory Networks and Niche Construction'. *Journal of Experimental Zoology (Part B – Molecular Developmental Evolution)* 324B(7), 2015, 565–577. – <https://doi.org/10.1002/jez.b.22631>.

Category B

- Erlach, Berit, Sabine Fuss, et int, **Jürgen Renn**, et int, Jessica Strefler. 'Was sind negative Emissionen, und warum brauchen wir sie?' *Akademienprojekt 'Energiesysteme der Zukunft' (ESYS)*, Nationale Akademie der Wissenschaften Leopoldina, acatech – Deutsche Akademie der Technikwissenschaften, Union der deutschen Akademien der Wissenschaften, May 2022. – http://doi.org/10.48669/ESYS_2022-2.
- **Renn, Jürgen**. 'Warum Wissen nicht nur eine Ressource ist'. *Max Planck Institute for the History of Science*, preprint 509, 2022. – <https://www.mpiwg-berlin.mpg.de/sites/default/files/P509.pdf>.

- Bett, Andreas W., Berit Erlach, et int, **Jürgen Renn**, et int, Anke Weidlich. ‘Wenn nicht jetzt, wann dann – wie die Energiewende gelingt’. *Akademienprojekt ‘Energiesysteme der Zukunft’ (ESYS)*, Nationale Akademie der Wissenschaften Leopoldina, acatech – Deutsche Akademie der Technikwissenschaften, Union der deutschen Akademien der Wissenschaften, October 2021. – <https://www.acatech.de/publikation/neustart/>.
- Leopoldina Working Group. ‘Ad-hoc-Stellungnahme: Klimaziele 2030: Wege zu einer nachhaltigen Reduktion der CO₂-Emissionen’. Halle (Saale), Deutsche Akademie der Naturforscher Leopoldina e.V., Nationale Akademie der Wissenschaften, 2019. – https://www.leopoldina.org/uploads/tx_leopublication/2019_Stellungnahme_Klimaziele_2030_Final.pdf.
- Leopoldina Working Group. ‘Ad hoc statement: Energy Transition 2030: Europe’s Path to Carbon Neutrality’. Halle (Saale), Deutsche Akademie der Technikwissenschaften und der Union der deutschen Akademien der Wissenschaften, Nationale Akademie der Wissenschaften Leopoldina, 2020. – https://www.leopoldina.org/uploads/tx_leopublication/2020_Energiewende_2030_En_Final_01.pdf.
- Rosol, Christoph, Benjamin Steininger, **Jürgen Renn** and Robert Schögl. ‘On the Age of Computation in the Epoch of Humankind’. *Nature Outlook*, 2018 (special issue: *Digital Transformation*). – <https://www.nature.com/articles/d42473-018-00286-8>.
- Nelson, Sara, Christoph Rosol and **Jürgen Renn**, special issue eds. *Perspectives on the Technosphere* (Parts 1 and 2). *Anthropocene Review* 4(1–2), 2017. – <https://journals.sagepub.com/toc/anra/4/1>, <https://journals.sagepub.com/toc/anra/4/2>.
- **Renn, Jürgen**, Robert Schögl, Christoph Rosol and Benjamin Steininger. ‘A Rapid Transition of the World’s Energy Systems’. *Nature Outlook*, 2017, 176–180. – https://pure.mpg.de/rest/items/item_2513953_15/component/file_3247920/content.
- **Renn, Jürgen**, and Bernd Scherer, eds. *Das Anthropozän. Zum Stand der Dinge*. Berlin, Matthes & Seitz, 2015.

Academic Distinctions

2023	Abraham Pais Prize for History of Physics
2022	Honorary Doctorate, Tel Aviv University
2022	Honorary Doctorate, Hebrew University of Jerusalem
2021	Foreign Associate in the Class of Physical, Mathematical, and Natural Sciences at the Istituto Veneto di Scienze, Lettere ed Arte, Venice (Italy)
2020	Guest Professorship, University of Bergamo (Italy)
2019	Zeeman Fellow, Vossius Center for the History of Humanities and Sciences, U Amsterdam (Netherlands)
2019	NOMIS Scholar
2018	Medaglia Comandiniana
2018	Fellow of the American Association for the Advancement of Science (AAAS)
2015	Francis Bacon Visiting Professor, CalTech (USA)
2014	Premio Internazionale Marco & Alberto Ippolito
2014	Francis Bacon Award
2014	Max Planck Communitas Prize
2014	Gustav Neuenschwander Preis, awarded by the European Society for the History of Science (ESHS)
2013	Visiting Scholar, U Vienna (Austria)
2011	Premio Anassilaos International
2004	Visiting Scholar, University of Pavia (Italy)

- 2003– Member of the German National Academy of Sciences Leopoldina
- 1998 PIRELLI International Award
- 1993 Silverman Chair, Cohen Institute for the History and Philosophy of Science and Ideas at the University of Tel Aviv (Israel)
- 1988–1989 Fellow, Wissenschaftskolleg zu Berlin
- 1988 Fellow, Consiglio Nazionale delle Ricerche, Rome (Italy)

