



Curriculum Vitae Prof. Dr. Peter Hänggi



Name: Peter Hänggi
Born: 29 November 1950

Main research interests: Theoretical Physics – Statistical Physics, Brownian Motors

Peter Hänggi is distinguished for having made salient contributions in the area of statistical physics in and far from equilibrium and for driven quantum mechanics.

Academic and Professional Career

since 1986	Professor (Ordinarius C4/W3) for Theoretical Physics (Emphasis: Statistical Physics), Institute of Physics, University Augsburg, Germany
1983 - 1987	Associate professor (with tenure), Polytechnic Institute of New York, New York, USA
1980 - 1983	Assistant professor of physics, Polytechnic Institute of New York, New York, USA
1979 - 1980	Postgraduate research associate, University of California, San Diego, USA
1978 - 1979	Guest Professor, University of Stuttgart, Germany
1977 - 1978	Research Associate University of Illinois, Urbana, USA
1977	Ph. D. in theoretical physics, University of Basel, Switzerland
1974	Diploma in physics, University of Basel, Switzerland
1970 - 1974	Studies of physics at the University of Basel, Switzerland

Functions in Scientific Societies and Committees (Selection)

2011 - 2016	Editor-in-chief, European Physical Journal B (EPJ-B)
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2004 - 2011	Editor/Co-editor, ChemPhysChem
2003 - 2011	Editor/Co-editor, Physica A, Chemical physics
2003 - 2011	Editor/Co-editor, Physical Biology
2003 - 2009	Editor/Co-editor, Physical Review E
2000 - 2003	Chair of division of “Dynamics and Statistical Physics”, German Physical Society (DPG)
2001 - 2009	Board member, “Statistical and Nonlinear Physics” of the European Physical Society (EPS)
1998 - 2008	Editor/Co-editor, New Journal of Physics
1997 - 2007	Editor/Co-editor, Europhysics Letters
1994 - 2012	Editor/Co-editor, Chemical Physics
1994 - 2010	Member of the board of the DPG

Editor/Co-editor: Lecture Notes of Physics, EPJ-ST (Special Topics), Scientific Reports (Nature Publ. Group), Ukrainian J. Physics, Intern. Review of Electrical Eng., IREE, Intern. Review of Physics, IREPHY, The Open Journal of Chemical Physics

Scientific Advisory Committee (SAC) for European Physical Journal (EPJ): A, B, C, D, E, Appl. Phys.

Honours and Awarded Memberships (Selection)

2023	Lars Onsager Prize, American Physical Society, College Park, USA
2019	Senior Member Nanosystems Initiative Munich (NIM)
2018	Honorary Professor from Huaqiao University, Xiamen, China
2018	Marian-Smoluchowski-Emil-Warburg-Prize
2018	Blaise Pascal Medal, European Academy of Sciences (EURSAC)
2016	Dr. honoris causa from Lobachevsky University, Nizhny Novgorod, Russia
since 2015	Foreign honorary member to the Academiei Române, Romania
2015	Elected outstanding reviewer status, Elsevier publications
2014	Distinguished scientist award and medal, Ben-Gurion University of the Negev, Israel
since 2014	Elected member, European Academy of Sciences (EURSAC)
2011	Lars Onsager Medal and Lars Onsager Lecture Prize
2010	Lindhard Lecture Prize 2010, University of Aarhus, Denmark
2010	Selected for ISI Highly Cited.com
2010	Dr. honoris causa from the Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine

Nationale Akademie der Wissenschaften Leopoldina
www.leopoldina.org

2009	Elected Outstanding Referee of the American Physical Society (APS)
2009	Invited Distinguished Lecture Series at Asian Pacific Center for Theoretical Physics (APCTP)
2009	Dr. honoris causa from the Universidad de Sevilla, Spain
2008	Dr. honoris causa rer. nat. from the Humboldt University Berlin, Germany
2007	Award of honorary professor at Beijing Normal University, Beijing, China
since 2007	Ordinary member of the Academia Europaea, Physics and Engineering Section
2006	Dr. honoris causa from the National Academy of Ukraine, Ukraine
2006	Dr. honoris causa from Tartar State University of Humanities and Pedagogical Sciences, Kazan, Russia
2005	Elected foreign fellow: American Association for the Advancement of Science (AAAS)
2005	Dr. honoris causa from the University of Silesia, Katowice, Poland
2005	Dr. honoris causa from the Universidad de Barcelona, Spain
2005	Dr. honoris causa from the University of Camerino, Italy
since 2003	Member, German National Academy of Sciences Leopoldina
2003	Eminent Scientist Award, Riken, Japan
2002	Humboldt Honorary Research Award of the Foundation of Polish Science
2001	Elected external member of the Max Planck Institute for the Physics of Complex Systems Dresden and member of the Max-Planck Society
1999	Fellow and Chartered Scientist Award (CSciCPhys/FInstP) Inst. of Physics
1998	Michael Professorship, Weizmann Institute of Science, Israel
1995	Nicolas Cabrera Professorship, Universidad Autonoma de Madrid, Spain
1988	Fellow of the American Physical Society

Major Scientific Interests

Peter Hänggi is distinguished for having made salient contributions in the area of statistical physics in and far from equilibrium and for driven quantum mechanics. Partly he has achieved these key works at the Polytechnic Institute of New York and at the University of Augsburg. He is known worldwide for his key contributions to reaction rate theory, driven quantum mechanics, quantum dissipation, relativistic Brownian motion, relativistic thermodynamics, and his discoveries of universal quantum fluctuation relations.

Apart from making guiding contributions to the phenomenon of Stochastic Resonance, he is

particularly known for his discovery of coherent destruction of tunnelling and his initiation of the field of Brownian Motors, Quantum Fluctuation Relations and “Phononics”: Manipulating heat flow with electronic analogues and beyond.