

Personal Information

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Birth Date/Place: 7th March 1960, Calw, Germany



Scientific Career and International Experience

1991: PhD in physics, Heidelberg University
1992-1993: Postdoc at Brown University (USA)
1994-1996: Research Associate Heidelberg University
1996: Habilitation in Physics Heidelberg University
1996-1998: Lecturer Heidelberg University
1998-1999: Professor Bayreuth University (temporary stand in)
1999-2001: Lecturer Heidelberg University
2001-2002: Professor Konstanz University (temporary stand in)
2002-2004: Associate Professor Brown University (USA)
since 2004: Professor (C4) Heidelberg University
2006-2016: Visiting Professor Brown University (USA)
2011: Visiting Professor Goddard Space Flight Center (USA)
since 2016: Visiting Professor Aalto University (Finland)

Main Research Fields

Investigation of fundamental properties of condensed matter at low temperatures: Main interests are in amorphous materials, disordered crystals and spin glasses. Beyond condensed matter physics other areas of fundamental and applied physics, in particular, the development and application of cryogenic detectors for astronomy (x-ray spectroscopy), particle physics (neutrino mass determination), and atomic physics (Lamb-shift experiments).

Service to the Community (Selection)

2018: Member of the Editorial Board of Philosophical Transactions A
2018: Chair Low Temperature Section of the German Physical Society
2018: Coordinator of Advanced Cryogenic Summer Schools CryoCourse
2017: Chair of the international Conference on Ultralow Temperature Physics ULT-2017
2017: Chair of the Panel for Evaluation of Science in Estonia 2012-2017
since 2017: Executive Director Kirchhoff Institute for Physics
since 2016: Member of the Finish Academy of Science and Letter
since 2016: Chair of the Low Temperature Section of the European Physical Society
since 2015: Series Editor *Condensed Matter Physics*, DeGruyter
since 2015: Spokesperson of the DFG Research Unit: FOR2202 – ECHO
2015-2017: Chair of the int. committee of Low Temp. Detector Conference Series
2015: Member of the panel of the 2009-2014 evaluation of the Institut Néel
2014: Member of the panel for the PoF evolution of the Helmholtz Association
2012: Chair of the panel for the evaluation of physics in Finland 2007-2011
2011-2013: Executive Director Kirchhoff Institute for Physics
08/2011: Chair of the 14th International Workshop on Low Temperature Detectors
2009-2011: Chair of the Faculty for Physics and Astronomy at Heidelberg University
2008-2013: Member of the scientific advisory board of the Innovation Lab MRN
since 2008: Member of the Editorial Board of Journal of Low Temperature Physics
since 2007: Co-Organizer of Marie Curie Summer Schools for Low Temp. Physics
2005-2007: Executive Director Kirchhoff Institute for Physics
since 2005: Member of the int. committee of Low Temp. Detector Conference Series
since 2005: Member of the int. advisory board of the Low Temp. Conference Series
since 2005: Member of the int. advisory board of the Ultra Low Temp. Conference Series
since 2004: Member of the int. advisory board of the Phonon Conference Series

Stipends, Awards and Honours

1992-93: Feodor Lynen fellow, Brown University (USA)
2000-18: over 100 invited talks including 48 invited talks at int. conferences

Heidelberg, May 2018