

CURRICULUM VITAE

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Education

Doktor habil., January 1980, Ludwig-Maximilians-Universität München
Doktor rer. nat., March 1975, LMU
Diplom-Physiker, July 1972, LMU

Positions

2012 - present, Emeritus of Excellence, TUM
1998 - 2012, Full Professor, Chair of Mathematical Physics,
Department of Mathematics and Physics, TUM
2006 - 2009 Chairman, Department of Mathematics, TUM
1982 - 1998 Associate Professor, Department of Physics, LMU
1980 - 1982 Heisenberg fellow
1975 - 1980 Wissenschaftlicher Assistent, Department of Physics, LMU

Awards

1993 Max-Planck Research Award jointly with J.L. Lebowitz
2011 Leonard Eisenbud Prize for Mathematics and Physics (AMS)
2011 Dannie Heineman Prize for Mathematical Physics (AIP and APS)
2011 Premio Caterina Tomassoni e Felice Pietro Chisesi Prize,
Università di Roma “La Sapienza”, Dipartimento di Fisica
2011 Docteur Honoris Causa de L’Université Paris-Dauphine
2014 Georg-Cantor-Medaille, Deutsche Mathematiker-Vereinigung
2015 Henri-Poincaré-Prize sponsored by the Daniel Iagolnizer Foundation,
International Association of Mathematical Physics
2017 Max-Planck Medal, German Physical Society
2017 Docteur Honoris Causa de L’Université Paris-Diderot

Scientific Societies

2000 - 2003 President of the International Association of Mathematical Physics
2004 - 2008 Fachkollegiat of the DFG
2008 APS outstanding referee
2009 - 2011 Chair, C18 commission of IUPAP
2011 - 2017 Scientific Advisory Board, Niels Bohr International Academy, Copenhagen
2011 - 2015 Scientific Advisory Board, Erwin-Schrödinger-Institute, Wien
2011 - 2015 Scientific Advisory Board, Mathematical Science Center,
Tsinghua University, Beijing

Editorial Services

since 2000, editor “Communications in Mathematical Physics”
since 2001 associate editor “Journal of Statistical Physics”
since 2010, editor “Journal of Statistical Mechanics”
2005 - 2011, editor “Continuum Mechanics and Thermodynamics”
2001 - 2006, associate editor “Physical Review Letters”
1994 - 2005, editor “Text and Monographs in Physics”, Springer-Verlag

Research Interests

non-equilibrium statistical mechanics
dynamics of stochastic particle systems
kinetic equations
dynamics of interfaces
kinetics of growth processes
disordered systems
space-time adiabatic theory, semi-classical analysis
open quantum systems
dynamics of particles coupled to fields
determinantal point processes, random matrices
random fields, functional integration