

Prof. Dr. Wolfram Brenig (as of 2015)

Date of birth: 30.10.1958
Gender: male
Affiliation: Institut für Theoretische Physik
Technische Universität Braunschweig
Mendelssohnstr 3
38106 Braunschweig
Phone: +49 531 391 5180/81
E-Mail: w.brenig@tu-braunschweig.de
Family status: Married, 1 child

Academic Education

1978 – 1984 Physics, Diploma, Technische Universität München,
Supervisor: P. Wölfle

Academic Degrees

1994 Habilitation in Theoretical Physics, Universität zu Köln,
Mentor: E. Müller-Hartmann
1988 PhD in Physics, Max-Planck-Institut für Festkörperforschung and
Technische Universität München, Supervisor: P. Fulde

Professional Career

since 1998 Professor (C4) Technische Universität Braunschweig
1996/97 Professor (C4, stand in) RWTH Aachen
1995/96 Professor (C4, stand in) Universität Bayreuth
1991-98 Scientific Assistant, Universität zu Köln (intermissions 95/96, 96/97)
1990-91 Postdoc, University of California Santa Barbara, USA
1988-90 Postdoc, Max-Planck-Institut für Festkörperforschung, Stuttgart

Fellowships, Awards, and Services to the Community

since 2015 Dean of the Department of Elektrotechnik, Informationstechnik,
Physik, Technische Universität Braunschweig
since 2015 Member of the extended board of the DFG-CRC 1143, Correlated
Magnetism: From Frustration to Topology
since 2014 TUBS Spokesperson, Graduate Program Contacts in Nanosystems
since 2011 Elected Member ^{PSM}Platform for Superconductivity and Magnetism,
TUD/MPI-PKS/IFW, Dresden excellence concept
2010-2013 TUBS Spokesperson, NTH Graduate School, Contacts in Nanosystems
1990 Otto-Hahn-Medal of the Max-Planck-Society (MPG)

Selected Publications (all at <http://www.fkt.tu-bs.de/brenig/publications.shtml>)

- 1 Robin Steinigeweg, Jacek Herbrych, Xenophon Zotos, and Wolfram Brenig, *Heat conductivity of the Heisenberg spin-1/2 ladder: From weak to strong breaking of integrability*, Phys. Rev. Lett. (2015).
- 2 Robin Steinigeweg, Jochen Gemmer, and Wolfram Brenig, *Spin-Current Autocorrelations from Single Pure-State Propagation*, Phys. Rev. Lett. 112, 120601 (2014).
- 3 Wolfram Brenig and A. L. Chernyshev, *Highly Dispersive Scattering From Defects In Non-Collinear Magnets*, Phys. Rev. Lett. 110, 157203 (2013).
- 4 Robin Steinigeweg and Wolfram Brenig, *Spin transport in the XXZ chain at finite temperature and momentum*, Phys. Rev. Lett. 107, 250602 (2011).
- 5 R. Steinigeweg, S. Langer, F. Heidrich-Meisner, I. P. McCulloch, and Wolfram Brenig, *Coherent spin-current oscillations in transverse magnetic fields*, Phys. Rev. Lett. 106, 160602 (2011).