

Curriculum Vitae

Bernd Rosenow

Institute for Theoretical Physics
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Education

Cologne University
Habilitation in Theoretical Physics, 2002
Title: "Interacting Mesoscopic Systems"

Würzburg University
Ph.D. in Theoretical Physics, *summa cum laude*, 1998
Dissertation title: "Quantum Phase Transitions in Disordered Systems"

State University of New York at Stony Brook
M.A. in Physics, 1993

Professional affiliations and activities

University of Leipzig, Institute for Theoretical Physics
Full Professor, 2010 – present

Max-Planck Institute for Solid State Research
Group leader, 2008 – 2010

Harvard University, Department of Physics
Visiting scholar, 2005 – 2008

Cologne University, Institute for Theoretical Physics
Privatdozent, 2003 - 2010
Research Associate, 1998 –1999, and 2000 – 2005

Harvard University, Department of Physics
Post-doctoral fellow, 1999 – 2000

Max-Planck Institute of Nuclear Physics, Heidelberg
Post-doctoral fellow, 1997–1998

Awards

Federal Ministry of Research, Grant 01BM0900 *Untersuchungen zum topologischen Quanten-Computing (TQC)*, 2009-2013
Heisenberg Fellowship, German Research Council, 2005-2008 and 2008-2010
German Research Council, *Disorder and quantum fluctuation in effective field theories of highly correlated materials*, project D4 in SFB 608 together with T. Nattermann
German Research Council, “Reduced Dimensionality, Disorder, and Interactions”, Grant Ro 2247/1-1, 1999-2000
“Röntgenpreis der Fakultät für Physik”, Universität Würzburg, 2000
“Unterfränkische Gedenkjahrsstiftung” Dissertation Award, 2000
German National Academic Foundation, Dissertation Scholarship, 1995-1997
German National Academic Foundation, Scholarship, 1992-1994
Bavarian Government, Scholarship for Highly Gifted Students, 1988-1994

Invited Talks

Physics Colloquium, LMU München, November 2011.
Workshop *Quantum Information and Condensed Matter Physics*, NUI Maynooth, September 2011.
Theoretical Physics Seminar, Max-Planck Institute for Complex Systems Dresden, Februar 2011.
Solid State Physics Seminar, ETH Zürich, December 2010.
Theoretical Physics Colloquium, Universität zu Köln, November 2010.
Workshop on *Low Dimensional Topological Matter*, Aspen Center for Physics, July 2010.
Conference *Correlated Phenomena in Low-Dimensional Systems*, Max-Planck Institute for Complex Systems Dresden, July 2010.
Theoretical Physics Colloquium, Universität zu Köln, February 2010.
Theoretical Physics Seminar, Innsbruck University, November 2009.
Conference *50 years of the Aharonov-Bohm Effect*, Tel Aviv University, October 2009.
Theoretical Physics Seminar, Technical University of Dresden, September 2009
Conference and Workshop on Topological Order: From Quantum Hall Systems to Magnetic Materials, Max-Planck Institute for Complex Systems Dresden, July 2009.
Condensed Matter Seminar, Tel Aviv University, May 2009.
Theoretical Physics Seminar, University Stuttgart, February 2009.
Seminar SFB 475 (Mathematical Statistics), TU Dortmund, January 2009.
Condensed Matter Theory Seminar, RWTH Aachen, January 2009.

Dutch national condensed matter gathering in Twente, October 2008.
 Microsoft Project Q meeting, University of California at Santa Barbara, June 2008.
 Workshop *Quantum Phases and Excitations in Quantum Hall Systems*, Dresden, June 2008.
 Condensed Matter Theory Seminar, Free University Berlin, April 2008.
 APS March Meeting New Orleans, Invited Talk, March 2008.
 Symposium on *The Route to Non-Abelian Physics*, Princeton University, February 2008.
 Conference on *Disorder, Fluctuations, and Universality*, Cologne University, January 2008.
 Solid State Physics Seminar, University of Hannover, January 2008.
 Theoretical Physics Group Seminar, Ludwig-Maximilians-Universität München, January 2008.
 Condensed Matter Seminar, department von Klitzing, Max-Planck Institute for Solid State Research Stuttgart, January 2008.
 Microsoft Project Q meeting, University of California at Santa Barbara, June 2007.
 Theoretical Physics Seminar, University of Birmingham, June 2007.
 The Forum, Oxford University, June 2007.
 Theoretical Physics Group Seminar, Ludwig-Maximilians-Universität München, June 2007.
 Condensed Matter Theory Seminar, Augsburg University, June 2007.
 Workshop *Spin and Charge Flow in Nanostructures*, Centre for Advanced Study of the Norwegian Academy of Science and Letters, May 2007.
 Abendvortrag, Magnus-Haus Berlin, March 2007.
 Condensed Matter Theory Seminar, Free University of Berlin, November 2006.
 Theoretical Physics Seminar, Duisburg University, November 2006.
 Workshop on Interactions, excitations and broken symmetries in quantum Hall systems, MPI Dresden, October 2006.
 Condensed Matter Theory Seminar, Weizmann Institute of Science, December 2005.
 Condensed Matter Theory Seminar, Harvard University, October 2005.
 DPG Summer School on Dynamics of Socio-Economic Systems: A Physics Perspective, Lecture Series, Physikzentrum Bad Honnef, September 2005
 Third Nikkei Econophysics Symposium, Tokyo, November 2004
 Workshop on Volatility of financial markets, Lorentz Center, Leyden University, October 2004.
 Theoretical Physics Colloquium, Cologne University, May 2004.
 Theoretical Physics Seminar, Free University of Berlin, April 2004.
 First International Winter School on Physics of Socio-Economic Systems, Lecture Series, University of Konstanz, February 2004.
 DAAD Summerschool on Traffic and Econophysics, Lecture Series, August 2003.
 Physics Colloquium, Magdeburg University, November 2003.
 Nikkei Symposium on Application of Econophysics, Tokyo, November 2002.
 International Econophysics Conference, Bali, August 2002

Workshop on Mesoscopic Physics and Electron Interaction, ICTP Trieste, July 2002.
Conference “Horizons in Complex Systems”, Messina (Italy), December 2001.
Condensed Matter Theory Seminar, Würzburg University, January 2001.
Conference “Empirical Science of Financial Fluctuations”, Tokyo, November 2000.
Jyväskylä summer school, lecture series, Jyväskylä (Finland), August 2000.
March Meeting of the American Physical Society, March 2000.
Condensed Matter Theory Seminar, Augsburg University, July 1999.
Condensed Matter Theory Seminar, Harvard University, January 1999.
Condensed Matter Theory Seminar, Yale University, November 1998.
Condensed Matter Theory Seminar, Strassburg University, October 1998.
Condensed Matter Theory Seminar, Essen University, July 1998.
Extended Research Workshop on Disorder, Chaos and Interaction in Mesoscopic Systems, ICTP Trieste, August 1998.
SNS/Forum 1998 Workshop “Semiconductor Nanostructures”, Scuola Normale Superiore Pisa, June 1998.