

Curriculum Vitae

Dr. Rudolf Hackl

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Personal data

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Scientific career

2014 Visiting Scholar at the Stanford Institute for Materials and Energy Sciences (SIMES) Stanford University and SLAC National Accelerator Laboratory, USA (09/01–11/27)

2014 - 2017 Principal Investigator in the Collaborative Research Center *From Correlations to Functionality* (TRR 80)

2013 - 2016 Principal Investigator in the Priority Program *High-temperature superconductivity in iron pnictides* (SPP1458)

2010 - 2013 Principal Investigator in the Collaborative Research Center *From Correlations to Functionality* (TRR 80)

2010 - 2013 Principal Investigator in the Priority Program *High-temperature superconductivity in iron pnictides* (SPP1458)

2010 Lecturer (PD) at the Technical University Munich

2008 - 2012 Principal Investigator in the Marie Curie Project FINELUMEN (PITN-GA-2008-215399)

2004 - 2010 Principal Investigator in the Research Unit *Doping dependence and phase transitions in copper-oxygen superconductors* (FOR 538)

1998 Habilitation in Physics at the Budapest University of Technology and Economics, Hungary

1990 - Research Associate (tenured) at the Walther Meissner Institute (Bavarian Academy of Sciences and Humanities)

1988 - 1990 Postdoctoral Research Assistant at the Walther Meissner Institute (Bavarian Academy of Sciences and Humanities)

1987 - 1988 Postdoctoral Research Assistant at the Technical University Munich

1987 Ph.D. (Dr.rer.nat.) in Physics, Technical University Munich

1980 Master's degree (Staatsexamen) in Mathematics and Physics

Areas of research

- Experimental Condensed Matter Physics
- Inelastic light scattering in materials with strong electronic interactions
- Properties of matter at low temperature
- Unconventional and novel superconductors
- Ordering phenomena and fluctuations
- Layered systems, metal oxides, pnictides, chalcogenides
- Disordered systems
- C₆₀, carbon nanotubes, and related compounds

Services to the community

- 2016 Guest Editor of Phys. Status Solidi B (with B. Büchner)
- 2016 Organizer of the International Workshop *Superconductivity in iron-based compounds*,
September 13-16, Munich
- 2012 Organizer of the International Workshop *Superconductivity in iron-based compounds*,
March 21-23, Munich
- 2011 Co-organizer of the International Workshop *Functionality from Heterostructures*,
October 10-12, Obergurgl, Austria
- 2010 Guest Editor of Eur. Phys. J. *Special Topics* (with W. Hanke)
- 2010 Organizer of the International Workshop *Properties of High-Temperature
Superconductors*, April 13-16, Munich
- 2008-2011 Member of the evaluation board of the neutron source
Heinz Maier-Leibnitz (FRM II)
- 2008 Co-organizer of the International Workshop *Properties of Cuprate Superconductors
III*, November 2-7, Ringberg
- 2007 Organizer of the International Workshop *Properties of Cuprate Superconductors II*,
December 17-19, Munich
- 2005 Co-organizer of the International Workshop *Properties of Cuprate Superconductors*,
November 6-11, Ringberg
- 2004 Organizer of the International Workshop *Ordering Phenomena in HTSC*, November
4-5, Munich
- 2004-2010 Lead Principal Investigator in the Research Unit *Doping dependence and phase
transitions in copper-oxygen superconductors* (FOR 538)
Referee for 11 international journals
- Reviewer for 7 funding agencies