

Name & Affiliation

Prof. Dr. Wolfgang Scherer (*18.08.1964)
Chair of Chemical Physics and Materials Science
Institute of Physics, University of Augsburg
Homepage: <https://www.physik.uni-augsburg.de/cpm>
➤ 173 Publications in refereed journals, h-index: 42



Professional Experience

1985 - 1991 Study of Chemistry, TU Munich (Germany)
1991 - 1994 Dissertation in Chemistry, TU Munich
1995 - 1997 Postdoctoral leaves: (i) University of Oslo (Norway); (ii) University of Tromsø (Norway); (iii) Institut des Matériaux de Nantes (France)
1997 - 2001 Habilitation at TU Munich
1998 - 2002 Project leader of the high-resolution single crystal diffractometer at the neutron research reactor FRM-II, TU Munich (Garching)
since 2002 Chair of Chemical Physics and Materials Science, Institute of Physics, University of Augsburg

Research Interests

- Organometallic and solid state chemistry
- C-H and Si-H bond activation & catalysis
- Low dimensional superconductivity
- Electronic structure analysis
- Charge density studies at subatomic resolution

Methods & analytical Techniques

- Single crystal and powder X-ray diffraction at non-ambient conditions
- (@ pressures up to 15 GPa and @ low temperatures (>1.7 K))
- Neutron beamline for structural studies at non-ambient conditions
- Spectroscopy: UV/Vis, IR, solution and solid state NMR; ICP-OES
- Elemental Analysis

Activities

2002 - 2004 Member of the SFB 484 and instrumentation committee of FRM II
2004 - 2006 Chairman of the proposal committee of FRM-II
2004 - 2008 Member of the board of trustees (German Museum in Munich)
2005 - 2012 Member and vice-spokesperson of the DFG Priority Program SPP 1178
2006 - 2013 Member of the International Graduate Program "NanoCat"
(Elitenetzwerk Bayern)
since 2004 Member of the International Master Program "Advanced Materials Science"
(Elitenetzwerk Bayern)
since 2011 Member of the IUCr Commission on Charge, Spin and Momentum Densities