

Professor Manfred Martin

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Education

1972–1978 Study of physics, Technical University Hannover, Germany
1979–1981 Research assistant, Dept. Nuclear Medicine, Hannover Medical School, Germany
1982–1984 Dr. rer. nat., University Hannover, Germany

Professional Carrier

1984–1990 Lecturer, University Hannover, Germany
1990 Habilitation (Physical Chemistry), University Hannover, Germany
1990–1994 Privatdozent, University Hannover, Germany
1992 Visiting Scholar, Department of Theoretical Chemistry, University of Oxford, UK
1994–2000 Professor of Physical Chemistry, Technical University Darmstadt, Germany
1999 Call for a full professorship of Physical Chemistry at University Kaiserslautern, decline
2000–present Chair of Physical Chemistry, RWTH Aachen University, Germany
2005–2006 Visiting Professor, Department of Chemical Engineering and Materials Science, University of California, Davis, USA
2006–2008 Director of the Institute of Physical Chemistry, RWTH Aachen University, Germany
2008–2010 Head of the Department of Chemistry, RWTH Aachen University, Germany
2011–2013 WCU Professor, Hybrid Materials Program, Department of Materials Science and Engineering, Seoul National University, Korea
2014–present Director of the Institute of Physical Chemistry, RWTH Aachen University, Germany

Honors and awards

1991 Carl-Wagner Award, Max Planck Institut für Biophysikal. Chemie, Göttingen, Germany
1995 Carl-Duisberg Award, Gesellschaft Deutscher Chemiker German (GDCh), Germany
2010 Fellow of the Royal Society of Chemistry, UK
2010 Wilhelm Jost Memorial Lecture, Academy of Sciences, Göttingen, Germany
2013–present Adjunct Professor, Department of Materials Science and Engineering, Seoul National University, Korea

Professional Services and Memberships

- Rector's delegate for the Cooperation with Korea, RWTH Aachen University, Germany
- Deputy director JARA-FIT (Jülich-Aachen Research Alliance - Future Information Technology), Germany
- Affiliate member, Conferences Committee of Engineering Conferences International (ECI), USA
- Editorial Board Member, Defect and Diffusion Forum
- Advisory Board Member, Physical Chemistry Chemical Physics
- Member of Deutsche Bunsengesellschaft für Physikalische Chemie, Gesellschaft Deutscher Chemiker, Royal Society of Chemistry, American Ceramic Society
- Guest Editor Z. Phys. Chem. (1998), J. Materials Science (2008), Phys. Chem. Chem. Phys. (2009), J. Kor. Ceram. Soc. (2011)
- Co-organizer International Symposium on Defects, transport and related phenomena, Annual Meeting of the American Ceramic Society, since 2006

Research interest

Physical chemistry of solids, material for energy conversion, defects and diffusion, solid state reactions, secondary ion mass spectrometry, X-ray absorption spectroscopy, computer simulations

Publications

Peer-reviewed papers in scientific journals: >200
Invited, keynote and plenary talks: > 110
Patents: 1