

## Manfred Martin

Professor of Physical Chemistry

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### Education

1972–1978 Study of physics, Technical University Hannover, Prof. H.U. Everts  
1979–1981 Research assistant, Dept. Nuclear Medicine, Hannover Medical School  
1982–1984 Doctor degree in natural sciences, University Hannover, Prof. H. Schmalzried

### 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

### Memberships and Professional Services

- 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
- 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)

### Research interest

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

### Publications

Peer-reviewed papers in scientific journals: >220  
Invited, keynote and plenary talks: > 110  
Patents: 1