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Academic career

- 2012– Principal Investigator, A*STAR Institute of High Performance Computing, Singapore, founding head of Catalysis Modelling Group
- 1980–2013 Professor (now: emeritus), TUM
- 1972–1974 DFG fellowship: Dept. of Materials Science MIT, Cambridge MA, USA;
Dept. of Chemistry & School of Applied Physics, Cornell University, Ithaca NY, USA

Guest professorships

- 2015–2016 Electrochemistry & New Materials, TUM CREATE, Singapore
- 2014 Institute of Materials Chemistry, TU Wien, Vienna, Austria
- 2011 Dept. of Chemistry, Tsinghua University, Beijing, China
- 2006 Dept. of Chemistry, U Barcelona, Spain
- 1999 Fakultät für Chemie, U Heidelberg, Germany
- 1998 Dept. of Physical Chemistry, U Barcelona, Spain
- 1997 Dept. of Chemistry, U Florida, USA
- 1992 Dept. of Chemistry, U Auckland, New Zealand

Special teaching activities

- 2003 German Institute of Science and Technology (now TUM-Asia), Singapore
- 2003 Initiator of and teacher at the First Thai Summer School of Computational Chemistry, Khon Kaen University, Thailand

Publications

- ca. 475 Publications in refereed journals
- ca. 40 Contributions to multi-authored volumes
- h-index 69; 16,800 citations

Academic offices

- 2011–2013 Academic director, Catalysis Research Center, TUM
- 2008–2011 Founding director, Catalysis Research Center, TUM
- 1999–2001 Spokesperson SFB 338 (center of excellence) “Adsorption at Solid Surfaces“

Honors

- 2012 Heinz Maier-Leibnitz Medal, highest distinction of TUM for scientific achievements
- 2009 Fellow, Royal Society of Chemistry, UK
- 2005 Dr. honoris causa, University of Sofia, Bulgaria
- 2002 Visiting Professor, North East Normal University, Changchun, Jilin, PR China