

Curriculum Vitae

Robert SCHLÖGL

Personal Data:

Name: Robert Schlögl
Place and Date of Birth: Munich, February 23, 1954
Nationality: German
Position and affiliation : Director at Fritz Haber Institute of the Max Planck Society
Faradayweg 4 – 6
D14195 Berlin
and
Founding Director Max Planck Institute for Chemical Energy Conversion
Stiftstr. 34 – 36, 45470 Mülheim a.d.Ruhr

Robert Schlögl studied chemistry and completed his PhD at Ludwig Maximilians University in Munich. After post-doctoral stays at Cambridge and Basle and a professorship at University Frankfurt, in 1994 he became a director at the Fritz Haber Institute of the Max Planck Society in Berlin. Furthermore, in 2011 he was appointed founding director of the Max Planck Institute for Chemical Energy Conversion in Mülheim a.d. Ruhr.

His research mainly focuses on inorganic chemistry, heterogeneous catalysis, nanostructures, material science for chemical energy conversion and the development of concepts for sustainable energy supply and storage.

Professional Education

Chemistry 1973-1978, Germany
Diploma Thesis, 1979
PhD. Chemistry, 1982 Ludwig Maximilians Universität in Munich, "Marginalien in Schwarz, Beiträge zur Interkalationschemie in Graphit"
Post-Doctorate, 1982-83 Sir. J. M. THOMAS, Dept. of Physical Chemistry, Cambridge, U.K.
1984-85 Prof. H. J. GÜNTHERODT, Institut für Physik, Basle, Switzerland
Habilitation, 1986-89 Prof. G. ERTL, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin
1989 Qualification as a University Lecturer, Habilitation Title: Understanding the Structure of the Industrial Ammonia-Synthesis Catalysts

Work experience :

Academic:

Since 2018 Honorary Professor at Boreskov Institute of Catalysis (Russia)
Since 2017 Distinguished Affiliate Professor TU Munich,
Since 2015 Honorary Professor at Ruhr-Universität Bochum
Since 2012 Honorary Professor at Universität Duisburg-Essen
Since 2011 Founding Director Max Planck Institute for Chemical Energy Conversion, Mülheim a.d.Ruhr
Since 1994 Director at the Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin
Since 1998 Honorary Professorship at Humboldt-Universität zu Berlin
Since 1995 Member of the Berlin-Brandenburgischen Akademie der Wissenschaften
Since 1994 Honorary Professorship at the Technische Universität (TU) Berlin, Department of Chemistry
1989 -1994 Full Professor of Inorganic Chemistry, J.W. Goethe-Universität, Frankfurt

Industrial:

1986 Hoffmann La Roche, Basle, Switzerland

Sabbaticals and Fellowships

2001 Guest Professorship: L.M.S.P.C., Laboratoire des Matériaux, Surfaces et Procédés pour la Catalyse, UMR 7515 du C.N.R.S. / ULP, Université Louis Pasteur
2004 Tetelman Fellow, Yale University, USA
2005 Fellow of the Royal Society of Chemistry, Cambridge, UK

Honors and Awards:

Schunck Award for Innovative Materials, 1989
Otto Bayer Prize, 1994
Dechema Medal, 2010

Max Planck Communitas Award, 2013
Alwin Mittasch Award, 2015
Innovation Prize State North-Rhine Westphalia, 2016
ENI Award Energy Transition, 2017
Eduard Rhein Cultural Prize, 2019
Ipatieff Lecturer, 2019

Positions, professional activities

Political

- *Chairman of the Steering Committee of the project of the German academies “Energy Systems of The Future” - advising board to the Federal Government of Germany
- * President of the German Catalysis Society for 6 years.
- * Initiation of National Industry-Academia Coordinated Research Initiative operating since 2000
- * Co-initiator of a National Priority Funding Program on model catalysis (DFG-SPP) with 15 teams nationwide
- * Co-initiator of a German Research Center of Excellence (DFG-SFB) on metal oxide model catalysis
- * Chair of panel 4 (Chemistry and Material Sciences) of the European Research Council (ERC)

scientific

- * Core Participant in European Network IDECAT “Catalysis for Sustainable Energy Production”
- * Max Planck Project MAXNET Energy (8 Max Planck Institutes, University of Virginia and Cardiff University doing research cooperation that aims at obtaining a deeper understanding of basic processes in chemical energy conversion and the rational design of novel catalysts, materials and techniques)
- * Participation in various EU projects, i.e. CANAPE, ELCAT, Athena,
- * Contract based cooperation with Borskov Institute, Novosibirsk, University of Zagreb, University of California, Berkeley, Stanford University, University of Messina, University of Cambridge, DTU Lyngby, ETH Zurich
- * Industry-Academia project “**Carbon2Chem**”
- * Numerous bilateral and multi-lateral Academia-Industry cooperations: e.g. with industrial partners such as BASF SE, thyssenkrupp AG, Degussa, Clariant AG,
- * Max Planck Partner Group with State Key Laboratory on Catalysis in Dalian, China

teaching

- * Participation in International Max Planck Research Schools and initiation of the Berlin inter-university-graduate teaching lecture series on modern aspects in Catalysis

Commissions and Boards:

- BBAW (Berlin Brandenburg Academy of Sciences), Board Member
- Member of the Convent for Technical Sciences of the Union of German Academies of Sciences (acatech)
- BESSY Beamtime Committee, Berlin (Berliner Elektronenspeicherring-Gesellschaft für Synchrotronstrahlung m.b.H.)
- BESSY Scientific Advisory Board
- Dechema e.V. Fachsektion Katalyse, Chair 1996-2002
- EFCATS – European Federation of Catalysis Societies - Board (Europäischer Katalytiker-Verbund)
- Hahn-Meitner-Institut (HMI), Berlin, Scientific Advisory Board (1995-2001)
- IACS - International Association of Catalysis Societies
- Max-Planck-Gesellschaft, Advisory Board for Scientific Information, Chair (until 2005)
- GDCh (Society of German Chemists), Literatur-Kommission
- PCCP (Physical Chemistry – Chemical Physics) Advisory Board
- Advisory Board Archiv zur Geschichte der Max-Planck-Gesellschaft (2008-2012)
- Leopoldina
- Advisory Board RWE
- MCEC Scientific Advisory Board

Editorial Boards:

Since 2003 Catalysis Letters
Since 2003 Journal of Catalysis
1999- 2003 PCCP (Physical Chemistry – Chemical Physics)
1998- 2002 Applied Catalysis A
Since 2009 ChemCatChem

Memberships

- AAAS (American Association for the Advancement of Science)
- ACS (American Chemical Society)
- American Carbon Society
- DECHEMA (Gesellschaft für chemische Technik und Biotechnologie m.b.H.)
- Deutsche Bunsengesellschaft
- DGE (Deutsche Gesellschaft für Elektronenmikroskopie)
- DGMK (Deutsche Gesellschaft für Erdöl, Erdgas und Kohle e. V.)
- DPG e. V. (Deutsche Physikalische Gesellschaft e. V.)
- Freunde der Hebräischen Universität Jerusalem in Berlin e. V.
- GDCh (Gesellschaft deutscher Chemiker)
- ICHEME Working Party on Chemical Reaction Engineering in the European Federation of Chemical Engineering
- The Electrochemical Society

Conferences/Conventions

More than 1000 publications, more than 500 presentations and invited talks, *h*-index 95

Patents:

registered inventor for about 20 families of patents and/or patent applications