

Curriculum Vitae Prof. Dr. Robert Schlögl

Academic and professional career

- since 2015 Honorary professor at the Ruhr University Bochum
- since 2013 Honorary Professor at the University of Duisburg-Essen
- 2011 -2022 Founding Director and Managing Director at the Max Planck Institute for Chemical Energy Conversion (MPI CEC), Mülheim an der Ruhr
- 2005 Fellow of the Royal Society of Chemistry, Cambridge, UK
- 2004 T Tetelman Fellow, Yale University, USA
- 2001 Visiting Professor at the Laboratoire des Matériaux, Surfaces et Procédés pour la Catalyse (L.M.S.P.C.), Université Louis Pasteur, Strasbourg, France
- since 1998 Honorary Professor at the Humboldt University of Berlin, Department of Chemistry
- since 1994 Honorary Professor at the Technical University of Berlin, Department of Chemistry
- 1994 - 2023 Director at the Fritz Haber Institute of the Max Planck Society, Berlin
- 1989 - 1994 C4 Professorship for Inorganic Chemistry at the University of Frankfurt/Main
- 1989 Habilitation at the Fritz Haber Institute of the Max Planck Society, Berlin
- 1984 - 1985 Postdoctoral researcher at the Institute of Physics, Basel, Switzerland
- 1982 - 1983 Postdoc at the Institute of Physical Chemistry, Cambridge University, UK
- 1982 Doctorate at the Ludwig-Maximilians-University, Munich
- 1979 Diploma in Chemistry
- 1973 - 1978 Studies of Chemistry at the Ludwig-Maximilians-University Munich

Functions in scientific societies and committees

- 2023 President Alexander von Humboldt Foundation
- 2022 Honorary Fellow Chinese Chemical Society
- 2021 Member Academia Europaea
- Since 2020 Vice-President Leopoldina
- 2020/21 Vice-Chairman of the National Hydrogen Council (NWR)
- Since 2018 Member of the Board of Trustees of the Academies' Project "Energy Systems of the Future" (ESYS), supported by acatech - German Academy of Science and Engineering, the National Academy of Sciences Leopoldina and the Union of the German Academies of Sciences and Humanities

Since 2017	Chair of the Carbon Capture and Usage (CCU) Working Group, Science Advice for Policy by European Academies (SAPEA)
2017	Member of the Supervisory Board at the Helmholtz-Zentrum Berlin für Materialien und Energie
since 2016	Chairman of the Advisory Board of the Copernicus Projects of the Federal Ministry of Education and Research (BMBF)
since 2015	Member of the High-Tech Forum of the BMBF
2013 - 2017	Chairman of the steering committee of the academy project "Energy Systems of the Future" (ESYS)
2012 - 2017	Head of the Steering Committee of the Scientific Advisory Council of the German Federal Government "Energy Systems for the Future".
since 2010	Chairman of the Max Planck Commission "Future Directions of Science
since 2010	Spokesperson of the thematic network "Energy and Resources", acatech - German Academy of Science and Engineering
2010 - 2014	Member of the Scientific Advisory Board of the Leibniz Institute for Catalysis, Rostock
since 2009	Member of the Editorial Board of ChemCatChem
since 2009	Member of the Advisory Board of ChemSusChem
2008 - 2012	Member of the Advisory Board on the History of the Max Planck Society
2007- 2010	Chairman of the Panel Chemistry and Material Sciences of the European Research Council (ERC)
2004 - 2006	Chairman of the Chemical-Physical-Technical Section of the Scientific Council of the Max Planck Society
since 2003	Member of the Editorial Board of Catalysis Letters
2003 - 2009	Member of the Editorial Board of the Journal of Catalysis
1999 - 2005	Head of the Scientific Information Committee of the Max Planck Society
1999 - 2004	Chairman of the Award Committee of the Berlin-Brandenburg Academy of Sciences and Humanities
1999 - 2003	Member of the Editorial Board of Physical Chemistry - Chemical Physics (PCCP)
1998 - 2002	Member of the Editorial Board of Applied Catalysis A
1996 - 2003	President of the German Catalysis Society (GECATS)
1996 - 2002	Head of the Catalysis Section of the Society for Chemical Engineering and Biotechnology (DECHEMA)
1995 - 2001	Member of the Scientific Advisory Board of the Hahn Meitner Institute (HMI), Berlin

Member of the Advisory Board of the German Catalysis Society (GECATS)

Member of the Advisory Board of the European Federation of Catalysis Societies (EFCATS)

Member of the Scientific Advisory Board of the Berlin Electron Storage Ring Society for Synchrotron Radiation m.b.H. (BESSY)

Member of the Advisory Board of the International Association of Catalysis Societies (IACS)

Project coordination, membership in collaborative projects

- since 2019 Involved in the DFG Cluster of Excellence EXC 2008: Unifying Systems in Catalysis "UniSysCat".
- since 2019 Involved in the DFG Cluster of Excellence EXC 2089: e-conversion
- since 2019 Involved in the DFG Cluster of Excellence EXC 2186: The Fuel Science Center - Adaptive Conversion Systems for Renewable Energy and Carbon Sources
- since 2018 DFG project "Transient High-Temperature Oxygen Evolution Reaction", subproject to SPP 2080: "Catalysts and reactors under dynamic operating conditions for energy storage and conversion"
- Since 2018 DFG project "Advanced transmission electron microscopy and in situ X-ray spectroscopy (B07)", subproject to TRR 247 "Heterogeneous oxidation catalysis in the liquid phase - materials and mechanisms in thermal, electro- and photocatalysis"
- 2007 – 2018 Involved in the Cluster of Excellence EXC 314 "Unifying Concepts in Catalysis".
- 2007 - 2010 DFG project "Raman spectroscopy as a diagnostic tool to determine the structure-reactivity correlation of carbon black of different microstructure".
- 2003 - 2008 DFG project "Microscopic structure formation of catalyst surfaces under real conditions", subproject of SPP 1091 "Bridging ideal and real systems in heterogeneous catalysis".
- 2002 - 2008 DFG project "New tailored carbon nanofilaments for catalytic applications".
- 2001 - 2010 DFG project "Oxide nitrides of zirconium as materials and model compounds for the catalytic activation of ammonia".
- 2001 - 2006 DFG project "Nitride oxides and nitride compounds as materials and model compounds for the catalytic activation of nitrogen".
- 2000 - 2008 DFG project "Characterisation and modification of active sites for the heterogeneously catalysed partial oxidation of methanol over copper", subproject of SPP 1091 "Bridging ideal and real systems in heterogeneous catalysis".
- 2000 - 2005 DFG project "From single crystal systems to real catalysts using the example of hydrogenation on silver catalysts", subproject of SPP 1091 "Bridging ideal and real systems in heterogeneous catalysis".

1999 - 2011 DFG project "Partial oxidation of small hydrocarbon molecules with microscopic amounts of $VxOy$ catalyst systems", subproject to SFB 546 "Structure, dynamics and reactivity of transition metal oxide aggregates".

Involved in several EU projects, including CANAPE, ELCAT, TECHNOTUBES, GRAFOL

Collaborations with Boreskov Institute of Catalysis, Novosibirsk, Russia; EPFL, Switzerland; Cardiff University, U.K.; University of Messina, Catania, Italy; MIT, Boston, USA; University of Virginia, Charlottesville, USA; University of California, Berkeley, USA a.o.

Participant of the European Network IDECAT "Catalysis for Sustainable Energy Production".

Max Planck Project ENERCHEM "Energy from renewable resources - an interdisciplinary approach by Chemists and Material Scientists to tackle questions of social relevance".

Co-initiator of the DFG Priority Programme on Catalysis Research

Co-initiator of the DFG Cluster of Excellence on Catalysis Research

Awards and memberships conferred

2020 Honorary doctorate from the University of Darmstadt, Germany

2019 Ipatieff Lecture of the Center for Catalysis and Surface Science (CCSS), USA

2019 Eduard Rhein Culture Prize

since 2018 Honorary Professor, Boreskov Institute of Catalysis, Russia

since 2017 Distinguished Affiliated Professor, Technical University of Munich (TUM)

2017 Ruhr Prize for Art and Science of the City of Mülheim a.d. Ruhr

2017 ENI Award Energy Transition

2016 Innovation Award of the State of North Rhine-Westphalia

2015 Alwin Mittasch Prize, Society for Chemical Engineering and Biotechnology (DECHEMA) and German Catalysis Society

2013 Max Planck Communitas Prize

since 2011 Member of the National Academy of Sciences Leopoldina

2010 DECHEMA Medal

since 2005 Fellow of the Royal Society of Chemistry, UK

since 1995 Member of the Berlin-Brandenburg Academy of Sciences and Humanities

1994 Otto Bayer Prize

1989 Schunck Award for Innovative Materials

Publications/Patents

1300 publications, approx. 20 patent families