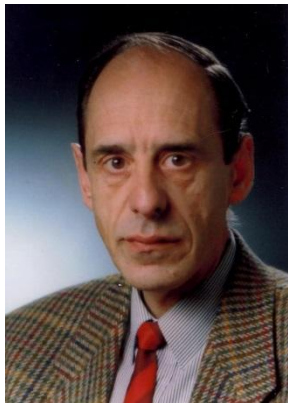


# Herbert Gleiter



Membership Number: 3846

Membership type:

Membership type: ORDINARY

Section:

Section: [PHYSICS & ENGINEERING SCIENCES](#)

Elected: 2014

Main Country

of Residence: GERMANY

Homepage(s): <http://www.int.kit.edu/leadership>

## Present and Previous Positions

- 2023 Director of the Herbert Gleiter International Research Institutel of Liaoning Academy of Marterials (LAM), China
- 2021 Founding Director of the Herbert Gleiter International Laboratory of the Chinese Academy of Science at Shenyang, China
- Since 2015 Senior Fellow (jointly with the Nobel and Fields Medal Laureates Haroche, Lehn and Small) of the Institute of Advanced Studies, City University of Hong Kong.
- Since 2012 Founding Director of the Herbert Gleiter Institute of Nanoscience of Nanjing University of Science and Technology, Nanjing, P.R.China
- Since 2006 Professor and Distinguished Senior Fellow of the Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), Germany
- 2007 - 2010 Distinguished Professor, Arizona State University, Phoenix, USA
- 2005 Distinguished Scholar of the Korean Research Foundation, Seoul, Korea
- 2004 - 2007 Kuang-pui Chair Professor, Zhejiang University, Hangzhou, PR China
- 1998 - 2004 Director of the Institute of Nanotechnology, Research Center Karlsruhe, Germany
- 1994 - 1998 Member of the Executive Board of the Research Center Karlsruhe, Germany
- 1987 - 1994 Founding Director of the Institute of New Materials, Saarbruecken, Germany
- 1973 - 1994 Professor/Director of the Institute of Material Science, University of the Saarland, Germany
- 1972 Professor, Institute of Materials Science, University Bochum, Germany
- 1971 Visiting Sientist of the Massachusetts Institute of Technology (MIT), Cambridge, USA
- 1966 - 1969 Research Fellow at Harvard University Cambridge, USA

## Fields of Scholarship

- Atomic structure and properties of inter-crystalline interfaces
- Mechanical properties of materials
- Nano-crystalline materials
- Thermal stability of crystals
- Polymer physics
- New kinds of non-crystalline solids: Nano-glasses
- Limits of Quantum Physics

## Honours and Awards

- 2023 Fellow and Member of the Core Academy in the Division of Natural Sciences
- 2023 Honorary Doctor Degree of the School of Materials of Lanzhou University China
- 2023 Member of Liaoning Academy of Materials (LAM), Shenyang, China
- 2022 Stookey Award of Discovery American Ceramic Society
- 2021 Fellow of Lanzhou University and the Chinese Academy of Science
- 2021 Honorary Doctor in Physics, University of Lanzhou, China
- 2020 Elected Director of the Herbert Gleiter International Laboratory (Shenyang, China) of the Chinese Academy of Science
- Researcher of the Year Award of 2020 by the International Association of Advanced Materials, Advanced Materials. Published in Advanced Materials Letter 11(6) 2020 53L
- 2020 Laureate of the International Association of Advanced Materials
- 2019 Jan Czochralski Medal and Award, Polish Academy of Science, Warsaw University
- 2017 Member of the US National Academy of Inventors
- Award of the "Medal of Friendship-Order of Merit" by the Government of China, Jiangsu Province. This order was awarded (for the first time to a citizen from abroad) for the foundation - in 2011 - and the successful start of the "Herbert Gleiter Institute of Nanoscience" at Nanjing
- 2016 Election to the rank of Fellow of the US National Academy of Inventors (NAI)
- 2015 Honorary Doctor Degree in Physics of the City University of Hong Kong
- 2015 Corthenius Medal (the highest award of German National Academy of Sciences)
- 2015 Election to the Global Academy of Engineering
- 2012 Edward DeMille Campbell Award, American Society for Metals (ASM)
- 2009 Blaise Pascal Medal of the European Academy of Sciences, Belgium
- 2008 Von Hippel Award of the Materials Research Society, USA
- 2002 Honorary Doctorates of the Universities of Darmstadt, Muenster, ETH Zuerch,, Lanzhou and Zhejiang University Hangzhou
- 1999 Werner Heisenberg and Humboldt Medals of the Alexander von Humboldt Foundation, Germany
- 1998 Heyn Medal of the German Society for Materials Science
- 1998 - 2014 Elected as a Member of 7 National Academies
- 1995 Gold Medals of the Federation of European Material Societies (FEMS), Belgium and of Acta Materialia
- 1993 Max-Planck-Research Prize of the Humboldt Foundation and the Max Planck-Society, Germany
- 1988 Leibniz Prize of the German National Science Foundation (DFG)
- 1972 Masing Prize of the German Society for Metals