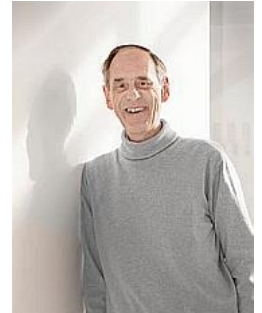




Curriculum Vitae Professor Dr. Herbert Gleiter



Name: Herbert Gleiter
Born: 13 October 1938 in Stuttgart

Main research interests: Materials Science, Nanocrystalline Materials, Nanoglasses

Academic and Professional Career

- since 2015 Senior Fellow 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, 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
- 2004 - 2007 Kuang-pui Chair Professor, Zhejiang University, Hangzhou, China
- 1998 - 2004 Executive 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 Senior Member and Founding Director of the Institute of New Materials, Germany
- 1982 Call to the Federal Institute of Technology (ETH) Zurich, Switzerland
- 1980 Call to the University of Hamburg-Harburg, Germany
- 1973 - 1994 Professor and Director of the Institute of Material Science, University of the Saarland, Germany
- 1972 Professor, Institute of Materials Science, University Bochum, Germany
- 1971 Visiting Professor of the Massachusetts Institute of Technology (MIT), USA
- 1970 D. Sc. in Material Science at the University of Bochum, Germany

- 1966 - 1969 Research Fellow at the Harvard University Cambridge, USA
- 1966 Ph.D. in Physics at the Technical University of Stuttgart, Germany
- 1965 Study of mechanical engineering and physics at the Technical University of Stuttgart, Germany, degree: graduate engineer

Functions in Scientific Societies and Committees

- 2015 - 2020 Member of the Advisory Board of the Global Academy of Engineering
- 2007 - 2012 Vice President of the German National Academy of Sciences Leopoldina
- 2005 - 2010 Member of the Supervisory Board of Elsevier (area: Material Research), Germany
- 2002 - 2012 Member of the Expert Advisory Board of the Elite Network of Bavaria, Germany
- 2000 - 2003 Member of the Scientific Council of the Republic of Slovenia
- 1995 - 2000 Member of the Supervisory Board of the Hahn Schickard Society, Germany
- 1994 - 2010 Board of Trustees of the Freiburg Materials Research Centre, Freiburg University, Germany
- 1994 - 2000 Member of the Supervisory Board of Forschungszentrum Jülich, Germany
- 1994 - 1998 Member of the Supervisory Board of BESSY, Germany
- 1994 - 1998 Scientific Advisor to the Hahn Meitner Institute Berlin, Germany
- since 1992 Member of the President's Council of the University of Illinois, USA
- 1990 - 2005 Scientific Advisor to the German Israel Foundation (GIF)
- 1989 - 2005 Central Selection Committee and Awards Committee of the Alexander von Humboldt Foundation, Germany
- 1989 - 2003 Scientific Committee of the Polish Academy of Sciences

Honours and Awarded Memberships

- 2020 Fellow of the Chinese Academy of Sciences (CAS)
- 2020 Honorary Doctor and Senior Fellow of the University of Lanzhou, China
- 2018 Jan Czocharlski Medal and Award, Polish Academy of Science, Warsaw University
- since 2018 Senior Fellow of the Institute for Advanced Study (IAS), City University Hong Kong
- since 2016 Member of the US National Academy of Inventors
- since 2016 Fellow of the US-National Academy of Inventors (NAI) – the invention of die nanomaterials was introduced into the NAI Hall of Fame
- 2016 Friendship Award and Medal of Merit of Chinese Government, Jianzu, China
- since 2015 Fellow of the Institute of Advanced Study, City University of Hong Kong
- 2015 Honorary Doctor of the City University of Hong Kong

2015	Cothenius Medal of the German National Academy of Sciences Leopoldina
since 2015	Member of the Global Academy of Engineering
since 2014	Member of the European Academy of Sciences and Arts
since 2014	Member of the Academia Europaea
2014	Davis Lecture Award, North Carolina State University
2014	Distinguished Lecturer, University of Hong Kong
2012	Zijin Chair Professor Award of the Herbert Gleiter Institute of Nanoscience of the Nanjing University of Science and Technology, Nanjing, China
2012	Nanomaterials Award 2012
2012	Edward DeMille Campbell Award, American Society for Metals (ASM)
2011	Fellow of the Indian Society of Mathematical Modelling
2011	Honorary Member of the American Nano Society
2011	Fellow of the Indian Society of Mathematical Modelling and Simulation
2011	Fellow of the Materials Research Society (MRS), USA
since 2011	Member of the Indian National Science Academy
since 2009	Member of the European Academy of Sciences
since 2009	Member of the Indian Academy of Sciences
2009	Honorary Member of the German Materials Society
2009	Member of the Indian Academy of Sciences
2009	R.F. Mehl Award of the Minerals, Metals, Materials Society, USA
2009	Blaise Pascal Medal of the European Academy of Sciences, Belgium
2009	NANO Today Award of the Agency for Science, Technology Research, Singapore
2008	Honorary Member of the Materials Research Society (MRS), USA
2008	Honorary Doctor of the University of Muenster, Germany
2008	Honorary Doctor of the Federal Institute of Technology (ETH) Zurich, Switzerland
2008	Achievement Award NANOSPD Int. Steering Committee
2008	Staudinger-Durrer Lecture Award of the Federal Institute of Technology (ETH) Zurich, Switzerland
2008	Von Hippel Award of the Materials Research Society, USA
2007	Gold Medal of Acta Materialia
2006	Member of the Indian National Academy of Engineering
2006	Humboldt Medal of the Alexander von Humboldt Foundation, Germany

since 2006	Member of the Indian National Academy of Engineering
2005	Distinguished Scholar of the Korean Research Foundation
2004	Member and Honorary Professor of Lanzhou University, China
since 2004	Member of the US National Academy of Engineering
since 2004	Member of the American Academy of Arts and Sciences
2004	H. Lee Lecture Award of Chinese Academy of Science
2004	Honorary Professor at Zhejiang University, Hangzhou, China
2003	Nanomaterials Award of the Deutsche Bank, Germany
2002	Honorary Doctor of the Technical University of Darmstadt, Germany
2000	Van Horn Award of Case Western University Cleveland, USA
1999	Werner Heisenberg Medal of the Alexander von Humboldt Foundation, Germany
since 1998	Member of the German Academy of Sciences Leopoldina
1998	Heyn Medal of the German Society for Materials Science
1996	Honorary Fellow of the Materials Research Society of India
1995	Gold Medal of the Federation of European Material Societies (FEMS), Belgium
1994	Honorary Member of the Materials Research Society of India
1993	Vinci of Excellence Award of the Hennessy-Vuitton Foundation, France
1993	Max-Planck-Research Award of the Humboldt Foundation and the Max Planck-Society, Germany
1992	Member of the President's Council of the University of Illinois, USA
1992	TMS Lecture Award of the US Minerals, Metals and Materials Society
1991	Order of Merit of Saarland, Germany
1988	Leibniz Prize of the German National Science Foundation (DFG)
1985	Fellow of the Japanese Society for the Promotion of Science
1984	Alcoa Prize of the Alcoa Foundation, USA
1979	Karl Schurz Award of the University of Wisconsin, USA
1972	Masing Prize of the German Society for Metals

Main Research Interests

In the late 1970s Herbert Gleiter's research opened the way to a new area of Materials Science by realizing the idea to synthesize a new class of solid materials in which the volume fraction of interfaces is comparable to the volume fraction of the crystallites forming these interfaces. As the crystal size required to achieve this kind of structure is in the order of a few nanometers these materials are called today

Nanocrystalline Materials.

In more recent years he expanded the field to nanostructured glassy materials, called today nanoglasses as well as to materials structured chemically on nanometer scale (nanometer structured alloys).