

# Curriculum Vitae

## Herbert Gleiter

### Professional Career

- 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
- 1998           **Founding Director** (jointly with Profs. J M Lehn and D. Fenske) 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
- 1982           Call to the **Federal Institute of Technology (ETH)** Zurich, Switzerland
- 1980           Call to the **University of Hamburg-Harburg**, 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 Scientist** of the **Massachusetts Institute of Technology (MIT)**, Cambridge, USA
- 1970           D. Sc. (Habilitation) in **Material Science** at the University of Bochum, Germany
- 1966 - 1969   **Research Fellow** at **Harvard University** Cambridge, USA
- 1966           Ph.D. in **Physics** at the Technical University of Stuttgart, Germany

1959-1965 Student of **Mechanical Engineering and Physics** at the Technical University of Stuttgart, Germany

### **Honours and Awards (selection)**

2022 **Stookey Award of Discovery** American Ceramic Society

2020 **Honorary Doctor** of Lanzhou University

2020 **Researcher of the Year**, Advanced Materials Letters

2019 **2019 Laureate** of the International Association of Advanced Materials

2018 **Jan Czocharlski Medal and Award**, Polish Academy of Science, Warsaw University,

2016 **Friendship Award** and **Medal of Merit** of Chinese Government, Jianzu, China

2015 **Cothenius Medal** of the German National Academy of Sciences - Leopoldina

2015 **Honorary Doctor** of the City University of Hong Kong

2014 **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)

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 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 Award** of the Federal Institute of Technology (ETH) Zurich, Switzerland

2008 **Honorary Member** of the German Materials Society DGM

2008 **Von Hippel Award** of the Materials Research Society, USA

2007 **Gold Medal** of Acta Materialia

2006 **Humboldt Medal** of the Alexander von Humboldt Foundation, Germany

2005 **Distinguished Scholar** of the Korean Research Foundation

2004 **Honorary Professor** of Lanzhou University, PR China

2004 **H. Lee Lecture Award** of Chinese Academy of Science

- 2004        **Honorary Professor** at Zhejiang University, Hangzhou, PR 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
- 1998        **Heyn Medal** of the German Society for Materials Science
- 1995        **Gold Medal** of the Federation of European Material Societies (FEMS), Belgium
- 1993        **Vinci of Excellence Award** of the Hennessy-Vuitton Foundation, France
- 1993        **Max-Planck-Research Prize** 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)
- 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

### **Memberships in National Academies**

- 1998 Member of the **German National Academy of Sciences** – Leopoldia, Germany,
- 2004 Member of the **US National Academy of Engineering**
- 2004 Member of the **American Academy of Arts and Sciences**
- 2006 Member of the **Indian National Academy of Engineering**
- 2007-12 **Vice President** of the **German National Academy** of Sciences
- 2009 Member of the **European Academy of Sciences**
- 2009 Member of the **Indian Academy of Sciences**
- 2011 Member of the **Indian Science Academy**
- 2014 Member of the **Academia Europaea**
- 2014 Member of the **European Academy of Sciences and Arts**

2015 Member of the **European Academy of Arts and Sciences**

2016 Member of the **US National Academy of Inventors**

### **Honorary Memberships**

1985	Fellow of the Japanese Society for the Promotion of Science
1994	Honorary Member of the Materials Research Society of India
1996	Honorary Fellow of the Materials Research Society of India
2008	Honorary Member of the Materials Research Society (MRS), USA
2009	Honorary Member of the German Materials Society
2011	Honorary Member of the American Nano Society
2011	Fellow of the Indian Society of Mathematical Modelling
2011	Fellow of the Indian Society of Mathematical Modelling and Simulation
2011	Fellow of the Materials Research Society (MRS), USA

### **International Ranking**

#### **Web of Science Citation Index**

Sum of all citations: **29 000**

h - index: **83**

Number of publications: **360**

#### **Listed among the Top 100 Materials Scientists**

- on **rank 13 world wide**
- on **rank 1 in Europe**
- on **rank 1 in nanomaterial world wide**

### **Three most Highly Cited Publications**

#### ***Nanocrystalline materials***

H. Gleiter

Progress in Materials Science **33** 223-315 (1989)

Times cited **3700**

### ***Nanostructured materials. Basic Concepts and Microstructure***

H. Gleiter

Acta Materialia **48** 1-29 (2000)

Times cited **2600**

### ***Ceramics ductile at low temperatures***

J. Karch, R. Birringer, H. Gleiter

Nature **330** 556-558 (1987)

Times cited **1700**

### **Publications/Exhibitions about Herbert Gleiter**

- A.Nordmann, Perspectives on Sciences **17**, 2009, 123 - MIT Press Journals, doi:10.1162/posc.2009.17.2.123
- Nanotechnologien im Kontext, A.Nordmann, J.Shummer, A.Schwarz Eds.
  - Akademische Verlagsgesellschaft, 2006
  - Berlin, Germany; ISBN 3-89838-074-2
- Invisible Origins of Nanotechnology: Herbert Gleiter, [www.philosophie.tu-darmstadt.de/.../nordmann/invis...](http://www.philosophie.tu-darmstadt.de/.../nordmann/invis...)
- Pionier der Nanowissenschaften, [www.chemie.de/news/d/96897/](http://www.chemie.de/news/d/96897/)
- **German Museum Munich,**  
Center of New Technologies – Permanent Exhibition on Nano- and Biotechnology.: The discovery of Nanomaterials by Herbert Gleiter

- Listed in Wikipedia and various “ Who is Who“
- DIE ZEIT: Auf zu neuen Dimensionen, [www.zeit.de/2005/26/nano](http://www.zeit.de/2005/26/nano)