

## Prof. Dr.-Ing. Horst Hahn

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Gender: male



### Main affiliations:

#### **The University of Oklahoma**

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#### **Karlsruhe Institute of Technology**

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### Further affiliation:

#### **Technical University Darmstadt**

Institute of Materials Science  
Joint Research Laboratory Nanomaterials  
Otto-Berndt-Str. 3  
D-64206 Darmstadt  
Germany

### **University training and degree**

1972-1978 Materials Science, University of Saarland, Saarbrücken, Germany

### **Advanced academic qualification**

1978-1982 PhD program, Technical University Berlin, Germany

### **Postgraduate professional career**

Since 2022 Distinguished Materials Visiting Professor, The University of Oklahoma, USA  
Since 2022 KIT Distinguished Senior Fellow, Karlsruhe Institute of Technology (KIT), Institute of Nanotechnology, Germany  
2004-2022 Executive Director, Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), Germany, retired on 09/2022  
Since 2004 Head of KIT-TUD Joint Research Laboratory Nanomaterials, Institute of Materials Science, TU Darmstadt, Germany  
2012-2022 Principal Investigator at Herbert Gleiter Institute of Nanoscience, Nanjing, China

2011-2015	Founding Director of Helmholtz Institute Ulm for Electrochemical Energy Storage, Germany
1992-2004	Full Professor, Institute of Materials Science, Technical University Darmstadt, Germany
1990-1992	Associate Professor (tenure) at Department of Materials Science and Engineering, Rutgers University, New Brunswick, USA
1987-1990	Research Assistant Professor, Department of Materials Science and Engineering, University of Illinois at Urbana-Champaign, USA
1985-1987	Research Associate, Materials Science Division, Argonne National Laboratory, USA
1982-1985	Post-doctoral fellow at University of Saarland, Germany

### **Others**

Calls for professorships: Rutgers University, New Jersey, USA (accepted, 1990); Technische Universität Darmstadt (accepted, 1992); University of Florida, Gainesville (denied, 1999); Forschungszentrum Karlsruhe (now KIT, accepted, 2004)

### **Honors and awards**

2019	Fellow of the National Academy of Inventors, USA
2019 – 2022	Distinguished Visiting Professor at University of California Irvine
2018	Honorary Professor at Xi'an Jiaotong University, Xi'an, China
2017	Foreign Member of the National Academy of Engineering, USA
2013	Robert Franklin Mehl Award of The Minerals, Metals & Materials Society, USA
2012	Heyn Denkmünze of Deutsche Gesellschaft für Materialkunde (DGM), Germany
2010	Member of Leopoldina – National Academy of Germany
2010	Member of The European Academy of Science
2010	Fellow of the Materials Research Society (MRS), Pittsburgh, USA
2007	Guest Professor at Lanzhou University, Lanzhou, China
2005	Distinguished Professor at IIT Madras, India (lifetime position)
2004	Honorary Professor at University of Hyderabad, Physics Department, Hyderabad, India
2003	Nanotechnology Award of the Deutsche Bank, Berlin, Germany (jointly with Profs. Gleiter and Fecht)
2002	Visiting Professor at Nanyang Technological University, School of Materials Engineering, Singapore (2002)
1982	Fellowship of Fritz-Thyssen Foundation for highly-qualified young scientists

### **Selected positions and memberships in committees**

- Chairman (Obmann) of Section Engineering Sciences of Deutsche Akademie der Naturforscher Leopoldina (German National Academy of Sciences), Halle, Germany (ongoing)
- Member of University Council of University of Osnabrück, Germany (ongoing)
- Member of Scientific Advisory Boards of IFW Dresden, IOM Leipzig and ZHM Hamburg (ongoing)
- Member of Review Committee for Department of Materials Engineering at Indian Institute of Science, Bangalore (August 2023)
- Editor of Scripta Materialia (past)
- Editor of Materials Letters (past)
- Editor of Materials Research Letters (ongoing)
- Editor-in-chief of Materials Science and Engineering A (starting July 2023)
- Member and Chairman of International Committee on Nanostructured Materials (past)

### **Publications & patents**

Peer-reviewed publications (> 550 publications; h-index = 69 (as of May 30, 2023))

Patents (> 70 patents and patent applications, incl. 14 US patents)