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- 1972-1978** Study in Mechanical Engineering with specialization in Materials Technology at the Ruhr-University Bochum
Dipl.-Ing. degree at the Institute of Materials (Prof. E. Hornbogen)
- 1981** Dr.-Ing. degree at the Institute of Materials, Faculty of Mechanical Engineering, Ruhr-University Bochum (Prof. G. Luetjering)
- 1989** Dr.-Ing. habil. degree (habilitation) in Materials Science and Engineering at TU Hamburg-Harburg
- 1990** Venia legendi in Materials Science and Materials Technology

- 1981-1983** Research Associate (Postdoc) and Feodor-Lynen-Fellow (AvH-Foundation), Department of Materials and Aerospace Sciences at the University of Rochester (Prof. J.C. M. Li), Rochester, NY, USA
- 1983-1993** Senior Research Associate in the Institute of Materials Science and Engineering at TU Hamburg-Harburg (Prof. G. Luetjering)
- 1990-1993** Lecturer in Materials Technology and Forming Technology at TU Hamburg-Harburg
- 1993-2002** Full Professor of Materials Technology (1993-1996) and of Physical Metallurgy (1996-2002) at BTU Cottbus
- 2000-2002** Member of the Directorium of the Research Center of Light Alloys Panta Rheing GmbH, Cottbus
- 2002-** Full Professor at the Institute of Materials Science and Engineering, Faculty of Natural and Materials Sciences, TU Clausthal
- 2003-2007** Adjunct Professor at the Department of Materials Science and Engineering, Clemson University, SC, USA
- 2005-** Director of the Institute of Materials Science and Engineering, TU Clausthal
- 2007-** Member of the Board of Clausthal Center of Materials Technology (CZM)

- 2008-** Guest Professor at the Xinxiang University, Henan, P. R. China
2009- Guest Professor at NPU of Xi'an University, Shaanxi, P. R. China

Memberships

- Deutsche Gesellschaft für Materialkunde (DGM)
- DGM-Working Group Titanium (Chair)
- DGM-Working Group Mechanical Surface treatments (Chair:1997-2004)
- Scientific Working Group of Professors in Materials Technology (WAW e.V.)
- TMS Minerals Metals Materials
- TMS Committee on Titanium
- International Organizing Committee (IOC) on Titanium (German Delegate)
- International Organizing Committee of International Symposium on Physics of Materials (ISPMA)
- International Organizing Committee of International Conferences of Engineering Against Fracture (ICEAF)
- International Scientific Committee on Shot Peening (ISCSP)
- International Advisory Board of Xi'an International Titanium Conferences
- SAE Surface Enhancement Division
- Member of the Editorial Board of the International Journal of Materials and Product Technology
- ASIIN-Working Group of Physical technologies, Materials and Processes (2005-2007)
- Member of the Editorial Advisory Board of Emerald's International Journal of Structural Integrity
- Member of the International Advisory Board of PFAMXVIII (Japan)

Awards

- Feodor-Lynen Fellowship of AvH-Foundation (USA 1981-83)
- Teaching Award 1998 of the Faculty of Mechanical, Electrical and Electronic Engineering of BTU Cottbus
- Shot Peener of the Year 2000
- Honda German Initiation Grant 2002