

Prof. Dr. Harald Fuchs

Physikalisches Institut
Wilhelm-Klemm-Str. 10
48149 Münster, Germany

Telefon: +49 251/83-33621
Fax: +49 251/83-33602

Email: fuchsh@uni-muenster.de
Web: <http://www.uni-muenster.de/Physik/PI/Fuchs>



Education and Scientific Career

- 1971 - 1977 Studies of physics, Diploma thesis in Theoretical Physics (Prof. Dr. G. Meißner), University of Saarbrücken; Germany
- 1977 - 1980 Staff member of SFB 38, Medical Department, Membrane Research, Physiological Institute, Univ. of Saarbrücken, Homburg; Germany
- 1982 Dr. rer. nat. in Physics (Prof. Dr. H. Gleiter), Univ. Saarbrücken
- 1984 - 1985 Postdoctoral-fellowship, IBM-Research Laboratory, STM Group (G. Binnig and H. Rohrer), Rüschlikon, Switzerland
- 1985 - 1993 Industrial research, BASF AG, Project manager within a industry/academia collaborative project 'Ultrathin organic films' funded by BMBF
- 1993 Full Professor (C4), Westfälische Wilhelms-Universität Münster, Director of the Physical Institute, Münster, Germany
- 2000 Founding Chairman of the Center for Nanotechnology (CeNTech), Münster

Present academic positions

- 1993 - Full Professor (C4), WWU Münster
- 2003 - Scientific director of CeNTech, Münster
- 2004 - Division manager at the Institute of Nanotechnology (INT), KIT, Karlsruhe, Germany
- 2008 - Speaker of the first Sino-German Collaborative Research Center 'TRR61' funded by DFG/NSFC (WWU Münster/Tsinghua Univ.)

Research Interests

Nanoscience, Nano(bio-)technology, Nanomedicine
Scanning Probe Methods (STM, AFM, SNOM, SICM)
Theory of tip/sample interactions
Self-organized functional organic systems
Surface Chemistry

Publications

450 Scientific publications (Peer reviewed)
500 Conference contributions
250 Invited lectures at conferences and scientific colloquia
15 (Co-)edited books
34 Patent applications

Offers (Professor- and Institute directorships)

1993 Münster
2002 Mainz
2003 Karlsruhe

Membership in Academies

2003 Elected Member of the Deutsche Akademie für Naturforscher Leopoldina
2008 Elected Member of the German Academy of Science and Engineering, acatech
2011 Elected associate member of 'The World Academy of Sciences (TWAS)'

Awards and Honours

1994 Philip-Morris-Research Prize "Challenge Future", Nanotechnology
2001 Innovationspreis Münsterland für Wissenschaft und Wirtschaft
2009 Emich Plaque of the Austrian Society for Analytical Chemistry
2009 Federal Cross of Merit (Bundesverdienstkreuz 1. Klasse)

Guest Professorships

1998 Jilin Universität, Changchun; China
2004 Zhejiang Universtät, Hangzhou, China
2009 Tsinghua Universität, Beijing, China
2009 WCU-Prof., Gwangju Inst. of Science and Technology, Korea
2010 Zijin-Professor at HGI/NJUST, Nanjing, China

Academic functions

1995 - 1997	Dean of the Physics Department of the University of Münster
1998 – 2000 & 2014 -	Managing Director of the Physical Institute
1998 - 2000	Speaker, BMBF-Competence-Center 'Nanoanalytics'
1999 - 2004 & 2008 - 2014	Member of the Senate, University of Münster

Membership in scientific societies and boards

Deutsche Physikalische Gesellschaft (DPG)
Bunsengesellschaft
DECHEMA – Arbeitsausschuß 'Chemische Nanotechnologie'
Gesellschaft Deutscher Naturforscher & Ärzte (GDNÄ)
American Vacuum Society (AVS)
American Association for the Advancement of Science (AAAS)
Advisory Board member of Deutsches Museum, Munich, Germany
Member of the Joint Committee of the 'Chinesisch-Deutsches Zentrum' für
Wissenschaftsförderung, CDZ, Beijing, China

Advisory board member of scientific journals

Small (VCH) (Co-chair of the editorial board)
Biomedical Microdevices
Nano Today
Advanced Materials Interfaces
Surface & Interface Analysis (SIA)
Nanotechnology