



Prof. Dr. Harald Fuchs

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Education and Scientific career

1971 - 1977	Studies of physics, University Saarbrücken, Diploma thesis in Theoretical Physics (Prof. Dr. G. Meißner)
1977-1980	Staff member, Membrane Research, SFB 38, Medical Department, II. Physiological Institute, Univ. Saarbrücken, Homburg
1982	Dr. rer. nat. in Physics (Prof. Dr. H. Gleiter), Univ. Saarbrücken
1984 - 1985	Postdoctoral-fellowship, IBM Rüschlikon, STM Group (G. Binnig and H. Rohrer)
1985 - 1993	Industrial research, BASF AG, Project manager: Ultrathin organic films
1993	Universitätsprofessor C4 (University of Münster); Director of the Physical Institute
2000	Co-founder of the Center for Nanotechnology (CeNTech), Münster

Present academic positions

1993 -	Universitätsprofessor C4 (Full Professor), University of Münster
2003 -	Scientific director of CeNTech, Münster
2004 -	Member of the Institute for Nanotechnology (INT), FZ-Karlsruhe
2008 -	Speaker, Intl. collaborative project TRR-SFB 61 (DFG/NSFC)

Research interests

Nanoscience, Nanotechnology
Scanning probes
Self organized systems, Nanobiotechnology
Theory of tip/sample interactions

Publications

over 400 scientific publications (Peer reviewed)
500 conference contributions
250 invited lectures for scientific colloquia
15 co-edited books
33 patent applications

Calls (Professorships and Institute director)

1993 Münster
2002 Mainz
2003 Karlsruhe

Awards and Honours

1994 Philip-Morris-Research Prize "Herausforderung Zukunft", Nanotechnology
2001 Innovationspreis Münsterland für Wissenschaft und Wirtschaft
2003 Elected Member of the Deutsche Akademie für Naturforscher Leopoldina
2008 Elected Member of the German Academy of Science and Engineering (acatech)
2009 Federal Cross of Merit (Bundesverdienstkreuz 1. Klasse)
2009 Emich Plaque of the Austrian Society for Analytical Chemistry
2011 Elected associate member of TWAS

Guest Professorships

Since 1998	Jilin University, Changchun; China
Since 2004	Zhejiang University, Hangzhou, China
Since 2008	Tsinghua University, Beijing, China
Since 2009	Intl. Faculty, at GIST/WCU, Gwangju South Korea

Visiting Professorships

2000	Visiting Professor, Chinese Academy of Science (CAS), Center for Molecular Science, Beijing; China
1999/2000	Visiting Professor, Faculty of Science, Katholieke Universiteit Leuven, Belgium

Academic functions

1995	Dean of the Physics Department of the University of Münster
1997	Deputy Dean of the Physics Department of the University of Münster
1998 - 2000	Managing Director of the Physical Institute

1998 - 2000 Speaker, BMBF-Competence-Center 'Nanoanalytics'
1999, 2004, 2008 Member of the Senate, University of Münster

Membership in scientific societies

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
Member of the 'Impulskreis Nanotechnologie'

Advisory board of scientific journals

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