



Born in 1955
Married since 1984
Four children

Helmut Dosch

Education

1974 – 1981 Physics studies, University of Munich
1982 – 1983 Graduate student, Institut Laue-Langevin, Grenoble
1984 PhD, University of Munich
1984 – 1986 Postdoc, Cornell University, Ithaca, New York
1986 – 1991 Scientist, University of Munich
1991 Habilitation (experimental physics), University of Munich

Positions

1992 Guest Professor, University of Mainz
1993 Offer of Fiebiger professorship,
University of Würzburg (declined)
1993 – 1997 Full Professor, University of Wuppertal
1997 – 2009 Director, Max Planck Institute for Metals Research, Stuttgart,
and Full Professor, University of Stuttgart
2005 – 2006 Managing Director, Max Planck Institute for Metals Research
since 2009 Chairman of the DESY Board of Directors and
Full Professor, University of Hamburg
since 2013 Vice-President of the Helmholtz Association

Memberships

Deutsche Physikalische Gesellschaft (DPG)
European Physical Society (EPS)
International Union of Pure and Applied Chemistry (IUPAC)

Awards

1985 Feodor Lynen Award of the
Alexander von Humboldt Stiftung (AvH)
1999 Fellow of the International Union of
Pure and Applied Chemistry (IUPAC)
2002 Pin of Honour of Technical University Munich
2010 Röntgen Medal of the city of Remscheid
(birthplace of W.C. Röntgen)
2010 Honorary Doctorate, Kurchatov Institute, Moscow
2013 Honorary Member of the Materials Research Society
of India (MRSI)

Current advisory activities (selection)

Council of the European Synchrotron Radiation Facility (ESRF), Grenoble
Council of the European XFEL X-ray laser, Hamburg
Board of Governors, Argonne National Laboratory, University of Chicago
BESAC Committee of the Department of Energy (DOE), Washington
Founding Chair of the European LEAPS consortium, Brussels
Chair of the Council of the University of Kiel

Research fields

- Conception of new analytical methods using synchrotron radiation and neutrons
- Surface-sensitive X-ray scattering
- Diffuse X-ray and neutron scattering
- Order–disorder phenomena in condensed matter
- Fluctuations in matter
- Solid–liquid interfaces
- Binary alloys and phase transitions
- Ice surfaces and interfaces
- Organic films and nanostructures
- Nano-oxidation

Publications

- 200 publications in peer-reviewed journals between 1983 and 2009
 - 10 000 citations (Google Scholar)
- h-index: 55

Books and strategy documents

H. Dosch and M.H. Van de Voorde
GENNESYS: Study on Nanoscience and Nanotechnology in Europe exploiting Synchrotron Radiation and Neutron Facilities
Max Planck Institute for Metals Research, Stuttgart (2009)
ISBN 978-3-00-027338-4

M. Rühle, H. Dosch, E. Mittemeijer, M. H. van de Voorde
European Whitebook on Fundamental Research in Materials Science
Max Planck Institute for Metals Research, Stuttgart (2000)
ISBN 3-00-008806-7

H. Dosch
**Critical Phenomena at Surfaces and Interfaces:
Evanescent x-ray and neutron scattering**
Springer Tracts in Modern Physics 126 (1992)

Essays and comments

The European GENNESYS Project on Nanomaterials Science and Technology
IUMRS Facets 5 (No. 4), 1 (2006)

Die Nano-Zunft rückt zusammen
Bild der Wissenschaft 9/2005, 94–95 (2005)

The Need to Join Forces in Europe
Materials Today, December 2004, Opinion, 72 (2004)

Vorgabenfrei, aber nicht ins Blaue
Physik Journal 1, No. 12, 3 (2002)

2011 – Odyssee im Nanokosmos
Max Planck Forschung 1/2002, 16–20 (2002)

Schnappschuss vom Schmelzen
Physikalische Blätter 56, No. 2, p. 11 (2000); *ibid.* No. 4, p. 22