

Professor Dr. Karl Fuchs

Born 1932, Stettin/Germany

ACADEMIC and PROFESSIONAL EXPERIENCE:

1963 PhD, University of Clausthal
1957 - 1959 Exploration Geophysicist at SEISMOS GmbH in the Brazilian Amazon Basin and the Algerian Sahara
1964 - 1965- Visiting Scientist Saint Louis University, Saint Louis/Missouri,
Visiting Professor Southwest Center for Advanced Studies, Dallas/Texas
1965 - 1966 Scientif. Assistant and Assoc. Professor at Karlsruhe University.
1968 Habilitation, University of Karlsruhe
1971 - 1997 Professor of Geophysics and Director of the Geophysical Institute at Karlsruhe University.
1984 - 1985 Visiting Fellow Research School of Earth Sciences, ANU, Canberra, Australia.
1990 & 1994 Visiting Cox-Professor, Stanford University
1996 Visiting Scientist, USGS Menlo Park
1997 Professor emeritus
2001-2004 Visiting Scientist, USGS Menlo Park

HONORS

1987 Fellow American Geophysical Union (AGU)
1989 Fellow Geological Society of London
1990 Elected Member of Academia Europea
1992 Honorary Member German Geophysical Society (DGG)
1990 Elected Member Heidelberg Academy of Science & Humanities
1991 - Fellow of AAAS
Associate Royal Astronomical Society
Heitfeld Award Alfred Wegener Society
2002 Professor honoris causa University of Bucharest

RESPONSIBILITIES FOR SCIENTIFIC EXPEDITIONS

1971- 1979 Seismic Lithosphere-Profile in France, Britain, Israel and in Scandinavia
1980 - 1995 Chairman of Priority Research Program "Stress and Stress Release in the Lithosphere" Karlsruhe University
1995 - 2002 Chairman Research Project "World Stress Map" of the Heidelberg Academy of Science

ADMINISTRATIVE AND PROFESSIONAL ACTIVITIES

1975 - 1980 Editorial Board Journal of Geophysics.
1976 - 1978 President of the German Geophysical Society.
1979 - Advisory Board of PEPI.
1983 - 1985 Vice-President of European Union of Geosciences
1985 - 1990 President of the Inter-Union Commission on the Lithosphere for the International Lithosphere Program (ILP).
1990 - 1995 Past President Inter-Union Commission on the Lithosphere.
1998 - 2003 Advisory Board of International Continental Drilling Program (ICDP)

Member:

American Geophysical Union, DGG, European Geophysical Society, European Union of Geosciences, European Geophysical Union, Gesellschaft Deutscher Naturforscher und Ärzte. Founding Member of EUROSCIENCE.

PRESENT MAIN RESEARCH INTERESTS

Deep Seismic Sounding and physical properties and composition of the lithosphere/asthenosphere. Continental Rifting; Stress in the Lithosphere; Deep Continental Drilling; Numerical Modelling of Wave Propagation; Impact of Great Earthquakes on Society

Karlsruhe, 30. April 2010

Karl Fuchs

Address: Karlsruhe Institute of Technology (KIT)
Geophysical Institute, Karlsruhe University
Hertz-Str. 16, D-76187 Karlsruhe, Germany;
e-mail:<Karl.Fuchs@kit.edu>