

Activities in the scientific community and honours; summer 2021

Institution	Activity / Honour	Time period
BMBF (German Research Ministry)	Reviewer and Advisor for Climate and Ozone Research	1988 – 2007
	Advisory Group “Remote Sensing of the Atmosphere”	1989/90
Deutsche Akademie Leopoldina	Active Member of the German National Academy Leopoldina	since 2001
	Deputy Senator Earth Sciences	since 2016
Deutscher Bundestag	Advisor of the Enquete-Kommission: “Protection of the Earth Atmosphere”	1990
DFG (German Research Fund)	Review of SFB 318: Climate relevant processes in the system Ocean-Atmosphere-Kryosphere/ Hamburg	1988 – 1997
	Member of the Senate Commission on Atmospheric Sciences	1988 – 1998
	Reviewer for the research field “Physics of the atmosphere and physical oceanography”	1992 – 1999
	Chairman of the Working Group “Remote sensing of the atmosphere and the climate system”	1994 – 1998
DLR (German Aerospace Centre)	Chairman of the Advisory Committee for Global Application (Earth Observation)	1991 – 1997
	Expert Committee for Programme Planning of Earth Observation	1995 – 1997
	Chairman of the Review Board of the Institute for Physics of the Atmosphere, Oberpfaffenhofen	1997
DMG (German Meteorological Society)	Chairman of the „Zweigverein Frankfurt“ of the DMG	1999 – 2002
	Chairman of the DMG	2006 – 2010
	Vice-Chairman of the DMG	2011 – 2013
EUMETSAT ¹⁾	Member of Advisory Committees	1999 – 2005
ESA (European Space Agency)	Advisor in various committees, in particular in the field „Earth Observation“	1988 – 2007
	Main scientist of the MIPAS experiment aboard ENVISAT-satellite	1990 – 2012
European Physical	Chairman of the Committee of the Environmental	2010 – 2020

Society (EPS)	Physics Division	
FZK (Research Centre Karlsruhe)	Member of the Acting Group of the Scientific/Technical Committee	1993 – 1994
	Chairman of the Acting Group of the Scientific/Technical Committee	1999 – 2000
German State Mecklenburg	Foundation of „Blaue Liste“- Institute for Physics of the Atmosphere in Kühlungsborn	1991/92
HGF (Helmholtz Association)	Spokesman of the Research Programme “Atmosphere and Climate”	2000 – 2007
	Chairman of the Committee of the Scientific/Technical Delegates of the 15 Helmholtz Research Centres	2000 – 2002
	Member of several structure and appointment committees for institutes for the research centres AWI, FZJ, GKSS	1988 – 2009
IAMAS (International Association of Meteorology and Atmospheric Sciences)	Member of several commissions: e.g. IRC, ICMUA	since 1988
	President of the International Radiation Commission	2000 – 2004
	Honorary member of the International Radiation Commission	since 2005
Institute for Atmospheric Physics / Kühlungsborn	Chairman of the Scientific Advisory Committee	1993 – 2001
Journals	Reviewer for several journals, e. g. J. Atm. Chem., Contr. Phys. Atm., J. Geophys. Res., Geophys. Res. Lett., J. Q. S. R. T., Annales Geophys. and so on	since 1988
	Co-Editor of the Journal of Quant. Spectr. and Rad. Transfer	1994 – 2005
NASA	Co-Experimenter of the LIMS-experiment on board the American NIMBUS 7 satellite	1976 – 1984
NKGC ²⁾	Member of the Atmospheric Research Committee	1998 – 2000
Reinhard-Süring- Foundation	Chairman of the Executive Committee	2009 – 2020
Royal Swedish Academy	Invitation to submit proposals for the Nobel Prize in Physics for 2008	2008
Technical University of Berlin	Call for a position as full professor in connection with the position as a director of the Institute for Space Sensors/DLR	1993
World Data Centre (DLR)	Member of Advisory Committee of WDC for Atmospheric Research	2006 – 2008

¹⁾ European Organisation for the Exploitation of Meteorological Satellites

²⁾ Nationales Komitee für Globale Änderungen