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Curriculum Vitae

since 2013 Member of Faculty of Physics at University of Wuppertal

since 2012 Head of Group *Global Observations* at IEK-8 of Research Center Jülich
Co-Coordinator of Research Infrastructure IAGOS

2005 Habilitation and Private Lecturer for Meteorology at LMU Munich

SS 2002 Visiting Professor at the University of Vienna, Institute for Experimental Physics

1996 – 2012 Research associate and (since 2008) DLR Senior Scientist at DLR-Institute for Atmospheric Physics, Oberpfaffenhofen

1990 – 1995 PhD (Dr. rer. nat.) at Technical University of Munich

1983 – 1990 Studies of Physics and Meteorology at LMU Munich and University of Hamburg

Community Activities, Honors, Awards

Since 2016 Executive Board Member of the Gesellschaft für Aerosolforschung

Since 2015 Member of the Board of European Environmental Research Infrastructures

Since 2015 Atmospheric Domain Leader in the ENVRplus Community

Since 2015 Convener of EGU session on *Radiative effects of natural and anthropogenic aerosols*

since 2010 Member of WMO Global Atmosphere Watch – Scientific Advisory Group on Aerosols

since 2001 Co-editor of Atmospheric Chemistry and Physics (ACP)

Research Fields

- *Global and long-term observation of atmospheric composition by instrumented passenger aircraft as observation platforms*
- *Water vapour – cirrus cloud interaction from global observations*
- *Spatio-temporal variability and processing of tropospheric aerosol; UTLS aerosol and its role in the climate system*
- *Aerosol optical properties, the aerosol absorption coefficient, black carbon and mineral dust; the development of methods for measuring aerosol optical properties at multiple wavelengths*

Lectures and Talks

Since 2014 Univ. Wuppertal, Lecture courses on *Measurement Techniques in Atmospheric Research*

2011 *Global Aviation and Particulate Matter: From Climate Impact to Volcanic Ash and Back*, plenary talk at the EAC, Manchester, UK

2010 Tutorial on *Aerosol Optical Properties* at the International Aerosol Conference, Helsinki, FI