

Dr. Peter Koepke

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Position: Head of UV-group at Met. Inst. Munich

Study of Physics in Goettingen (BS) and in Muenchen (MS)

Ph.D. (Dr.rer.nat.) from the University of Munich in 1977.

Thesis: Determination of atmospheric turbidity by geostationary satellite (in German)

More than 70 publications

Activities:

Vicarious calibration of satellite radiometer in solar and terrestrial spectral range;
Radiative transfer over rough water surfaces; Measurement of albedo of oceanic whitecaps;
Determination of optical depth by satellite; Climatic effects of aerosols; Nonspherical particles;
Radiative properties of solar power plants (energy balance); Fog statistics;
Optical properties of atmospheric aerosols: OPAC (optical properties of aerosols and clouds)

With respect to UV:

Modeling and measuring of UV-Radiation.

UV-Radiation on tilted surfaces; cloud effects; height dependency;

UV-radiation in future and past

1992-2000 Member of "Com. Nucleation and Atmospheric Aerosols" in ICCP.

1995-2000 Coord. of "Solar UV-B-radiation" in the German Ozone Research Project

1997-2001 Coord. of WG "Modelling" in European COST Action 713 "UV-B Forecasting"

1999-2003 Member of executive committee of Bavarian Research Ass. "Enhanced UV-Radiation"

2000-2008 Member of "Int. Radiation Commission" in IAMAS

2004 Coord. of WG "Modelling" in European COST Action 726 "Climatology of UV radiation over Europe"