

CURRICULUM VITAE

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MICHAEL KAHNERT

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Research Department, Swedish Meteorological and Hydrological Institute
and
Chalmers University of Technology, Department of Space, Earth and Environment

HIGHER EDUCATION QUALIFICATION

- 1994: **Master of science (*Diplom*) in physics**, Freie Universität Berlin (Germany)

DOCTORAL DEGREE

- 1998: **PhD in physics**, Geophysical Institute, University of Alaska Fairbanks (USA).
- Thesis title: Single and multiple electromagnetic scattering by size-shape distributions of small nonspherical particles.

POSTDOCTORAL VISITS

- 1998-1999: **University of Rochester (USA)**, Rochester Theory Center for Optical Science and Engineering.
- 2000-2002: **University of Bergen (Norway)**, Physics Department.

HABILITATION

- 2010: **Docentur**, Department of Space, Earth and Environment, Chalmers University of Technology, Gothenburg, Sweden
Global environmental measurement and modelling

PRESENT POSITION

- **Adjunct professor (20 %)**
Chalmers University of Technology, Department of Space, Earth and Environment,
Gothenburg, Sweden
Microwave and optical remote sensing group
- **Research scientist**
Swedish Meteorological and Hydrological Institute (SMHI), Research Department,
Norrköping, Sweden

PREVIOUS POSITIONS

- **Research scientist:** Norwegian Institute for Air Research (NILU), Kjeller, Norway
Length of appointment: 2002-2004

SUPERVISION

- **Supervision of PhD students** (2000-present): Supervision of six PhD students (four have graduated, two scheduled to graduate in 2021), Co-supervision of three PhD and two master students as part of international collaborations.
- **Supervision of research projects and trainees** (2006-2010): Supervision of five research projects financed by the Swedish International Development Cooperation Agency (SIDA)

JOURNAL EDITOR

- **Handling editor** (2018-present) for the *Journal of Quantitative Spectroscopy and Radiative Transfer*.
- **Associate editor** (2007-2018) for the *Journal of Quantitative Spectroscopy and Radiative Transfer*.
- **Editorial board member** (2014-present) for *Scientific Reports* (Nature Publishing Group)
- **Guest editor** (2013) for *Journal of Quantitative Spectroscopy and Radiative Transfer*, Special issue “Peter Waterman and his scientific legacy”
- **Topical editor** (2006-2012) for *Applied Optics* (Optical Society of America).

SPECIAL COMMISSIONS

- **Expert reviewer** for the German Research Foundation (www.dfg.de), the Israel Science Foundation (www.isf.org.il), and for Springer Verlag (www.springer.com).
- **Member of award committee** (2011–present), Elsevier *van de Hulst Light-Scattering Award for Landmark Life-time Achievements*
- **Member of award committee** (2007-2011), *Peter Waterman Young scientist award*
- **Chairman of award committee** (2020), *van de Hulst Light-Scattering Award for Landmark Life-time Achievements*
- **Opponent at PhD and habilitation defences, member of examination committee** (2011-present) in Sweden, Finland, and France.
- **Conference organizing committee** (2021): Electromagnetic and Light Scattering conference

AWARDS AND DISTINCTIONS

- **Milestone paper award** (2010), Elsevier milestone paper award for the 50-year anniversary issue of *Journal of Quantitative Spectroscopy and Radiative Transfer*.
- **Scholarship holder** (1990-1993) of the *German National Academic Foundation* (www.studienstiftung.de).

RESEARCH GRANTS

- Research grants received by the Swedish Research Council *Vetenskapsrådet*, the Swedish Innovation Agency *VINNOVA*, the Swedish Research Council for Sustainable Development *FORMAS*, the Swedish National Space Board, the Swedish Environmental Protection Agency *Naturvårdsverket*, EU, ESA, the Norwegian Research Council, and the Nordic Council of Ministers. Principal investigator in seven projects, work-package leader in additional five projects.

OTHER QUALIFICATIONS

- **Languages:** German (native), English (C2), Swedish (C2), Norwegian (C1), French (B1), Ancient Greek (B1), Latin (A1)
- **Programming:** Fortran, C, Python, shell script, Java script, Matlab
- **Countries worked in:** Germany (native), Israel (1993 for three months), USA (1994-2000), Norway (2000-2004), Sweden (2004-present)
- **Field work (1998):** Quality control field work for the Atmospheric Radiation Measurement Program (ARM) on the SHEBA research station in the Arctic Ocean