



Frank-M. Göttsche

Personal Information

Date of Birth February 17, 1966
Nationality German

Current Position

since 08/2012 **Senior Scientist.**

Meteorological Satellites Applications Group (MSA)
Institute for Meteorology and Climate Research - Atmospheric Trace Gases
and Remote Sensing (IMK-ASF)
Karlsruhe Institute of Technology (KIT)

Education and Professional Career

- 08/2007 - 07/2012 **Project Scientist**, *Land Surface Analysis - Satellite Application Facility (LSA-SAF) at the IMK-ASF, KIT.*
- 2004 - 2007 **Assistant Professor**, *Physics Department, UAE University, United Arab Emirates.*
- 2003 - 2004 **Scientific Consultant and LSA-SAF Visiting Scientist**, *to IMK-ASF, Forschungszentrum Karlsruhe (now KIT), Germany.*
- 1997 - 2003 **Research Scientist**, *IMK-ASF, Forschungszentrum Karlsruhe (now KIT), Germany.*
- 1994 - 1997 **PhD student**, *at the Institute of Geophysics, Christian-Albrechts University (CAU), Kiel, Germany, and at Department of Earth Sciences, Uppsala University, Sweden.*
- Thesis: "Identification of cavities by extraction of characteristic parameters from ground probing radar (GPR) reflection data"
- 1992 - 1993 **MSc studies**, *at the Institute of Applied Physics, CAU.*

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- Thesis: "Deconvolution of radar data and simulation of the spreading of radar signals in non-homogeneous media"
- 1990 - 1992 **Graduate studies**, *Physics and Mathematics at the CAU.*
- 1989 - 1990 **Erasmus studies**, *Mathematics and Economics at the University of East Anglia, Norwich, United Kingdom.*
- 1986 - 1989 **Undergraduate studies**, *Physics and Computer Science at the CAU.*
- 1985 - 1986 **Military service**, *Anti-tank unit, Lübeck, Germany.*
- 1985 **Abitur (A levels)**, *Grammar School "Friedrich-Schiller", Preetz, Germany.*

Further Training

- 2008 **Projektmanagement Grundlagen**, *Seminar of FTU/KIT, Gleiszellen, Germany.*
- 2005 **Global Land Cover Network Workshop**, *UNEP/FAO, Sharm El Sheikh, Egypt.*
- 2003 **Talks, Presentations, Giving Information**, *Seminar of the Center for Information and Counseling (zib), University of Karlsruhe.*
- 2003 **Leading Groups**, *Seminar of the Center for Information and Counseling (zib), University of Karlsruhe.*
- 2000 **The Oxford / RAL Spring School in Quantitative Earth Observation**, *Oxford, United Kingdom.*
- 1998 **Our Solid and Liquid Planet**, *Summer School, Alpbach, Austria.*
- 1998 **Presentation Skills for Scientists and Engineers**, *Forschungszentrum Karlsruhe, Germany.*

Grants and Awards

Visiting Scientist grant, NOAA GOES-R Risk Reduction (R3) Research Program, Washington, USA

Individual Research grant, UAE University, Al Ain, United Arab Emirates

Scholarship (2 years), Federal State of Schleswig-Holstein, Germany

Individual Research Grant (1 month), from Federal State of Schleswig-Holstein for 2-D Ground Penetrating Radar (GPR) simulations at University of York, UK

Individual Research Grant (1 month), for a GPR field survey, University of Uppsala, Sweden

Scholarship (1 year), Swedish Institute, Stockholm, Sweden

Taylor & Francis Best Letter Award, Int. Journal of Remote Sensing

Teaching Experience

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- 2004 - 2007 **Assistant Professor of Physics**, *UAE University, Al Ain, UAE*, broad range of Physics courses, Master's class in Remote Sensing / GIS.
- 2003 - 2004 **Physics Laboratory Instructor**, *UAE University, Al Ain, UAE*.

Other Skills & Activities

- IT Windows, Linux, C, Pascal, FORTRAN 90, IDL, Envi, GRASS, Matlab/Octave, eCognition, MODTRAN, Stuttgart Neural Network Simulator (SNNS)
- Languages German (native), English (Cambridge Certificate of Proficiency in English), French (basic)
- Practical Solid background in digital and analog electronic hardware, GPS navigation and related mapping software, off-road driving, scuba diving (PADI)
- Reviewer *Remote Sensing of Environment, Journal of Climate, International Journal of Remote Sensing, Journal of Geophysical Research, Geoscience and Remote Sensing Letters, IEEE Transactions on Geoscience and Remote Sensing and ISPRS Journal of Photogrammetry and Remote Sensing*