



NAME: DR. THOMAS SCHNEIDER

INSTITUTION: Technische Universität München (TUM)
SCHOOL OF LIFE SCIENCES, Institute of Forest Management
and Chair for Aquatic Systems Biology

ADDRESS: Hans-Carl-von-Carlowitz-Platz 2, D-85354 Freising, Germany
Phone: +49 8161 714666, +49 8885681056,
email: Tomi.Schneider@tum.de

CURRENT POSITION: scientific staff member, head Geo-Informatics Working Group

ACADEMIC QUALIFICATION: geologist, PhD in forest sciences

Key Experience:

Topic 1 Field and laboratory spectroscopy in forestry, agriculture, limnology, BRDF approximation by field goniometry, physical models and parameter estimation by inversion

Topic 2 Remote sensing and GIS based expert system development in agriculture, forestry and limnology, object oriented image analysis

CAREER HISTORY:

Study	1976-1977 Physics, Technische Universität München
	1977-1985 Geology/Palaeontology, Ludwig-Maximilians Universität Munich

- 1990-1994 PhD Forest Sciences, LMU Munich
- 1986-2001 Project scientist, Chair for Land Use Planning and Nature Conservation, Forest Sciences Faculty of the LMU Munich
- 1994 - present Head of the Remote Sensing and GIS Working Group
- 2001 - 2005 Scientific Staff Member, Chair of Forest Yield Science and Limnological Station of the TUM, Head of the Remote Sensing and GIS Working Group
- 2005 - present Scientific Staff Member of the Institute of Forest Management and the Chair for Aquatic System Biology, - Limnological Station -, of the TUM, Head of the Geo-Informatics Working Groups
- Lecturer in Remote Sensing and Image Analysis and Applied Geoinformatics
- Reviewer for the Journals: IJRS, RS, Forests, Forestry, iForest, Biodiv&Ecol, RSE, PFG, EJFR, EnvManag, CJFR, AJFZ, AVS, EcolEng, Sensors, PERS, J.PlantPhys., EuJRS, STOTEN, Waters, etc.

PROJECT HISTORY

- 1986-1994 Project scientist in: "Forest Disease" and "Climatic Change", Program of the Federal Ministry of Science and Technology (BMFT), "MOMS-02" program of the German Space Agency, "Synergy of optical and microwave data in forestry" of the Bavarian Ministry of Agriculture and Forestry; EU Network "Synergy of Remotely sensed Data", HCM program
- 1995-present Project leader in: Project leader in: "ALPS" MOMS-2P program of DARA (DLR); "ALPMON" CEO network, 4th framework program of the EU; "Save river inundation dynamics with ERS data" ESA AO3; "IKB Dürnast", DFG group project on precision farming; "AQUATIC", DLR/BMBF project limnology/land cover; "WagTach", HTO ("High Tech Offensive Bayern"), ecosystem analysis on watershed level, PI ESA Proba/CHRIS and ADEN ALOS projects, EUS-FH DLR/BMBF project in the RE/TS-X program, RS in Freshwater Lake research of the Bavarian State Ministry of Environment and Health, Forest parameter by advanced RS data DLR/BMBF project in the Sentinel/TanDEM-X program, Reed Monitoring, RapidEye, TerraSAR-X, TanDEM-X science team member, ForDroughtDet, BMEL project on forest drought stress detection, Exploring Ethiopian Church Forests as ecosystem baseline for restoration concepts in the Ethiopian highlands. Etc.
- 1986-present Contributions: E-MAC, EARSEC, LASFLEUR measurement campaigns of the EU, SA, HTO project "Bavarian Forest", ESA PolInSAR, STRIM interreg, DFG 816, KN 586/5-2; DAAD 413/A/10/90285, DFG/PAK188, BMBF/ FKZ 0330803, BLIZ project, Bav.Min.of the Environment, etc....