

Assistant Professor
Civil and Environmental Engineering
Pennsylvania State University
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University Park, PA 16802, USA

Curriculum Vitae

Thorsten Wagener

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Education

- PhD 2002** Civil and Environmental Engineering Imperial College London, UK
Dissertation Advisor: Prof. Howard S. Wheater
Dissertation: "Identification of parsimonious rainfall-runoff models for gauged and ungauged catchments"
- Ir 1998** Civil Engineering and Geosciences Delft University of Technology, NL
Thesis Advisor: Prof. Peter van der Veer
Thesis: "Developing a knowledge-based system to support rainfall-runoff modelling"
- Dipl- Ing 1995** Civil Engineering University of Siegen, D
Thesis Advisor: Prof. Gerd Foerch
Thesis: Development of irrigated agriculture – The introduction of drip irrigation in rural Ethiopia"

Research Interests

Analysis and simulation of hydrologic systems, Watershed hydrology, Model identification and evaluation, Predictions in ungauged basins, Uncertainty analysis, Data assimilation, Integrated assessment and modeling, Hydrologic change impacts and modeling, Semi-arid hydrology, Hydrologic forecasting, Integration of research and learning in hydrology education

Experience

- Assistant Professor 2004 to date**
Civil and Environmental Engineering, Pennsylvania State University, USA
- Postdoctoral Research Associate/DAAD Research Fellow 2002-2004**
National Science Foundation (NSF) Science and Technology Center (STC) for Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA) & Hydrology and Water Resources (HWR), University of Arizona, USA
- Imperial College Consultants 2000-2002**
Several Projects, Clients incl. Southern Water Plc. and Hydro-logic Ltd., UK (projects)
- Research Assistant (Research Staff Appointment) 1998-2002**
Department of Civil and Environmental Engineering, Imperial College London, UK
- Graduate Teaching Assistant 1997-1998**
Department of Civil Engineering, Delft University of Technology, NL (part-time)
- DAAD Research Scholar 1994-1995**
Arbaminch Water Technology Institute (AWTI), Ethiopia
- Project Engineer 1994-1995**
INVETI Civil Engineering Consultants, Siegen, D (project based)
- Undergraduate Research Assistant 1993-1994**
Department of Physics, University of Siegen, D (part-time)