

Stefan R. Falke

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Professional Appointments

- 2005– Manager, Geospatial Information Services for Energy & Environment, Northrop Grumman Corporation Information Systems, St. Louis, MO
- 2002– Research Assistant Professor, Department of Energy, Environmental and Chemical Engineering, Washington University
- 2000–2002 American Association for the Advancement of Science (AAAS) Science and Technology Policy Fellow, US Environmental Protection Agency, Office of Environmental Information
- 1999–2000 Research Associate, Center for Air Pollution Impact and Trend Analysis, Washington University

Education

- 1999 D.Sc. in Environmental Engineering, Washington University
- 1993 M.S. in Engineering and Policy, Washington University
- 1992 B.A. in Physics, Lehigh University

Active Research Projects

- 9/2008-9/2009 PI, *Advancing an Interoperable Air Quality Community Network for NO_x*, NASA
- 9/2008-12/2009 PI, *GEOSS Pilot*, Northrop Grumman Independent R&D
- 9/2006–9/2009 PI, *Sensor-Analysis-Model Interoperability Technology Suite*, NASA Earth Science Technology Office
- 11/2004–10/2009 PI, *Application of Earth Science Enterprise Data and Tools to Particulate Air Quality Management*

Completed Research Projects

- 4/2005–3/2008 PI, *Cyberinfrastructure for Air Quality Management: Networked Data & Tools for Emissions Analyses & Applications*, EPA Office of Air and Radiation
- 1/2008-12/2008 PI, *PULSENet Sensor Web*, Northrop Grumman Independent R&D

Teaching

- 2005-2006 Introduction to GIS, University College, Washington University
- 2003–2005 Environmental Spatial Data Analysis, School of Engineering & Applied Science, Washington Univ.
- 2003 Short course in spatial data analysis presented to EPA Office of Air and Radiation, Washington D.C.
- 2000 Three lecture spatial statistics section of a graduate level “Dynamics of Air Pollutants” course

Professional Service

Lead, Committee on Earth Observation Satellites (CEOS), Working Group on Information Systems & Services (WGISS), Atmospheric Science Interest Group

Co-lead, Air Quality and Health Working Group, Global Earth Observation System of Systems (GEOSS) Architecture Implementation Pilot, Phase 2

Co-chair, Earth Science Information Partners Federation (ESIP) Air Quality Workgroup

Co-chair, Open Geospatial Consortium Earth Systems Science Workgroup

Co-chair *Decision Support Systems, Air & Waste Management Association Aerosol and Atmospheric Optics: Visual Air Quality and Radiation Balance Conference, 2008*

Co-chair *Web Based Information Systems, EPA International Emission Inventory Conference, 2006*

Co-chair *Decision Support Systems for Wildland Fire Management, EastFire Conference, 2005*

Proposal Reviewer for the *National Science Foundation, National Aeronautics and Space Administration*

Manuscript Reviewer for *Atmospheric Environment, Journal of the Air & Waste Management Association, Journal of Applied Meteorology, Journal of Geophysical Research*