

PROFESSIONAL ACTIVITIES

American Geophysical Union

Hydrology Executive Committee: 2001-present

Technical Committees

- (1) Member, Committee on Large Scale Field Experimentation, 1996-present
- (2) Member, Committee on Surface Water, 1996-present
- (3) Co-Chair, Committee on Remote Sensing, 1999-2004
- (4) Member AGU Hydrology Section Outstanding Student Paper Award Committee, 1997-2001
- (5) AGU Hydrology Section, Fall, Program Co-Chair 2006-2008

Editorial

- (1) **Editor, Hydrology, EOS** (2001-2006)
- (2) Associate Editor, *Water Resources Research*, 1997-2001
- (3) Associate Editor, *Journal of Geophysical Research* (Atmospheres), 2001-2003
- (3) **Editor, "Land Surface Hydrology, Meteorology and Climate: Observations and Modeling" (book)**

Special Sessions

- (1) Chairman, Special Session: Large Scale Characterization of Land Surfaces: Surface versus Satellite Data, Spring Meeting of the American Geophysical Union, Baltimore, MD; 27-30 May 1997
- (2) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; 8-12 December, 1997
- (3) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; 7-11 December, 1998
- (4) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; 13-17 December, 1999
- (5) Chairman, Special Session: Remote Sensing and Hydrology, Spring Meeting of American Geophysical Union, Washington DC; May 26-30, 2000
- (6) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 11-15, 2000
- (7) Chairman, Special Session: Remote Sensing and Hydrology, Spring Meeting of American Geophysical Union, Boston, MA, May 28-June 1, 2001
- (8) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 10-14, 2001
- (9) Chairman, Special Session: Remote Sensing and Hydrology, Spring Meeting of American Geophysical Union, Boston, MA, May 28-31, 2002
- (10) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 6-10, 2002
- (11) Chairman, Special Session: Hydrological Prediction in Ungaged Basins III, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 8-12, 2003
- (12) Chairman, Special Session: Remote Sensing of the Land Surface I, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 8-12, 2003

- (13) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes I-IV, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 8-12, 2003
- (14) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes I-IV, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 13-17, 2004
- (15) Chairman, Special Session: Observations and Modeling of the Land Surface Hydrological Processes I-III, Fall Meeting of the American Geophysical Union, San Francisco, CA; December 5-9, 2005
- (16) Chairman, Special Session, Remote Sensing, Hydrology and Field Experiments, Posters, Spring Meeting of the American Geophysical Union, Baltimore MD; May 23-26, 2006

**Institute of Electrical and Electronics Engineers
Geoscience and Remote Sensing Society, SENIOR MEMBER IEEE**

Technical Committees

- (1) Member, International Geoscience and Remote Sensing Symposium, Technical Paper Committee, International Geoscience and Remote Sensing Symposium, 1999-present
- (2) Member, Committee on Instrumentation and Future Technologies, 2000-present
- (3) Member, Committee on Data Fusion, 2000-present
- (4) **Co-chair**, Technical committee on User Applications
- (5) Member, Administrative Council Geoscience and Remote Sensing Society, 2003-present

Editorial

- (1) **Editor, Special issue, *Transactions of Geoscience and Remote Sensing***

Special Sessions

- (1) Chairman, Special Session, Soil Moisture and Hydrological Modeling I, International Geoscience and Remote Sensing Symposium, Honolulu, July 24-28, 2000
- (2) Chairman, Special Session, Remote Sensing of Soil Moisture, International Geoscience and Remote Sensing Symposium, Honolulu, July 24-28, 2000
- (3) Chairman, Special Session, Agriculture and Land Surface Processes, International Geoscience and Remote Sensing Symposium, Honolulu, July 24-28, 2000
- (4) Chairman, Special Session, Soil Moisture and Remote Sensing, International Geoscience and Remote Sensing Symposium, Sydney, Australia, July 9-13, 2001
- (5) Chairman, Special Session, Microwave Remote Sensing of Soil Moisture, International Geoscience and Remote Sensing Symposium, Toulouse, France, July 22-29, 2003
- (6) Chairman, Special Session, Microwave Remote Sensing of Soil Moisture, International Geoscience and Remote Sensing Symposium, Seoul, South Korea, July 20-24, 2003

NOAA Office of Global Programs

Technical Committees

- (1) Member, U.S. Committee on Coordinated Enhanced Observation Project, 2000-present
- (2) Member, GEWEX International Sub-panel on Remote Sensing, 1999-present
- (3) Member, Writing Team, Integrated Global Observing System, 2000-2001

Special Sessions

- (1) Chairman, Special Session: Use of Remote Sensing for Land-Atmosphere Interaction Studies in the Mississippi River Basin, at the GCIP (GEWEX - Global Energy and Water Exchange Continental-Scale International Project) Mississippi River Climate Conference at St. Louis, MO June 8-12, 1998

American Society of Civil Engineers

Associate Editor, Journal of Hydrologic Engineering

National Science Foundation

Board of Directors for Consortium for the Advancement of Hydrological Sciences (CUASHI)

Member, Committee for Hydrological Information Systems

Member of CUAHSI Science Agenda Team [SAT]

Member, Hydrological Measurement Facility [HMF] External Advisory Team

International Association of Hydrological Sciences Member of the Scientific Steering Group for Prediction of Un-gaged Basins 2002-2004

NASA

Member, Validation and Science Team for Advanced Microwave Scanning Radiometer (AMSR)

Member, Inter-Disciplinary Science (IDS) Working Group

State of South Carolina

Technical Committees

- (1) Member, *Drought Response Committee*, State of South Carolina, 1999-present
- (2) Member, Technical Working Group, Agriculture, Forestry and Waste Management of the SC Governor's Climate Change Panel 2007-present

University of South Carolina

- (1) Faculty Senator, Department of Geological Sciences 2001-2003
- (2) Acting Associate Chairman 2001-Fall
- (3) Member, Senate University Libraries Committee 2001-2004
- (4) Writing Team, Strategic Plan, Department of Geological Sciences 2002
- (5) Faculty Search Committee Member – Global Change position 2001
- (6) Chair, Environmental Studies Committee 2001-2003
- (7) Advisory committee, Water Center, School of Environment 2002-2004
- (8) Member, Senate University Athletics Committee 2002-2004
- (9) Member, Senate Libraries Committee 2002-2005
- (10) Chairman, Senate Committee on Academic Responsibility 2004-2006
- (11) Member, Geological Sciences Chair's Council 2005-2006
- (12) Member, USC Academic Integrity Task Force 2005-2007
- (13) Member, University Committee on Tenure and Promotions 2007-2010
- (14) Member, Senate Scholastic Standards and Petitions Committee 2007-2010

PROFESSIONAL SOCIETY MEMBERSHIP

Member,

American Geophysical Union (AGU)

American Meteorological Society (AMS)

Senior Member, International Electrical and Electronic Engineers (IEEE)

American Society of Civil Engineers (ASCE)