

HONORS AND AWARDS

UNESCO Great Man-made River Prize, 2007 awarded to UCI Center for Hydrometeorology and Remote Sensing (CHRS) and NSF STC SAHRA (Sustainability of semi-Arid Hydrologic and Riparian Areas)

Member, International Academy of Astronautics (IAA), 2007

Fellow, Japan Society for the Promotion of Science (JSPS) Award, 2006, 1998, 1989

Robert E. Horton Memorial Lectureship, American Meteorological Society, 2006 - *"For significant contributions for estimating precipitation from space-based imagery and for application to semi-arid region hydrology and water resources management."*

NASA Distinguished Public Service Medal, 2005 - *"For your distinguished record in providing scientific leadership for global water cycle research and assuring that NASA science is well integrated into international programs"*

William Nordberg Memorial Lectureship, NASA Goddard Scientific Colloquium, 2004

Member, National Academy of Engineering (NAE), 2003 - *"For the development of flood forecasting models used worldwide in hydrologic services"*

Fellow, International Water Resources Association (IWRA), 2001

Group Honor Award for Excellence, U.S. Department of Agriculture, for *"leading a multi-agency effort to provide critical hydroecological information and new measurement for sustaining our precious semi-arid natural resources"*, 2001

Regents Professor, University of Arizona, 2000

Fellow, American Association for the Advancement of Science (AAAS), 1997

Fellow, American Meteorological Society (AMS), 1995

Fellow, American Geophysical Union (AGU), 1994 - *"For ingenious application of Stochastic methods in Hydrology that are of immense value in rainfall-runoff modeling and evaluating hydrologic response to climate change"*

Life Member, Phi Kappa Phi, 1988

Life Fellow, Indian Association of Hydrologists, Roorkee, India

HEARINGS AND TESTIMONIES

Testimony for the hearing before the National Ocean Policy Study of the Committee on Commerce, Science, and Transportation, U.S. Senate on: Authorizations for the National Oceanic and Atmospheric Administration's Atmospheric and Satellite Programs, Chaired by Senator Kerry of Massachusetts, May 19, 1987.

Testimony on the "Potential Impacts of the El Nino and the Implications for Water Management Decisions in the U.S. Southwest" to the Subcommittee on Water and Power of the U.S. House of Representatives Committee on Resources, Washington, D.C., October 30, 1997.

PROFESSIONAL ACTIVITIES

Professional Societies

American Association for the Advancement of Science (AAAS); American Geophysical Union (AGU); American Meteorological Society (AMS); American Society of Civil Engineers (ASCE); American Water Resources Association (AWRA), International Water Resources Association (IWRA), International Association of Hydrological Sciences (IAHS)

Editorial

1983-1988: Associate Editor, *Water Resources Research*

1988-1992: Editor, *Water Resources Research*

1993-2001: Editorial Board of *Iranian Journal of Water Resources Engineering*

1995-present: Member, Editorial Board, UNESCO International Hydrological Programme

1996-2001: Special Editor for Hydrology, *Bulletin of the American Meteorological Society*

1999-present: Editorial Board, *Scientia Iranica: International Journal of Science and Technology*

2000-present: Editorial Board, *Advances in Water Resources*, Elsevier Publishing Company

2002-present: Associate Editor, Climate Change of the Encyclopedia of Hydrological Sciences

2002-present: Editorial Board, *Computer-Aided Civil and Infrastructure Engineering*

2004-present: Associate Editor/Editorial Board, *International Journal of Ocean & Oceanography*

2007-present: Associate Editor, *Journal of Hydrology*

Committee and Panel Assignments

International

- 1981-1989: Member, Working Group of Water Resources of the International Federation of Automatic Control (IFAC)
- 1983-1987: Member, Hydrology 2000 Working Group, International Association of Hydrological Scientists (IAHS)
- 1991-1992: Member, Science Panel, GEWEX Continental-Scale International Project (GCIP), World Climate Research Programme
- 1992-1999: Member, Science Steering Committee, International Satellite Land Surface Climatology Program (ISLSCP)
- 1997-present: Director, World Laboratory Center in Hydrologic Sciences and Water Resources Engineering
- 1993-1999: Member, International Geosphere-Biosphere Programme (IGBP), Data Information System (DIS) Soils Working Group
- 1997-1999: Member, Global Energy and Water Cycle Experiment (GEWEX) Scientific Steering Group
- 1997-present: U.S. Member, World Meteorological Organization (WMO) Commission for Hydrology (CHy)
- 1997-present: Director, World Laboratory Center in Hydrologic Sciences and Water Resources Engineering
- 1999-Present: Chair, GEWEX Scientific Steering Group, WCRP Joint Scientific Committee
- 6/1999: Member, International Organizing Committee (IOC), Third International Scientific Conference on the Global Energy and Water Cycle EXperiment (GEWEX), Beijing, China, June 1999
- 2000-01: Member, Frontier Research System for Global Change (FRSGC) Panel, Tokyo, Japan
- 9/2001: Co-Chair, Organizing Committee, International Program Committee, 4th International Scientific Conference on the Global Energy and Water Cycle EXperiment (GEWEX), Paris, France, September 2001
- 2002-2007: Member, UNESCO Theme Advisory Board of the Sixth Phase of the International Hydrological Programme, Theme Area 1: Global Change and Water Resources
- 2002: Corresponding Member for Section 1, International Academy of Astronautics
- 2004-Present: Member, Executive Committee of G-WADI UNESCO
- 2005: General Chair, 5th International Scientific Conference on the Global Energy and Water Cycle (GEWEX), Irvine CA, June 20-24, 2005
- 2006-2008: Member, Scientific Committee of the Ettore Majorana Foundation and Centre for Scientific Culture (EMFCSC)
- 2005: Director of 2005 International Summer School on Atmospheric and Oceanic Sciences (ISSAOS), L'Aquila, Italy, August 29- September 2, 2005
- 2006-Present: Member, U.S. National Committee for the International Hydrological Programme (IHP-UNESCO)

National

American Geophysical Union (AGU)

- 1984-1987: Program Chair and Member of Program Committee for Fall Meetings, Hydrology Section
- 1984-2002: Member, Executive Committee, Hydrology Section
- 1994-1996: Chair, Langbein Lecture Selection Committee, Hydrology Section
- 1994-1996: Member, Publications Committee, Hydrology Section
- 1996-1997: Chair, Editorial Search Committee for *Reviews of Geophysics*
- 1996-1998: Chair, AGU Nominations Committee
- 1996-1998: Chair, Fellows Selection Committee, Hydrology Section
- 1996-1998: President-Elect, Hydrology Section
- 1998-2000: President, Hydrology Section
- 2001-2002: Chair, Union Committee to review Section Structure
- 2000-2001: Chair, Nomination Committee for Hydrology Section Officers
- 2002-2004: Member, Horton Medal Committee
- 2004-2008: Chair, Public Affairs Committee (COPA)

American Meteorological Society (AMS)

- 1988-1991: Member, Committee on Hydrology
- 1992-1995: Member, AMS Council

1997-1998: AMS Nominations Committee
1998-2002: Member, Planning Commission
1998-2002: Member, Committee to review *Bulletin of the American Meteorological Society (BAMS)*
2008-present Member, Awards Nominations Committee

Department of Agriculture (USDA)

2007 Member, FACA committee to review the CCSP SAP on Impacts of Climate Change on US Ecosystem Impacts

Department of Energy (U.S. DOE)

2006-2008 Vice Chairman, Climate Change Science Program Product Development Advisory Committee

Los Alamos National Laboratory (LANL)

2006-2011 Member, LANL Earth and Environmental Science (EES) Division Review Committee

National Academy of Engineering (NAE)

2004-2006 Liaison to the National Research Council (NRC) (for applied atmospheric sciences, space engineering, military [non-navel] engineering, acoustics, emerging technologies, and interdisciplinary areas)

2006-2009 Member, Special Fields and Interdisciplinary Engineering Peer Committee

The National Academies- National Research Council (NRC)

1990-1991: Member, Committee for the Restoration of Aquatic Ecosystems, Water Science and Technology Board (WSTB)
1991-1998: Member and Ex-Officio, Climate Research Committee (CRC), Board on Atmospheric Sciences and Climate (BASC)
1993-1994: Member, NRC Panel: Study on the Long-Term Retention of Selected Scientific and Technical Records of the Federal Government, Commission on Physical Sciences, Mathematics, and Applications
1992-1998: Member, NRC Committee on Geophysical and Environmental Data (CGED), Board on Earth Science and Resources (BESR)
1993-1999: Chair, GEWEX Panel, NRC Board on Atmospheric Sciences and Climate (BASC)
1996-1998: Ex-Officio Member, NRC Committee on Global Change Research (CGCR), Board on Sustainable Development
2000-2001 Member, NRC Committee to review NASA's Earth Science Enterprise (ESE) Research Strategy
2003-2005 Member, NRC Committee to Review the U.S. Army Corps of Engineers Upper Mississippi River-Illinois Waterway Restructured Feasibility Study.
2004-2006 Chair, Committee to Assess the National Weather Service Advanced Hydrologic Prediction Service Initiative (AHPS).
2005 Member, NRC Committee to Review GEWEX-Americas Prediction Project (GAPP)
2007-2012 Member, Beckman Center Advisory Board
2007-2009 Member, Space Studies Board
2007 Member, Water Science and Technology Board
2007 Chair, Panel to review the CCSP Draft Synthesis and Assessment Product 5.3
2007 Member, Panel on Strategies and Methods for Climate-Related Decision Support

National Atmospheric and Space Administration (NASA)

1990-1991: Member, Working Group of Electronically Scanned Thinned Array Radiometer (ESTAR) Science Team
1994-1997: Chair, Panel on Physical Climate and Hydrology
1994-1997: Member, Science Executive Committee (SEC), InterWorking Group (IWG) of Earth Observing System (EOS)
1994-1997: Member, User Working Group, Oak Ridge National Laboratory (ORNL) Data Acquisition and Archival Center (DAAC)
May 1999: Member, Visiting Review Committee, Earth Sciences Directorate, Goddard Space Flight Center, Greenbelt, MD

- 1999-2005: Member, Earth Sciences Data and Information Systems and Services Advisory Subcommittee (ESDISSAS)
2003: Member, GeoDESIC (Geophysical Data Exploration for Seasonal to Interannual Climate) Advisory Board, NASA REASoN CAN Proposal

National Oceanic and Atmospheric Administration (NOAA)

- 1993-2003: Member, Data Management Advisory Panel NRC
1996: Co-leader, National Weather Service (NWS) Disaster Survey Team for the Northeast Flood of January 1996
1997-1998: Member, Search Committee for Director of the National Weather Service
1998-2002: Member, Science Advisory Board (SAB)
1998-2002: Chair, Science Advisory Board Subcommittee for Data Systems
2000-2005: Member, Committee on Climate and Global Change (CGC)
2000-2001: Member, Panel on Strategies for Climate Monitoring
2002-2005: Member, Council on Long-Term Climate Monitoring (CLTCM)
2002-present: Emeritus Member, NOAA Science Advisory Board

National Water Research Institute (NWRI)

- 2004-2007 Member, Research Advisory Board (RAB)

Pacific Northwest Hydrologic Observatory (PNWHO)

- 2005-Present: Member, Science Advisory Board

American Water Resources Association (AWRA)

- 1986-1987: Chair, Statistics and Modeling Committee
8/93: Technical Co-Chair, 29th Annual AWRA Conference, “Ground Water Resources Planning” Tucson, Arizona

University Corporation for Atmospheric Research (UCAR)

- 1999: Member, Advisory Panel, UCAR National Centers for Environmental Prediction (NCEP)
2001-2006: Member, Board of Institutional Trustees
2002-2007: Chair, UCAR Personnel Committee

University Council on Water Resources (UCOWR)

- 1987-1990: University of Arizona Delegate

Universities Space Research Association (USRA)

- 10/98-9/99: Member, Advisory Committee for the 1999 Graduate Summer Student Program in Earth System Science, Goddard Visiting Scientist Program
1996-2002: Member, Science Council for Earth Sciences

Other Review Boards and Committees

- 1994: National Forum on Environment and Natural Resources (RND), Washington, D.C., Mar. 28-30
1992-1995: Member, Advisory Committee, Terrestrial Ecosystems Regional Research and Analysis (TERRA) Laboratory
1993: Member, Jet Propulsion Laboratory Earth Probe, Pasadena, California
1994: Committee for Review of the Research and Development Strategy for the U.S. Global Change Research Program (USGCRP), Sponsored by the NRC Board on Global Change
1994: Member, Interagency Working Group of Regional Assessment of Freshwater Ecosystems and Global Change in North America

1995-present: Member, Committee on the Encyclopedia of Life Support Systems (EOLSS)
 1997-present: Chair, Scripps Experimental Climate Prediction Center (ECPC) Advisory Committee
 2002-2003: Member, Stormwater Advisory Committee of City of Tucson
 2002-Present: Member, External Advisory Committee of Cooperative Remote-sensing Science and Technology Center (CREST)
 2003-Present: Member, Executive Committee of NSF-STC Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA)
 2005-present Member, Advisory Board on watershed preservation issues, USC Center for Sustainable Cities Program
 2006 Member, Project Advisory Board (PAB), NSF EPSCoR Idaho

External Examining and Assessment

1992: Member, *Review Panel*, Lawrence Berkeley Laboratory Earth Sciences Program
 1994: Member, *Review Panel*, Office of Research and Development, Global Change Research Program, “Biosphere Interactions Modeling of the U.S. Environmental Protection Agency at ERL-C”, Corvallis, Oregon
 1997-present Chair, *Advisory Panel*, Experimental Climate Prediction Center (ECPC), Scripps Institute, San Diego, CA
 1999: Member, *Review Panel*, Pacific Northwest National Laboratory (PNNL) Global Change Program Los Alamos Review
 2005 Member, *Advisory Panel*, GPM-GV Global Precipitation Measurement-Ground Validation, NASA GSFC, Greenbelt, MD
 2005 Chair, *Review Panel*, International Research Institute (IRI), Columbia University
 2005 Member, *science review panel*, CICS, U of Maryland, College Park Campus
 2006 Member, *Review Panel*, Pacific Northwest National Laboratory (PNNL) Global Change Program Los Alamos Review
 2007 Member, evaluation committee Frontier Research Center for Global Change (FRCGC), Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
 2007 Member, Review Panel, NSF Vermont EPSCoR, Burlington, VA
 2007 Member, Review Panel of Yucca Mt. Infiltration Model
 2008 Member, evaluation committee Institute of Observational Research for Global Change (IORGC), Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

External Reviewer University Programs

1994: University of Oklahoma, Hydrology Program, Norman, OK, Sept. 19-21
 1998 University of Nevada, Las Vegas (UNLV), Water Resources Management (WRM) Graduate Program
 2003 Georgia Tech, School of Earth and Atmospheric Sciences
 2004 University of Washington, Dept of Civil and Environmental Engineering
 2005 University of Texas at Austin, Dept. of Geological Sciences

University of California, Irvine (Current and Other Important Committees)

2003-present Member, Urban Water Research Center Review Board
 2005-2008 Academic Senate Graduate Council
 2005-2006 Chair, faculty of the Henry Samueli School of Engineering; Divisional Senate Assembly representative
 2005-present Member, CalIT(2) Division Council
 2005 Chair, Search Committee - Director for the Urban Water Research Center
 2005-2006 Chair, Search Committee Vice Chancellor for Research and Graduate Studies
 2005-present Member, Faculty and Lecturer/TA Teaching Quality committees, CEE Dept.
 2005-present Member, Graduate Affairs committee, CEE Dept.
 2003-present Member, local organizing committees for conferences and meetings as well as other college/department committees.
 2007-present Member, Vice Chancellor for Research Advisory Committee
 2007-present Member, Academic Senate Subcommittee on International Education (SCIE)
 2007-present Member, Distinctions Committee

University of Arizona Committees

1986-1988:	Chair, University Committee on Research Computing
1986-1987:	Committee for Computational Sciences
1987-1988:	Chair, University Review Committee for Systems and Industrial Engineering Department
1987-1988:	Water Resources Policy Planning Committee
1988-2004:	Committee on Remote Sensing
1988-1993:	Coordinating Committee on Global Change
1989-1999:	Vice-President for Research Advisory Committee
1990-1991:	Advisory Committee on International Programs
1991-1993:	Chair, Computer Committee of College of Engineering and Mines
1992-1993:	Chair, Coordinating Committee on Global Change
1992-1993:	Member, Dean's Review Committee, College of Engineering and Mines
1993-Present:	Member, International Alumni Advisory Board
1994:	Chair, Search Committee for Head of Civil Engineering and Engineering Mechanics Dept.
1994:	Member, Search Committee for Head of Geosciences Dept.
1994:	Member, Sunset Review Committee for SERC
1997:	Chair, Search Committee for Head of Dept. of Civil Engineering
1997-1998:	Acting Chair, Remote Sensing Committee
1997-1998:	Member, Search Committee for Dean of College of Engineering and Mines
1998:	Member, Search Committee for Vice-President for Advancement
1998-2001:	Member, Strategic Planning and Budget Advisory Committee (SPBAC)
1998-1999:	Chair, NCA Self-Study Working Team 4
1999:	Chair, SERC Review
1999:	Member, Udall Center for Public Policy Faculty Advisory Committee
1999-2002:	Member, Governing Board for Center for Middle Eastern Studies
2000-2001:	Member, Prop 301 Steering Committee on Water
2000-2001:	Chair, Surface Water Position Search Committee
2000-2001:	Member, Atmospheric Sciences Position Search Committee
2001-2002:	Member, Kisiel Lecture Committee
2001:	Member, Academic Program Review Committee for Dept. of Geosciences
2002:	Member, Technology and Research Initiative Fund (TRIF) Water Advisory Committee

PUBLICATIONS

For detailed information see Publications list

INVITED PRESENTATIONS (After July 2003)

Educational, governmental institutions (or similar organizations)

Sorooshian, S., "World Laboratory Postdoctoral Scholarships in the Hydrological Sciences and Water Resources Engineering: Progress Report," World Laboratory Centre, Tucson, AZ, 2003

Sorooshian, S., "A summary of GEWEX Phase-II status," GAPP-PI Meeting, Seattle, WA, July 21-24, 2003

Sorooshian, S., "The Future of Hydrologic Services: An Academic's perspective", NWS Corporate Board Meeting Washington, D.C. August 26, 2003

Sorooshian S., "Role of Advanced Observational and Information Technologies for Addressing Global Change Water Issues", RICE-FotoFest '04: Global Forum on Water, Houston, TX., April 1-4, 2004

Sorooshian, S., "A Brief Review of Research and Educational Goals," UCI CEE Affiliate Meeting, April 7, 2004

Sorooshian, S., "Issues and opportunities in Hydrologic sciences and water resources Engineering" UCI Engr 1: Career Opportunities for Scientists and Engineers, " University of California, Irvine, Irvine, CA, April 12, 2004

Sorooshian, S., "GEWEX Future Research Direction," NOAA-GAPP PIs meeting, Boulder, CO., August. 30-31, 2004

Sorooshian, S., "Is there Another 500-year Drought in the Future for the West?" Kern County Water Authority, Bakersfield, CA, February 11, 2005

Sorooshian, S., "Recent Developments in Meeting Hydrologic Requirements for Meteorologic Information", UCLA Atmospheric and Oceanic Dept. Seminar, Los Angeles, CA, February 16, 2005

Sorooshian, S., Panel Discussion "Water: How to go about Beating the Drought!", Information Management Network's 3rd Annual California Municipal Finance Conference, San Francisco, CA, February 17-18, 2005

Sorooshian, S., CEMAGREF, "Precipitation estimation from Satellite observations- The PERSIANN system", Paris, France, April 21, 2005

(Speaker and panel member) Sorooshian, S., "International Hydroclimatology Research Programs: Learning from Historical Information and Improving Future Predictions at the Continental Scales," National Research Council workshop, Iran, May 14-19, 2005

Sorooshian, S., US House seminar "Southwest Water", Washington, D.C., May 24, 2005

Sorooshian, S., "Rainfall estimation from satellite data for hydrological applications," Rainfall-runoff Modeling Seminar, Oregon State University, Corvallis, OR, June 8, 2005

Director and Speaker, Sorooshian, S., "Review of Parameterization and Parameter Estimation for Hydrologic models," International Summer School on Atmospheric and Oceanic Sciences, L'Aquila, Italy, August 29-September 2, 2005

Sorooshian S., "Parameterization of Land-surface models Using Remote Sensing and Multi-Criteria Optimization Methods", Dickinson Symposium, Georgia Tech, Atlanta, GA, October 17-18, 2005

Sorooshian, S., "Global Warming and the Prospect of a Continuing Drought in the West", Southern California Water Committee 20th Annual Meeting, Los Angeles, CA October 28, 2004

(Keynote Speaker) Sorooshian, S., "Water Distribution and Availability", William Nordberg Memorial Lecture, Goddard, Scientific Colloquium, Washington, D.C., November 19, 2004

Sorooshian, S., "Is there Another 500-year Drought in the Future for the West?" Kern County Water Authority, Bakersfield, CA, February 11, 2005

Sorooshian, S., Panel Discussion "Water: How to go about Beating the Drought!", Information Management Network's 3rd Annual California Municipal Finance Conference, San Francisco, CA, February 17-18, 2005

(Keynote Speaker) Sorooshian, S., "Role of Advanced Observational and Information Technologies for Addressing Hydrometeorologic Issues," Bureau of Meteorology Research Centre Workshop, Melbourne, Australia, October 3-4, 2005

Sorooshian S., "Parameterization of Land-surface models Using Remote Sensing and Multi-Criteria Optimization Methods", Dickinson Symposium, Georgia Tech, Atlanta, GA, October 17-18, 2005

Sorooshian S., "Role of TRMM and GPM in GEWEX and WCRP", Precipitation Measurement Mission (PMM) 2005 Science Team Meeting, Monterey, CA, Dec. 12-15, 2005

Sorooshian, S. "Evolution of hydrometeorologic Forecasting: How much progress have we made? ", Frontiers of Geosciences colloquium, LANL, Las Alamos, NM, April 10, 2006

(Keynote Speaker) Sorooshian, S, 2nd WWRP Symposium on QPF and Hydrology, Boulder, CO, June 7, 2006

(Keynote Speaker) Sorooshian, S., "The Full Water Cycle: Climate Change and Water Dynamics", Conference on Climate Change and Water in the Prairies, University of Saskatchewan, Saskatoon, SK, June 21-23, 2006

Sorooshian, S. , "Coupling of Hydrometeorology, Water Cycle Dynamics and Climate Change: How much Progress have we made?" Seminar, Arizona State University, Tempe, AZ, August 23, 2006

Sorooshian, S., "Recent developments in hydrometeorologic information for hydrologic and water resources applications", Seminar, University of Southern California (USC), Los Angeles, CA, Sept. 20, 2006

Sorooshian, S., "The Influence of Climate Change on Southern California's Water Supply", UCI CEE Affiliates meeting, Irvine, CA June 14, 2007

Sorooshian, S., "Communicating the current state of understanding of Climate and Water Resources issues: from professionals to the general public", Seminar Indiana University at Bloomington, Indiana October 25-26, 2007

Sorooshian, S. "Progress towards improved river flow and flood forecasting", Seminar, University of California, Irvine, October 31, 2007.

Sorooshian, S. , Texas A&M University, Texas, March 19, 2008

Invited presentations at professional meetings (after 2003)

Sorooshian, S., "A summary of GEWEX Phase-II status," GAPP-PI Meeting, Seattle, WA, July 21-24, 2003

Sorooshian, S., "Global Water Resources Issues: The Role of Desalination in a Sustainable Water Supply," Straw Bale Forum, Hat Ranch, Williams, AZ, July 31-August 3, 2003

Sorooshian, S., "The Future of Hydrologic Services: An Academic's perspective", NWS Corporate Board Meeting Washington, D.C. August 26, 2003

Sorooshian, S., "GEWEX Report to GHP," 9th session of the GEWEX Hydrometeorology Panel (GHP), GKSS, Geesthacht, Germany, Sept.22-26, 2003

WCRP Officers, Chairs, and Directors Meeting, WMO, Geneva, Switzerland, January 21-23, 2004

Sorooshian, S., "Report to GEWEX SSG XVI," Marrakech, Morocco, Jan. 26-30 2004

Sorooshian, S., "GEWEX Report to JSC," XXV-WCRP, Moscow, Russia, Mar. 1-6 2004

Sorooshian S., Workshop on the Hydrological Ensemble Prediction Experiment (HEPEX), Reading, UK, March 8, 2004

Sorooshian, S., "The Global Energy and Water Cycle Experiment (GEWEX) contributions to climate research", presentation, CLIVAR Annual Conference, Baltimore, MD, June 21-25, 2004.

Sorooshian, S., "The future of GEWEX and Water Cycle Activities beyond 2012," GEWEX Executive Meeting, Washington, DC, July 20-22, 2004.

Sorooshian, S., "Hydrologic Cycle and It's Connection to Climate: New Tools, Recent Understandings," Straw Bale Forum, Hat Ranch, Williams, AZ, July 29-31, 2004

Sorooshian, S. "Error Analysis of High Resolution Satellite Precipitation Estimates," 8th International Conference on Precipitation, Vancouver, CA, , August 8-11, 2004.

Sorooshian, S , "Overview of the Status of the Water Situation Worldwide and the Latest Climate Events of Droughts and Floods," 32nd Session of the International Seminars on Planetary Emergencies of the ICSC-World Laboratory, Erice, Italy, August 18-24, 2004

Sorooshian, S., "Drought in the West," California Urban Water Conference, San Diego, CA, August 25-27, 2004.

(Session organizer and speaker) Sorooshian, S., "The Role of International Water Cycle Research Programs in Developing Integrated Water Resources Management Strategies," American Institute of Hydrology International Conference, October 17-21, 2004, Las Vegas, NV

Sorooshian, S., "Global Precipitation Observation from Satellite Image Using Artificial Neural Networks," American Meteorological Society meeting, San Diego, January 9-13, 2005

Sorooshian, S., GEWEX Report to JSC, XXVI-WCRP, Guayaquil, Ecuador, March 14-18, 2005

Sorooshian, GEWEX Hydrology Panel meeting, Melbourne, Australia, September 26-30, 2005

Sorooshian, S., Pontifical Academy of Sciences Working Group, "Water Distribution and availability: An Overview of the Hydrologic Cycle, Its Connection to Climate and Impact on Water Resources Management Strategies," Vatican City, Italy, November 12-15, 2005

(Keynote Speaker) Sorooshian, S, "The Interplay Between Water Resources Management and Hydroclimate Variability in the Semi-Arid Southwest U.S.," Horton Lecture, American Meteorological Society (AMS), Atlanta, GA, January 29-February 2, 2006

Sorooshian, S. CLIVAR-SSG meeting, Buenos Aires, AR, April 19-23, 2006

(Keynote Speaker) Sorooshian, S., "Will QPF make a marked improvement in flood forecasting?", WWRP QPF/Hydro Symposium, Boulder CO, June 5-9, 2006

(Keynote Speaker) Sorooshian, S., "Climate Change and Water in the Prairies", Conference, University of Saskatchewan, Saskatoon, SK, June 21-23, 2006

Sorooshian, S. "Our Changing Planet: Water, Earth, Wind and Fire," California Zoroastrian Center conference, Los Angeles, CA, July 9, 2006.

Sorooshian, S., "Status of the Water Resources Worldwide and Recent Developments in Hydrometeorologic Forecasting", Western Pacific Geophysics Meeting (WPGM), Beijing, China, July 24-27, 2006

Sorooshian, S., "GEWEX", NOAA CPPA PI meeting, Tucson, AZ, August 14-16, 2006

Sorooshian, S. Special Lecture, JSPS (Japan Society for the Promotion of Science) Fellows program, "Overview of the Status of the Water Situation: Droughts and Floods", Niigata University Institute of Science and Technology, Japan, September 3-15, 2006

Sorooshian, S., "Past Successes and Future Challenges in Addressing the Global Energy and Water Cycle Questions," Earth System Science Partnership (ESSP) Open Science Conference, Beijing, China, November 9-12, 2006.

Sorooshian, S. "Flood aggregation modeling," GM Global conference, Norwood, MA, November 17, 2006

Sorooshian, S. "Progress towards hydrometeorological forecasting," Eugene Rasmusson Symposium, American Meteorological Society 87th Annual Meeting, January 14-18, 2007

(Keynote Speaker) Sorooshian, S., "Integration of Hydrometeorological and Climate information in Water Resources Operation and Management: How much progress has been made?" International Conference on Water Resources Management in the Islamic Countries, RCUWM, Tehran - Iran, 19 - 20 February 2007

Sorooshian, S., "Hydrometeorologic Forecasting: How much Progress to date and what strategy to follow into the future?" International Symposium, Hydrology delivering Earth System Science to Society (HESSS), Tsukuba, Ibaraki, Japan, Feb. 28 -March 2, 2007.

Sorooshian, S., "Hydrometeorological Prediction requirements", Workshop on Satellite Observations of the Global Water Cycle (SOGWC), Irvine, CA, March 7-9, 2007

Sorooshian, S. "Drought in the Southwest", 14th Annual Conference, Urban Water Institute, Del Mar California, August 24, 2007

Sorooshian S., "Role of advanced Observational and Information Technologies for Addressing Global water issues", Seminar Northrop Grumman September 12, 2007, Los Angeles, California, September 12, 2007

Sorooshian, S. OC Water District, Orange, CA January 11, 2008

Sorooshian, S. "Climate change and the global water cycle: Latest news from earth and space," Rotary Club, Westlake, CA, January 10, 2008

Sorooshian S., "Critical Downstream Issues--Water and Waste", Yuma Pacific (YPSW) meeting, Irvine, CA, January 23-25, 2008

Sorooshian, S., "How predictable is the Climate system: Droughts, Floods, and Extreme events", Inside Edge, Irvine, CA, February 20, 2008

CONFERENCES AND SYMPOSIA ACTIVITIES (after 2003)

Co-Chair Session with Christine A. Shoemaker, AGU Fall Meeting, San Francisco, December 2003

WCRP Officers, Chairs, and Directors Meeting, WMO, Geneva, Switzerland, January 21-23, 2004

Co-host, CEOP Model Output Development and Analysis Workshop, Irvine, CA, March 8-9, 2004

Co-Host, Third CEOP Implementation Planning Meeting, University of California, Irvine, Irvine, CA March 8-12 2004

Co-Organizer, 8th International Conference on Precipitation, Vancouver, CA, August 8-11, 2004.

Organizer, session, American Institute of Hydrology International Conference, Las Vegas, NV, October 17-21, 2004

General Chair, GEWEX-SSG meeting, Kunming, China, January 31-February 4, 2005

Co-Organizer and Keynote Speaker, International G-WADI Modeling Workshop & Regional Meeting, Roorkee, India, February 28-March 5, 2005

Co-Organizer, WCRP-UNESCO Modeling Workshop, Cairo, Egypt, April 18-21, 2005

(Invited panel member) Sorooshian, S., National Academy of Sciences workshop and site visit, Iran, May 14-19, 2005

Co-Organizer, pan-WCRP Monsoon Meeting, Irvine, CA, June 15-17, 2005

General Chair, 5th International Scientific Conference on the Global Energy and Water Cycle (GEWEX), Irvine CA, June 20-24, 2005

S. Sorooshian, Director, Erika Coppola and Kuo-lin Hsu, Co-Directors, International Summer School on Atmospheric and Oceanic Sciences, L'Aquila, Italy, August 29- September 2, 2005

Co-Chair, with Jasper A. Vrugt, 2 Hydrology Sessions AGU Fall Meeting, San Francisco, December 2005

Session Co-Convener, with Dr. Rick Lawford, IGPO, and Dr. Rucong Yu, Chinese Meteorological Agency, "The Earth's Energy and Water Cycle," Western Pacific Geophysics Meeting (WGPM), Beijing, China, July 24-27, 2006

Session Convener, "Artificial Intelligence Methods in Water Resources Systems", Western Pacific Geophysics Meeting, Beijing (WPGM), China, July 24-27, 2006

(Invited) Member of the Committee (IPC), IASTED International Conference on Environmentally Sound Technology in Water Resources Management (ESTW 2006), Gaborone, Botswana, September 11-13, 2006.

General Chair, GEWEX-SSG meeting, Honolulu, Hawaii, January 22-26, 2007

Session Co-Convener "Prediction Challenges", Workshop on Satellite Observations of the Global Water Cycle, UCI, Caltech/JPL, UC IGPP, Irvine, CA, March 7-9, 2007

(Invited) Member of the Conference Committee, 2nd International Conference of GIS/RS in Hydrology, Water Resources and Environment (ICGRHWE'06) and the 2nd International Symposium on Flood Forecasting and Management with GIS and Remote Sensing (FM2S'06), Guangzhou and Three Gorges, China, September 17-23, 2007

(Invited) Convener, Session "Environmental Hydraulics and Sustainability Issues", International Symposium on Environmental Hydraulics and Sustainability (ISEH V), Tempe, AZ, December 4-7, 2007

RESEARCH SUPPORT

Principal investigator and co-principal investigator on over \$40 million by various agencies, such as NSF, NOAA, NASA, DOE, DOD, etc.

CONSULTING ACTIVITIES

I have served as a consultant for several government, private consulting companies and water and energy utility industries.

POST-DOCTORAL SCHOLARS AND RESEARCHERS SPONSERED

Bastidas, Luis; Cheng, Jiantao; Gao, Xiaogang; Gupta, Hoshin; Hartman, Holly; Hong, Yang; Hsu, Kuo-lin; Imam, Bisher; Li, Jialun; Mahani, Shayesteh E.; Moradkhani, Hamid; Morin, Efrat; Park, Gi-hyeon; Wagener, Thorsten; Xu, Jianjun

TEACHING EXPERIENCE

Undergraduate Courses (Institutions)

- Patterns of Problem Solving and Decision-Making (UCLA)
- Introduction to Civil Engineering (CWRU)
- Systems Simulation (CWRU)
- Introduction to Hydrology (CWRU)
- Senior Project (CWRU)
- Principles of Hydrology (UA)
- Surface Hydrology (UA)
- Surface Water Hydrology (UCI)

Graduate Courses (Institutions)

- Introduction to Optimization (CWRU)
- Water Quality Modeling (CWRU)
- Legal, Economic, and Social Aspects of Resources Management (CWRU)
- Analysis of Decision Processes with Applications (CWRU)
- Special topic course on "Linear and Nonlinear Parameter Estimation" (CWRU)
- Water Quality Modeling (UA)
- Water Quality Management (UA)
- Analysis of Hydrologic Systems (UA)
- Theory of Linear Systems (UA)
- Special Seminar on Modeling and Estimation Theory (UA)
- Special Topics in Civil Engineering (UCI)
- Surface Water Hydrology (UCI)
- Analysis of Hydrologic Systems (UCI)
- Ph.D. Dissertation Research (UCI)

Advisees

Total Number of Graduate Students Advised: 70

Total Number of Postdoctoral Scholars & Researchers Sponsored: 15

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