

CURRICULUM VITAE

Soroosh Sorooshian, Ph.D., N.A.E., Distinguished Professor
Henry Samueli Chair in Engineering
Dept. of Civil and Environmental Engineering and Dept. of Earth System Science
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ORCID <https://orcid.org/0000-0001-7774-5113>
Researcher ID: B-3753-2008 <http://www.researcherid.com/rid/B-3753-2008>
Google Scholar <https://scholar.google.com/citations?user=G1FxEFIAAAAJ&hl=en>

EDUCATION

Ph.D.	Engineering (Water Resources and Hydrologic Systems Analysis), UCLA, 1978 Dissertation: "Considerations of Stochastic Properties in Parameter Estimation of Hydrologic Rainfall-Runoff Models," 248 p., Director: John A. Dracup
Engineer Degree	Systems Engineering, UCLA, 1977
M.S.	Operations Research, UCLA, 1973
B.S.	Mechanical Engineering (highest honor), California Polytechnic State University (Cal Poly), San Luis Obispo, California, 1971

EXPERIENCE

	<u>University of California at Irvine, Irvine, California</u>
2003-present	Distinguished Professor Depts. of Civil & Environmental Engineering and Earth System Science
2003-present	Director, Center for Hydrometeorology & Remote Sensing (CHRS), Dept. of Civil & Environmental Engineering, The Henry Samueli School of Engineering URL: https://chrs.web.uci.edu/
2003-2007	Director, World Lab Center for Hydrometeorology and Water Resources Engineering
2018-Present	Foreign Expert, 111 program "project: Evolution Mechanism of Hydrology and Water Resources and Adaptation Strategies in a Changing Environment", Wuhan University, China
2023-Present	Honorary Professorship, Hainan University, China
2024-2027	Distinguished Visiting Professor, Department of Hydraulic Engineering, Tsinghua University
	<u>University of Arizona, Tucson, Arizona</u>
2004-present	Adjunct Professor, Dept. of Hydrology and Water Resources
2000-8/2003	Founding Director, NSF Science and Technology Center on "Sustainability of semi-Arid Hydrology and Riparian Areas" (SAHRA)
8/96-2004	Professor and Regents Professor (Since 2000), Dept. of Hydrology and Water Resources
8/89-8/96	Department Head and Professor, Dept. of Hydrology and Water Resources; Professor, Dept. of Systems and Industrial Engineering
8/87-8/89	Professor of Hydrology and Water Resources and Systems and Industrial Engineering
1/83-7/87	Associate Professor of Hydrology and Water Resources
	<u>Case Western Reserve University, Cleveland, Ohio</u>
7/78-12/82	Assistant Professor of Systems Engineering and Civil Engineering

AREAS OF RESEARCH INTEREST

Surface hydrology, hydroclimate modeling, application of remote sensing in hydrology, rainfall-runoff modeling, flood forecasting and control, identification and stochastic parameter estimation, watershed management, system simulation and analysis, operations research, decision analysis

ACADEMY MEMERSHIPS

- U.S. National Academy of Engineering (NAE) – **Member**, 2003 – *“For the development of flood forecasting models used worldwide in hydrologic services”*
- International Academy of Astronautics (IAA) - **Member**, 2007
- The World Academy of Sciences (TWAS) *for the advancement of science in developing countries*, **Fellow**, 2010
- European Academy of Sciences, Earth and Environmental Sciences Division (EurASc) – **Fellow**, 2023
- Chinese Academy of Sciences (CAS) **Foreign Member**, 2023

PROFESSIONAL SOCIETY FELLOWSHIPS AND MEMBERSHIPS

- Fellow, International Union of Geodesy and Geophysics (IUGG), 2019 *“for his exceptional contributions and international cooperation leadership in hydrologic sciences from basic, to applied research and to operational use worldwide.”*
- Fellow, American Association for the Advancement of Science (AAAS), 1997 *“For Research in the Hydrologic Sciences, Particularly for the Development of Optimization Schemes Used in Calibration of Highly Non-Linear, Multi-Parameter Rainfall Runoff Models”*
- Fellow, American Meteorological Society (AMS), 1995
- Fellow, International Water Resources Association (IWRA), 2001
- 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, American Society of Civil Engineers (ASCE) (2013 M.ASCE) (member since 1979)
- Life Member, Phi Kappa Phi, 1988
- Life Fellow, Indian Association of Hydrologists, Roorkee, India
- Member, American Water Resources Association (AWRA)
- Member, International Association of Hydrological Sciences (IAHS)

TEACHING AWARDS AND RECOGNITIONS

- Engineering Student Council (ESC) UCI Civil & Environmental Engineering Professor of the Year, 2010-2011
- Orange County Engineering Council (OCEC) Distinguished Engineering Educator Award (2009)
- Outstanding Professor, Henry Samueli School of Engineering (selected by Anthology and the Senior Class of 2009)
- American Society of Civil Engineers (ASCE) Orange County Branch 2007-2008 Distinguished Engineering Educator

OTHER HONORS AND AWARDS

- William Bowie Medal, American Geophysical Union (AGU), 2025
- Walter Langbein Lectureship, American Geophysical Union (AGU), 2024
- Distinguished Visiting Professor, Tsinghua University, China 2024-2027
- Doctor Honoris Causa, Universite de Montpellier 2023
- Honorary Professorship, Hainan University, China, 2023
- Hagler Fellow, University of Texas College Park TX, 2023
- American Society of Civil Engineers -Environmental & Water Resources Institute (ASCE-EWRI) Seminal Paper 2023 Award for Seminal Paper “Status of Automatic Calibration for Hydrologic Models: Comparison with Multilevel Expert Calibration,” *Journal of Hydrologic Engineering*, Volume 4, Issue 2, 1999.
- Honorary Member, American Meteorological Society (AMS), 2022
- Hydrological Sciences Medalist, American Meteorological Society (AMS), 2021 – *“For ingenious, groundbreaking work on surface hydrology and the remote sensing of precipitation that has profoundly impacted the field of hydrometeorology”*
- American Geophysical Union Hydrology Days Award, Colorado State University, April 2020
- Soroosh Sorooshian Symposium, 12th International Precipitation Conference (IPC12), The Beckman Center of the National Academies, Irvine, CA USA June 2019
- Lifetime Achievement Award, Institute of Electrical and Electronics Engineers (IEEE) Systems, Man, and Cybernetics (SMC) Society 2018
- Ven Te Chow Award, 2017 American Society of Civil Engineers (ASCE) – *“For his pioneering contributions to hydrologic science and water resources systems engineering, including hydrometeorology, hydroclimate studies and application of remote sensing with special focus on the hydrologic cycle and water resources issues.”*
- Chinese Academy of Sciences (CAS) Einstein Professor award, 2014
- Robert E Horton Medalist, American Geophysical Union (AGU), 2013
- UCLA CEE Distinguished Alumnus of the Year Award 2013
- American Society of Civil Engineers (ASCE) Life Member Award 2013 (M.ASCE)

Eagleson lectureship, Consortium of Universities for the Advancement of Hydrologic Science (CUAHSI), 2012
4th Prince Sultan Bin Abdulaziz International Prize for Water, Resources Management & Protection Branch
category award – “for his work in developing the PERSIANN model to estimate global precipitation for satellite
data” (2010)

Honorary professorship, Beijing Normal University 2010

Walter Orr Roberts Lecturer in Interdisciplinary Sciences Award, American Meteorological Society, 2009 – “For
bridging the interdisciplinary gap between hydrology, meteorology, and remote sensing.”

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) “The prize is
presented for “remarkable scientific research and scientific studies and discoveries in the field of exploration of
groundwater and surface water usage in arid zones subject to drought and desertification and contributing to
environmental and human development.”

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.”

Recipient, 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

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

Regents Professor, University of Arizona, 2000

Fellow, Udall Center for Studies in Public Policy, University of Arizona, Tucson, AZ 1993

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, <i>Water Resources Research</i>
1988-1992:	Editor, <i>Water Resources Research</i>
1993-2001:	Editorial Board of <i>Iranian Journal of Water Resources Engineering</i>
1995-2005:	Member, Editorial Board, UNESCO International Hydrological Programme
1996-2001:	Special Editor for Hydrology, <i>Bulletin of the American Meteorological Society</i>
2002-2005:	Associate Editor, Climate Change of the Encyclopedia of Hydrological Sciences
1999-2020:	Editorial Board, <i>Scientia Iranica: International Journal of Science and Technology</i>
2000-2013:	Editorial Board, <i>Advances in Water Resources</i> , Elsevier Publishing Company
2002-2020:	Editorial Board, <i>Computer-Aided Civil and Infrastructure Engineering</i>
2004-2015:	Associate Editor/Editorial Board, <i>International Journal of Ocean & Oceanography</i>
2007-2013:	Associate Editor, <i>Journal of Hydrology</i>
2008-2021:	Member, Editorial Advisory Board <i>IEEE Systems Journal</i>

2009-2015	Member, Editorial Board, <i>Iranian Journal of Science and Technology</i> (IJST)
2020-2024:	Member, Editorial Board, <i>Geography and Sustainability</i>
2015-2021	Member, Editorial Board <i>Remote Sensing</i>
2022-2024:	Member, Editorial Board, <i>Scientific Data</i>

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)
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
1997-2008:	Director, World Laboratory Center in Hydrologic Sciences and Water Resources Engineering
1999-2008:	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, 4 th 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
2005	General Chair, 5th International Scientific Conference on the Global Energy and Water Cycle (GEWEX), Irvine CA, June 20-24, 2005
2006-2011	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
1997-2018:	U.S. Member, World Meteorological Organization (WMO) Commission for Hydrology (CHy)
2004-Present:	Member, Executive Committee of G-WADI UNESCO
2006-Present:	Member, U.S. National Committee for the International Hydrological Programme (IHP-UNESCO)
2009-2013	NERC United Kingdom Changing Water Cycle Programme Advisory Group (NERC-UK)
2010-2014	World Climate Research Programme Drought Interest Group (WCRP-DIG)
2013-2018	Member, Joint Scientific Committee (JSC) of the World Climate Research Programme (WCRP)
2013-2021	Member, Independent Expert Committee (IEC) in the field of Engineering, The World Academy of Sciences (TWAS)
2013-2015	Member, Expert Review Panel Water and Green Growth (WGG) joint research Project by the Ministry of Land, Infrastructure and Transport of the Republic of Korea (MOLIT), the Korea Water Resources Corporation (K-water), and the World Water Council (WWC)
2016-Present	Chair- Rosenberg International Forum on Water Policy, University of California, Division of Agriculture and Natural Resources http://ciwr.ucanr.edu/Programs/rosenberg/2018
2018-2027	Foreign Expert, 111 program “Project: Evolution Mechanism of Hydrology and Water Resources and Adaptation Strategies in a Changing Environment”, Wuhan University, China
2018-Present	Member international advisory committee, Chinese Academy of Sciences “Big Earth Data” Strategic Priority Research Program
2018-Present	Member Steering Committee, International Geographical Union (IGU) Commission: Geography for Future Earth: Coupled Human-Earth Systems for Sustainability
2018	Member Selection Committee, the World Academy of Sciences (TWAS) Lenovo Science Prize
2018-Present	Foreign Expert, 111 program “project: Evolution Mechanism of Hydrology and Water Resources and Adaptation Strategies in a Changing Environment”, Wuhan University, China

2024 Member, TWAS Independent Expert Committee (IEC)
2024 International Association for Trans-Himalaya Earth System Science (ATH)

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)
2015-2018: Member, Board of Directors

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)*
2008-2012: Member, Awards Nominations Committee
2020-2023: Member, Hydrologic Research Awards committee, AMS; Chair elect (2021); Chair (2022) (thru 1jan2023)

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)

2006-2010 Chairman, Climate Change Science Program Product Development Advisory Committee

Jet Propulsion Laboratory (JPL)

2012-Present Member, Advisory Board, JPL Climate Center

Los Alamos National Laboratory (LANL)

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

The National Academies

2016-2018 Member, Steering Committee, decadal survey for Earth Science and Applications from Space (ESAS2017), National Academy of Sciences (NAS)

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
2012-2018 Member, Beckman Center Advisory Board
2015-2016 Chair, NAE Section 12
2020 Member, Nomination 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)

2007-2018: Member, Beckman Center Advisory Board

2007-2011: Member, Space Studies Board

2007-2010: 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

2011-2014: Member, Partnerships for Enhanced Engagement in Research (PEER) oversight committee

2016-2017: Member, Steering Committee, NRC Decadal Survey for Earth Science and Applications from Space

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)

2011-2014: Member, MAPP task force

2002-present: Emeritus Member, NOAA Science Advisory Board

2012-2014: Member, Science Advisory Board (SAB), NOAA Climate Test Bed (CTB) Climate Prediction Center (CPC)

2020: Panelist, Climate Observations and Monitoring Program, NOAA OAR Climate Program Office/Earth System Science and Modeling Division.

National Science Foundation (NSF)

2019-present: Founding member, Growing Convergence Research: College of Reviewers

National Water Research Institute (NWRI)

2004-2015 Member, Research Advisory Board (RAB)

Pacific Northwest Hydrologic Observatory (PNWHO)

2005-2009: 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)

1999-2011: Member, Advisory Panel, UCAR National Centers for Environmental Prediction (NCEP)

2001-2006: Member, Board of Institutional Trustees

2002-2006: 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

1995-2000: Member, Committee on the Encyclopedia of Life Support Systems (EOLSS)

1997-2009: Chair, Scripps Experimental Climate Prediction Center (ECPC) Advisory Committee

2002-2003: Member, Stormwater Advisory Committee of City of Tucson

2003-2010: Member, Executive Committee of NSF-STC Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA)

2005-2010 Member, Advisory Board on watershed preservation issues, USC Center for Sustainable Cities Program

2006 Member, Project Advisory Board (PAB), NSF EPSCoR Idaho

2002-2013: Member, External Advisory Committee of Cooperative Remote-sensing Science and Technology Center (CREST)

2008-2012 Member, Advisory Board, Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI)

2009-2017 Member, California Council on Science and Technology (CCST)

2018-Present Senior Fellow and Distinguished Expert, California Council on Science and Technology (CCST)

2012-Present Member, Advisory Board, Center for Climate Sciences, Jet Propulsion Laboratory (JPL)

2014-2018 Member-at-Large, Section on Atmospheric & Hydrospheric Sciences, American Association for the Advancement of Science (AAAS)

2016 Participant, Second national Earth Observations Assessment (EOA 2016), White House Office of Science & Technology Policy (OSTP), through the U.S. Group on Earth Observations Subcommittee of the Committee on Environment, Natural Resources, and Sustainability

2024-Present Member, External Advisory board, City University of New York Remote Sensing Earth Systems (CUNY CREST) Institute <https://crest.cuny.edu/>

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

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)

2009 Member, Review Panel, National Severe Storm Laboratory (NSSL), University of Oklahoma, Norman, OK

2009 Member, Review Panel, Desert Research Institute, Division of Hydrologic Services, NV

2010 Chair, Review Panel, LANL Earth Space Capability Review, Los Alamos, NM

1997 Chair, *Advisory Panel*, Experimental Climate Prediction Center (ECPC), Scripps Institute, San Diego, CA

2012 Member, Site visit team, NSF CISE Expeditions program at University of Minnesota

2013 Member, Review Panel, DK proposal application to the Board of the Austrian Science Fund (FWF), Vienna, Austria, June 21, 2013

2013 Member, Expert Review Panel on Water and Green Growth (WGG) joint research project of the Ministry of Land, Infrastructure, and Transport of the Republic of Korea (MOLIT), Korea Water Resources Corporation (K-water), and the World Water Council (WWC). Korea, July 2013

2014 Member, AAAS Review Panel, CI-WATER, Utah-Wyoming NSF EPSCoR RII Track-2 project

2015 Member, NOAA Review Panel, National Severe Storm Laboratory (NSSL), University of Oklahoma, Norman, OK

2017 Member, Review Panel, DK proposal application to the Board of the Austrian Science Fund (FWF), Vienna, Austria, October 10-11, 2017

2019 Chair, independent review team for the Evaluation of the International Centre for Water Hazard and Risk Management (ICHARM) in Tsukuba, Japan, as a Category 2 Centre under the auspices of UNESCO

2021 Member, International Review Panel, Institute of Tibetan Plateau Research, Chinese Academy of Sciences (ITPCAS)

2022 Member, Expert Panel, Canada Foundation for Innovation's (CFI) merit-review process for the 2023 Major Science Initiatives (MSI) Fund competition

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

2009 St. Cloud University, MN, Dept. of Earth and Atmospheric Sciences

2010 University of Colorado at Boulder, Cooperative Institute in Environmental Science (CIRES)

2010 University of New Mexico, Water Resources Program

2011 EPFL ENAC School, Lausanne Switzerland

2014 Colorado School of Mines, Dept. of Civil & Environmental Engineering

2015	Member, Review Panel, Institute of Earth Sciences and Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan
2018	Member, External Review committee, UCLA Sustainable LA Grand Challenge (SLAGC)
2019	Member, external review panel, NSF EPSCoR site visit, University of Vermont
2022	Member, external review panel, Colorado School of Mines

Consultant/Technical Advisor

2019-2020	International Technical Advisor on Water and Climate Change, Geoinfo Limited Liability Company, United Nation Development Programme (UNDP), Yerevan, Armenia
Jan. 2020- Dec. 2020:	World Bank - consultant as advisory expert to Ministry of Environment Water and Agriculture (MEWA) of Saudi Arabia for establishment of the National Center for Water Research and Studies (Paid)

University of California

2016-Present	Chair of the Rosenberg International Forum on Water Policy, University of California, Division of Agriculture and Natural Resources.
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UC Irvine (Current and Other Important Committees)

2003-2013	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
2005-2014	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
2005-2010	Member, Faculty and Lecturer/TA Teaching Quality committees, CEE Dept.
2005-2010	Member, Graduate Affairs committee, CEE Dept.
2003-2010	Member, local organizing committees for conferences and meetings as well as other college/department committees.
2007	Member, Search Committee HSSoE Dean
2007-2010	Member, Vice Chancellor for Research Advisory Committee
2007-2009	Member, Academic Senate Subcommittee on International Education (SCIE)
2007	Member, Distinctions Committee
2010-2014	Member, HSSoE Council on International Relations
2014	Member, UCI Provost Search committee
2010-2015	Member, HSSoE Academic Personnel Advisory Committee (APAC)
2016-2017	Chair, CEE Department Honors Committee
2016-present	Member, Water-Energy Nexus (WEX) CENTER advisory Board
2016-present	Member, Water UCI Core Committee https://water.uci.edu/water-uci-core-committee/
2017	Chair, CEE Dept Honors program
2019	Member, CEE Dept. Faculty Search Committee
2017-2021	Member, Faculty Review committees
2020-2021	Member, SSoE Centers Review Task force
2021-present	Member, CEE Dept. Teaching quality and class evaluation focus group
2022-2023	Member, CEE Honors committee
2022-present	Member, CEE Dept. SETH Laboratory Committee
2024-present	Member, Academic Senate Committee on Committees

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
 1993-2003: 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, Kiesel Lecture Committee
 2001: Member, Academic Program Review Committee for Dept. of Geosciences
 2002: Member, Technology and Research Initiative Fund (TRIF) Water Advisory Committee

EXTERNAL REVIEWER UNIVERSITY PROGRAMS: Member 12 International and national review panels

PRESENTATIONS: 240+ Invited speaker and Keynote talks for professional, academic, national and international agencies

CONFERENCES AND SYMPOSIA ACTIVITIES: Organizer, host, chair/co-chair, session convener /co-convener, panelist for 80+ events

ACADEMIC ACTIVITY

Teaching Awards: Engineering Student Council (ESC) UCI Civil & Environmental Engineering Professor of the Year, 2010-2011; Orange County Engineering Council (OCEC) Distinguished Engineering Educator Award 2009; American Society of Civil Engineers (ASCE) Orange County Branch 2007-2008 Distinguished Engineering Educator

Academic Sponsor: 22 Post-doctoral scholars and Researchers; 26 Visiting Scholars; 13 Visiting Students

Faculty Advisor: Total Number of Graduate Students: 100; Ph.D. students: 56; M.S. students: 44

News Articles

UCI Engineering News Sept 24, 2025

American Geophysical Union Bestows Highest Honor to Sorooshian

<https://engineering.uci.edu/news/2025/9/american-geophysical-union-bestows-highest-honor-sorooshian>

Sept. 13, 2019 – Radio KUCI Interview "Ask a Leader" program

January 24, 2024 – HSSoE Newsletter

UCI Professor Soroosh Sorooshian to Share Water Resources Expertise as Hagler Fellow

<https://engineering.uci.edu/news/2024/1/sorooshian-share-water-resources-expertise-hagler-fellow>

UCI CEE Dept Distinguished Professor Receives four prominent honors

<http://www.eng.uci.edu/news/2009/3/cee-distinguished-professor-receives-four-prominent-honors>

UCI Faculty honored at PSIPW Awards Ceremony

http://www.icwrae-psipw.org/index.php?option=com_content&view=article&id=68:icwrae-4-hosts-psipw-awards-ceremony&catid=18:news-a-events&Itemid=10

UCI HSSoE News&Events January 16, 2018

Professor Sorooshian elected Fellow by The International Union of Geodesy and Geophysics (IUGG)

<http://engineering.uci.edu/news/2019/1/sorooshian-elected-fellow-international-union>

UCI HSSoE News&Events March 21, 2017

Sorooshian Wins Ven Te Chow Award

<http://engineering.uci.edu/news/2017/3/sorooshian-wins-ven-te-chow-award>

WATER UCI campus-wide initiative video interview (2016)

<https://www.youtube.com/watch?v=aP1JThxLDr0&feature=youtu.be>

Video Interview - Virtual Embassy of the United States Tehran - Iran , July 2015

<http://iran.usembassy.gov/sorooshian.html>

http://persian.iran.usembassy.gov/prominent_iranian-americans.html

<http://persian.iran.usembassy.gov/mobile//sorooshian.html>

OC Register October 7, 2013

Engineering Professor Receives Medal

UCIrvine Brief Sept 2013

<http://news.uci.edu/briefs/engineering-professor-receives-american-geophysical-unions-horton-medal/>

OC Register December 2012

<http://www.ocregister.com/articles/water-378899-sorooshian-county.html>

UCI Faculty Feature January 2011 http://www.uci.edu/features/2011/01/feature_sorooshian_110110.html

UCI News November 6, 2007 UCI hydrology center awarded United Nations water prize

<https://news.uci.edu/2007/11/06/uci-hydrology-center-awarded-united-nations-water-prize/>