

## CURRICULUM VITAE

**Soroosh Sorooshian, Ph.D., N.A.E.,** Distinguished Professor  
*Dept. of Civil and Environmental Engineering and Dept. of Earth System Science*  
*Director, Center for Hydrometeorology and Remote Sensing (CHRS)*  
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### 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

**University of California at Irvine, Irvine, California**  
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: <http://www.chrs.web.uci.edu/events.html>  
2003-2007 Director, World Lab Center for Hydrometeorology and Water Resources Engineering

**University of Arizona, Tucson, Arizona**  
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

**Case Western Reserve University, Cleveland, Ohio**  
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 MEMBERSHIPS

-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

### **PROFESSIONAL SOCIETY FELLOWSHIPS AND MEMBERSHIPS**

Fellow, American Association for the Advancement of Science (AAAS), 1997  
Fellow, American Meteorological Society (AMS), 1995  
Fellow, International Water Resources Association (IWRA), 2001  
Fellow, American Geophysical Union (AGU), 1994  
Life Member, American Society of Civil Engineers (ASCE) (2013) (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**

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  
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)  
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.

### **PUBLISHED PAPERS**

Author and Co-author of: 275 + peer-reviewed papers (citation h-index 62); 7 books; 33 Contributions in books; 4 Discussions, Replies, Book reviews; 44 Conference Proceedings; 32 Research Reports; 300+Abstracts.  
Researcher ID:B-3753-2008 ; ORCID ID: <http://orcid.org/0000-0001-7774-5113>

### **PRESENTATIONS**

175+ 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 35+ conferences/workshops/meetings since 2003

### **RESEARCH SUPPORT**

PI and Co-PI on over \$60 million (to date) on research projects funded by various agencies including NSF,NASA, DOE, USGS, NOAA, ARO, World Bank, among others.

### **ACADEMIC SERVICE**

Sponsor: 20 Post-doctoral scholars and Researchers; 19 Visiting Scholars; 12 Visiting Students  
Faculty Advisor: Total Number of Graduate Students: 95; Ph.D. students: 52; M.S. students: 44  
Service on Thesis/Ph.D committees: 95+

### **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*  
1995-2005: Member, Editorial Board, UNESCO International Hydrological Programme  
1996-2001: Special Editor for Hydrology, *Bulletin of the American Meteorological Society*  
2002-2005: Associate Editor, Climate Change of the Encyclopedia of Hydrological Sciences  
1999-present: Editorial Board, *Scientia Iranica: International Journal of Science and Technology*  
2000-2013: Editorial Board, *Advances in Water Resources*, Elsevier Publishing Company  
2002-2016: Editorial Board, *Computer-Aided Civil and Infrastructure Engineering*  
2004-2015t: Associate Editor/Editorial Board, *International Journal of Ocean & Oceanography*  
2007-2013 Associate Editor, *Journal of Hydrology*  
2008-present Member, Editorial Board *IEEE Systems Journal*  
2009-2015 Member, Editorial Board, *Iranian Journal of Science and Technology (IJST)*

#### **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<sup>th</sup> 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-present: 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-Present: Member, Joint Scientific Committee (JSC) of the World Climate Research Programme (WCRP)

2013-Present: Member, Independent Expert Committee (IEC) in the field of Engineering, Third 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)

2015-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-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

### **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-Present 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

***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)***

2012-2017 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-Present 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-Present Member, Beckman Center Advisory Board  
2015-2016 Chair, NAE Section 12

***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)

***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, 29<sup>th</sup> 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, 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

**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

*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)

**Professional Profile:** [http://www.faculty.uci.edu/profile.cfm?faculty\\_id=5082](http://www.faculty.uci.edu/profile.cfm?faculty_id=5082)

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