

## Curriculum Vitae for Qingyun Duan

### **National Chair Professor and Chief Scientist**

Institute of Land Surface System and Sustainable Development

Faculty of Geographical Science, Beijing Normal University

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### **RESEARCH INTERESTS:**

Surface hydrology, hydrologic model development and calibration, hydrological ensemble forecasting, statistical methods for uncertainty analyses of large complex system models, climate change impacts on hydrology and water resources

### **EDUCATION:**

**Ph.D.** Hydrology, University of Arizona, Tucson, Arizona, 8/87 - 9/91

**M.S.** Water Resources Administration, University of Arizona, 9/84 - 7/87

**B.S.** Hydro Power Engineering, Wuhan Inst. Of Hydraulic & Electric Eng./Wuhan University, Wuhan, China, 10/78 - 7/82

### **RELEVANT WORKING EXPERIENCE:**

- 01/17-present **National Chair Professor & Chief Scientist for Hydrology and Water Resources**, Institute of Land Surface System and Sustainable Development, Faculty of Geographical Science, Beijing Normal University, Beijing, China
- 09/09-01/17 **National Chair Professor & Chief Scientist for Hydrology and Water Resources**, College of Global Change & Earth System Sciences, Beijing Normal University, Beijing, China
- 01/10-present **Affiliated Research Scientist**, Center for Hydrometeorology and Remote Sensing, University of California, Irvine, CA, USA
- 01/04-09/09 **Research Scientist**, Atmosphere, Earth and Energy Division, Lawrence Livermore National Laboratory, Livermore, California
- 06/97-12/03 **Group Leader and Research Scientist, Special Projects Group, Hydrology Laboratory, NOAA, Silver Spring, Maryland**
- 10/94-05/97 **Project Scientist**, GCIP Core Project, Office of Hydrology, UCAR Offsite at NOAA, Silver Spring, Maryland
- 07/92-09/94 **National Research Council Postdoctoral Fellow**, Hydrologic Research Laboratory, NWS/NOAA, Silver Spring, Maryland
- 09/91-06/92 **Postdoctoral Research Associate**, University of Arizona, Tucson, Arizona

### **HONORS:**

AOGS 2018 Distinguished Lecture in Hydrological Science, Asia Oceania Geosciences Society  
Dayu Water Science and Technology Award, First Prize, China Hydraulic Engr. Society, 2016  
Elected American Meteorological Society Fellow, 2015 Class  
Elected American Geophysical Union Fellow, 2012 Class  
Nationally Specially Designated Expert, Chinese Ministry of Human Resources, 2010  
The 1000 Talents Program Awardee, Chinese Ministry of Human Resources, 2010  
Gold Award, Lawrence Livermore National Laboratory, 2008.

KC Wang Foundation Overseas Scholar Award, Chinese Academy of Science, 2005  
National Research Council Post-doctoral Research Fellowship, 1992-1994

#### **PROFESSIONAL MEMBERSHIPS:**

American Geophysical Union, American Meteorological Society, Asia Oceania Geophysics Society, Chinese Society of Geography, Chinese Meteorological Society, European Geophysical Union, International Association of Hydrological Sciences, International Professionals for Advancement of Chinese Earth Sciences, Society for Industrial and Applied Mathematics (incl., membership in activity groups on Geoscience & Uncertainty Quantification), National Association of Geoscience Teachers (US)

#### **EDITORIAL EXPERIENCE:**

**Editorial Board Member**, Journal of Environmental Informatics Letters, Since March 2019  
**Editor**, Reviews of Geophysics, American Geophysical Union, Since October 2018  
**Member**, Senior Advisory Panel, Environmental Research Communications, since 2018  
**Editor-in-Chief**, Handbook of Hydrometeorological Ensemble Forecasting, Springer Major Reference Series, to be published in 2019  
**Hydrology Editor**, Bulletin of American Meteorological Society, Since 2001  
**Editorial Board Member**, Environmental Modeling and Software, Since 2015  
**Regional Editor for Asia**, International Journal of Water, Since 4/2012  
**Editorial Board Member**, 1000 Talents Magazine, Since 4/2012  
**Editorial Board Member**, Journal of Korean Society of Civil Engineering, 2013-2014  
**Associated Editor**, Water Resources Research, 2001-2004  
**Editor-in-Chief**, “Calibration of Watershed Models”, Water Science and Applications Series 6, American Geophysical Union, Washington, DC, 2003 (ISBN No. 0-87590-355-x)  
**Guest Editor**, Special Issue on “International Model Parameter Estimation Experiment”, Journal of Hydrology, Vol. 320, 2006

#### **PROFESSIONAL COMMITTEE SERVICES:**

##### ***Extramural (international):***

**Founding Leader (Past Chair)**: College of Fellows, American Geophysical Union, since 2019  
**Member**, Scientific Steering Group, Global Energy and Water cycle Exchanges (GEWEX) Project, World Climate Research Program, since 2017  
**Member**, College of Fellows Centennial Sub-committee, American Geophys. Union, since 2017  
**Member**, Scientific Advisory Board, China IAHS Panta Rhei National Committee, since 2016  
**Member**, AGU Horton Medal Committee, 2013-2014  
**Core Member**, AGU Surface Hydrology Technical Committee, 6/2010-12/2013  
**Member and Asia Regional Chair**, HEPEX Scientific Steering Committee, since 2004  
**Chair**, MOPEX Working Group, IAHS Prediction for Ungaged Basins Committee, 2003-2013  
**Member**, Inter Academy Council Committee on Sustainable Global Water Resour., 2010-2011  
**Member**, AGU Surface Hydrology Technical Committee, 6/1998-6/2010  
**Co-Chair**, Program Committee of Western Pacific Geophysics Meeting, American Geophysical Union, July 24-27, 2006 in Beijing  
**Member**, AGU Hydrology Section Executive Committee, 2000-2001  
**Chair and Member**, AGU Horton Research Grant Award Committee, 1998-2001