

Ji CHEN

Department of Civil Engineering, The University of Hong Kong, Pokfulam, Hong Kong

E-mail: jichen@hku.hk; Phone: +852 9813 6118; Fax: +852 2559 5337

Web: <http://web.hku.hk/~jichen/>; https://www.researchgate.net/profile/Ji_Chen21

Areas of Teaching and Research Interests:

Hydrology and hydraulics; Hydrologic modeling and regional climate models; Climate change and urbanization effects; Water resources analysis and policy; Teleconnection of climate patterns; Seasonal forecast of floods and droughts; Terrestrial hydrologic processes (water, sediment, and water pollutants); Remote sensing in hydrology; Reservoir operation optimization and modeling; field measurements of hydrologic processes; Predictions in ungauged catchments

Education:

PhD (Civil and Environmental Engineering), University of Illinois at Urbana-Champaign, Illinois, USA, 2001

Master of Engineering (Hydraulics and Hydropower Engineering), Tsinghua University, Beijing, China, 1996

Bachelor of Engineering (Hydraulics and Hydropower Engineering), Tsinghua University, Beijing, China, 1993

Employment:

2013–date : Civil Engineering, The University of Hong Kong, Pokfulam, Hong Kong; Associate Professor

2004–2013 : Civil Engineering, The University of Hong Kong, Pokfulam, Hong Kong; Lecturer/Assistant Professor

2001–2004 : Scripps Institution of Oceanography, University of California, San Diego, USA; Post-doctoral Fellow

Publication Summary:

Journal Articles – 61; Journal Special Issue – 1; Book – 1; Book Chapters – 6; Conference Papers/presentations – 150

Selected Honors, and Awards:

Stout WRR Award, University of Illinois, USA; Ph.D. Dissertation Completion Fellowship, University of Illinois;

Outstanding Student Paper Award, AGU

Memberships in Professional Associations/Committees:

Asia-Oceania Geosciences Society (AOGS); AOGS Hydrological Sciences Section (HS) Secretary; American Geophysical Union (AGU); American Meteorological Society(AMS); American Society of Civil Engineers (ASCE); International Association of Hydraulic Engineering and Research (IAHR); IAHR-Hong Kong Chapter Executive Committee member (Treasurer, Secretary, External Affairs); Water Resources Commission member in the China Society of Natural Resources

Services to Academic and Scientific Communities:

Journal Associate Editor/Editorial Board Member: Water Resources Research (WRR); Stochastic Environmental Research and Risk Assessment (SERRA); Journal of Hydro-environment Research (JHER); Advances in Geosciences, Hydrological Sciences, (AOGS), World Scientific (Publisher), Singapore

Reviewer: More than 20 International Journals; Research Grants Council, University Grants Committee (Hong Kong)

Conferences: Technical sessions convened/chaired – 25; Committees served – 2

Adjunct Professor: Ho Hai University, Nanjing, China

Invited Seminar/Public Lectures: 22 (Mainland China, Hong Kong, USA, Germany, Taiwan, Singapore, India, Korea)

Five Selected Recent Publications (*corresponding author):

1. **Chen, J***, Shi, H., Sivakumar, B., and Peart, M.R. (2016) Population, water, food, energy and dams, *Renewable and Sustainable Energy Reviews*, 56, 18-28, doi:10.1016/j.rser.2015.11.043
2. **Chen, J***, and Chung, C. (2015) Representation of global precipitation anomalies using four major climate patterns, *Science China Technological Sciences*, 58(5), 927-934, doi:10.1007/s11431-015-5799-y
3. **Chen, J.*** and Wu, Y. (2012) Advancing representation of hydrologic processes in the Soil and Water Assessment Tool (SWAT) through integration of the TOPographic MODEL (TOPMODEL) features, *Journal of Hydrology*
4. **Chen, J.***, Li, Q., Niu, J., Sun, L. (2011) Regional climate change and urbanization effects on weather variables in Southeast China, *Stochastic Environmental Research and Risk Assessment*, 24(4), 555-565
5. **Chen, J.***, Sun, L. (2010) Using MODIS EVI to detect vegetation damage caused by the 2008 ice and snow storms in south China, *Journal of Geophysical Research*, 115, G00H04, doi:10.1029/2009JG001246