

JING WANG

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0147B Engineering Laboratory Building ◊ Department of Civil and Environmental Engineering

University of Maryland ◊ College Park, Maryland, USA, 20742

EDUCATION

- Doctor of Philosophy (Ph. D. Student), Civil Engineering** *Jan. 2016 – Present*
University of Maryland (UMD), College Park, MD, USA *GPA: 4.0/4.0*
Advisor: Dr. Barton A. Forman
Focus: Satellite-based Gravimetry of Terrestrial Water Storage
- Master of Science (M. S. Degree), Civil Engineering** *Jan. 2014 – Dec. 2015*
University of Maryland (UMD), College Park, MD, USA *GPA: 3.7/4.0*
Advisor: Dr. Barton A. Forman
Thesis: Stormwater Runoff and Water Quality Modeling in Urban Maryland
- Bachelor of Science (B. S. Degree), Soil and Hydrologic Science** *Aug. 2012 – Dec. 2013*
Purdue University, West Lafayette, IN, USA *GPA: 3.8/4.0*
Advisor: Dr. Laura C. Bowling
Thesis: Phosphorus Sorption by Sediments from Wetlands in Indiana
- Bachelor of Science (B. S. Degree), Agricultural Engineering** *Sep. 2009 – Dec. 2013*
China Agricultural University (CAU), Beijing, China *GPA: 3.8/4.0*

CONFERENCE PRESENTATIONS

- Jing Wang**, Yuan Xue, Bart A. Forman, Manuela Girotto, and Rolf H. Reichle “Assimilation of GRACE/GRACE-FO and AMSR-E/AMSR-2 into the NASA Catchment Land Surface Model: Towards Year-round Estimation of Terrestrial Water Storage over Snow-Covered Terrain” 2017 GRACE Science Team Meeting, Austin, TX, USA, October 10 – October 12, 2017.
- Jing Wang**, Allen P. Davis, and Barton A. Forman, “Ensemble-based Stormwater Runoff and Water Quality Modeling of A Highway in Suburban Maryland.” 2017 National Capital Region Water Resources Symposium, University of the District of Columbia, Washington D.C., USA, April 7, 2017.
- Jing Wang**, and Bart A. Forman, “A Multi-Sensor Assimilation Framework for Global Snow: Towards A Combined, Radiometric and Gravimetric Data Assimilation Approach.” 49th American Geophysical Union, San Francisco, CA, USA, December 12 – December 16, 2016.
- Bart A. Forman, **Jing Wang**, Manuela Girotto, Rolf H. Reichle, Gabrielle De Lannoy and Matt Rodell, “Towards Year-round Estimation of Terrestrial Water Storage via Multi-sensor Assimilation GRACE/GRACE-FO, AMSR-E/AMSR-2, SMOS and SMAP.” 2016 GRACE Science Team Meeting, Potsdam, Germany, October 5 – October 7, 2016.
- Jing Wang**, Allen P. Davis, and Barton A. Forman, “Probabilistic Stormwater Runoff and Water Quality Modeling in Urban Maryland.” 2016 AWRA Mid-Atlantic Conference, Wilmington, DE, USA, September 15 – September 16, 2016.
- Jing Wang**, Allen P. Davis, and Barton A. Forman, “Stormwater Runoff and Water Quality Modeling in Urban Maryland.” 48th American Geophysical Union, San Francisco, CA, USA, December 14 – December 18, 2015.

Jing Wang, S. D. Smith, and L. C. Bowling, “Phosphorus sorption by sediments from wetlands in Indiana.” International Annual Meetings of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. Tampa, FL. November 3 – November 6, 2013.

PUBLICATIONS

Jing Wang, Barton A. Forman, and Allen P. Davis, “Probabilistic Stormwater Runoff and Water Quality Modeling of a Highway in Suburban Maryland.” *Journal of Hydrologic Engineering*. (Accepted)

FELLOWSHIPS, AWARDS AND TRAININGS

NASA/CUAHSI Remote Sensing Workshop, CUAHSI, Cambridge, MA, 2017

Summer Graduate Fellowship, Maryland Water Resources Research Center (MWRRC), 2015

The Jacob K. Goldhaber Travel Award, UMD, 2015

High Performance Computing Boot Camp, UMD, 2015

GISHydroNXT Certification, UMD, 2015

Outstanding Undergraduate Student, CAU, 2010

RESEARCH, TEACHING AND WORKING EXPERIENCES

Graduate Research Assistant, UMD, Jan. 2016 – Present
Advisor: Dr. Barton A. Forman

Graduate Teaching Assistant, UMD, Jan. 2016 – May 2016
Course: ENCE305 Fluid Mechanics
Instructor: Dr. Barton A. Forman

Graduate Teaching Assistant, UMD, Sep. 2015 – Dec. 2015
Course: ENCE305 Fluid Mechanics
Instructor: Dr. Kaye L. Brubaker

Data Analyst Summer Intern, Food and Drug Administration, MD, Jun. 2014 – Aug. 2014
Advisor: Dr. Joshua Pfefer

COMPUTER SKILLS

Programming Language: Matlab, C/C++, and Fortran

Script: Shell, Python, and Perl

Platform: Linux/Unix and Windows

Editor: VI/VIM, LaTeX, and EMACS

Professional Software: SWMM, ArcGIS, HEC-RAS, HSPF, GISHydroNXT, and AutoCAD

GLOBAL ENGINEERING PROGRAM

Tanzania Food Security Program, Purdue University, Nov. 2012 – April 2013
Design the drip irrigation system for Tanzania