

Tianren Wu

Purdue University – Lyles School of Civil Engineering
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Education

Purdue University, West Lafayette, IN
Doctor of Philosophy, Civil Engineering Expected: May 2020
Purdue University, West Lafayette, IN
Master of Science in Civil Engineering May 2016
GPA: 3.81/4.0
Shenyang Jianzhu University, Shenyang, China
Bachelor of Engineering June 2013
Major: Water Supply and Drainage Engineering
GPA: 85/100

Research

- Bioaerosol Dynamics in the Infant Near-Floor Microenvironment
Purdue University, March 2016 –Present
- CFD-I Modeling of UV Disinfection Reactor
Purdue University, August 2015 –January 2016
- The Enhancement of Electrochemical Carbon Nanotube Filter in Water Treatment
Purdue University, October 2014 – August 2015
- The Effects of Organic Carbon Source and the Nitrate on Anaerobic Ammonia Oxidation Reaction
Shenyang Jianzhu University, January 2013 – June 2013
- Degradation Reactive Brilliant Red X-3B Dye by Microwave-assisted Oxidation with Fenton
Shenyang Jianzhu University, April 2012 – August 2012

Teaching

- CE343 Hydraulics Lab, *Purdue University, 2015 Fall*

Teaching Assistant

- CE350/EEE350 Introduction to Environmental and Ecological Engineering, *Purdue University, 2016 Spring*
- CE340 Hydraulics, *Purdue University, 2015 Fall*

Awards

- Purdue Graduate Student Government (PGSG) Travel Grant, *Purdue University 2016 Fall*

Conference Presentation

- Real-Time Measurements of Indoor Fluorescent Biological Aerosol Particles by Laser-Induced Fluorescence Techniques: Chamber Study & Field Measurement in a Childcare Facility. *American Association for Aerosol Research (AAAR) 35th Annual Conference*, Portland, OR, October 2016. (invited to submit a manuscript to *Aerosol Science & Technology (AST)*).

Work Experience

- **China-Union Century Architecture Design Co., Ltd, Liaoning Branch**, Shenyang, China, *January 2013 – February 2013*
 - Designs of municipal wastewater treatment plant of Fumeng County
- **Liaoning Urban & Rural Construction & Planning Design Institute**, Shenyang, China, *August 2013– July 2014*
 - Designs of stormwater catchment system of Suizhong, and Yingkou City
 - Designs of Hailaer #2 wastewater & stormwater pump station
 - Water supply plan of Xiaoshi in Benxi County

Journal Paper Peer-Review

- Indoor & Built Environment (2016: 1 mspt)