

Dr. Endong Wang

Education

- Ph.D., Engineering (Construction), University of Nebraska, 2013
- M.S., Construction, University of Nebraska, 2011
- M.S., Management Science in Civil Engineering, Southeast University, 2006
- B.E., Structure Engineering, Nanjing, University of Science & Technology, 2003

Academic experience

- University of Tennessee at Chattanooga, Assistant Professor, Construction Management, 08/2013- present
- University of Wisconsin, Postdoctoral Research Associate, Mechanical Engineering 2013
- Key Laboratory of Contemporary Management Informatization, Adjunct Researcher 2008-2009
- Ocean University of China, Instructor, Construction Management 2006-2009

Non-academic experience

- East high International Group Co., Ltd, Construction coordinator, 2004-2005

Certifications or professional registrations

- Quality Matters for Online Education
- Certified professional Constructor (CPC#11152)
- LEED AP BD+C

Current membership in professional organizations

- The American Institute of Constructors, 2014

Honors and awards

- Outstanding Graduate Student, University of Nebraska
- Milton Mohr Fellowship, University of Nebraska
- Outstanding Specialist “5.12 Wenchuan Post-earthquake Rescue”

Service activities (within and outside of the institution)

- Served on two Committees for Faculty and Department Head Search, attended almost all the presentations, discussions and meetings, 2018
- Lab Safety Committee, College of Engineering & Computer Science, University of Tennessee at Chattanooga, 2018
- Technology Symposium Committee, College of Engineering & Computer Science, University of Tennessee at Chattanooga, 2018
- Outreach and Research Committee, College of Engineering & Computer Science, University of Tennessee at Chattanooga, 2018
- The 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, Croatia, 2017
- The 1st international conference on Sustainable Materials Processing and Manufacturing (SMPM), Skukuza, South Africa, 2017

- American Center for Life Cycle Assessment-LCAXVI conference, Charleston, South Carolina, USA, 2016
- The 11th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Lisbon, Portugal, 2016

Briefly list the most important publications and presentations from the past five years

- “Multi-criteria building energy performance benchmarking through variable clustering based compromise TOPSIS with objective entropy weighting”, Wang E, Alp N, Shi J, Wang C, Zhang X, Chen H (2016). Energy 125: 197-210.
- “Benchmarking energy performance of residential buildings using two-stage multifactor data envelopment analysis with degree-day based simple-normalization approach” .Wang E, Shen Z, Alp N, Barry N (2015). Energy Conversion and Management, 106: 530-542.
- “Temporal discounting in life cycle assessment: A critical review and theoretical framework” .Yuan C, Wang E, Zhai Q, Yang F (2015). Environmental Impact Assessment Review, 51: 23-31.
- “Optimizing business operation strategies under uncertainties---A simulation approach.” Wang E, Forst J, Alp N, Wang X (2018). International Conference on Computer Modeling, Simulation and Algorithm (CMSA), Beijing, China, 2018.
- “ Climate effects in data envelopment analysis for residential energy performance benchmarking---An empirical case validation” . Wang E, Mao P, Chen M, Zhang X, Li L (2017). 2018 ASCE-CRC Conference, New Orleans, Louisiana, USA, April 2-5, 2018.
- “A lean life cycle framework for assessing product sustainability” . Egbue O, Wang E and Eseonu C (2014). 2014 ISERC Conference, Palais des Congrès de Montréal, Montréal, Canada, May 31- June 3, 2014.

Briefly list the most recent professional development activities

- Involved in ABET Accreditation process (Criterion 6 Faculty and Criterion 7 Facilities)
- Attended all the department meetings and department training events, group advisement events, capstone defenses, college-level service meetings
- Attended DOE Webinar
- Obtained Quality Matters credential
- Attended NSF CRISP Webinar
- Reviewing services for the Conference on Sustainable Development of Energy, Water and Environment Systems, 2017; ASC Annual International Conference, 2017; ASCE-CRC conference 2018; Multiple journals