



JINGJING (SABRINA) WANG

Jingjing (Sabrina) Wang is a Ph.D. Candidate in Mechanical Engineering at Syracuse University, Syracuse, NY, with a M.S. in Sustainable Energy Engineering from the Royal Institute of Technology (KTH), Stockholm, Sweden and a B.E. in Electrical Engineering from Shandong University, China. She specializes in personalized ventilation systems, indoor environmental quality, and thermal comfort evaluation.

Ms. Wang previously worked as a research assistant in the Building Energy and Environmental Systems Laboratory at Syracuse University where she specialized in the evaluation of personalized ventilation systems, indoor environmental quality analysis, building modeling, and simulation. She also has knowledge and experience with refrigeration systems and CFD analysis. Ms. Wang presented her research findings in several national and international conferences and venues. She also actively participates in the HVAC society activities, including ASHRAE conferences and meetings, in both local chapter and national-wide.

At Taylor Engineering, Ms. Wang's responsibilities include HVAC systems design, HVAC control systems design, Revit and CAD drafting, and load and energy analysis using programs such as Trace and eQUEST. She has been working mostly with commercial buildings, including but not limited to, educational facilities, office buildings and municipal facilities. She aims to provide both cost-effective and energy efficient mechanical system designs and analysis with innovative and sustainable approaches.

EDUCATION

B.E., Electrical Engineering,
Shandong University, China
2005

M.S., Sustainable Energy
Engineering, Royal Institute
of Technology/KTH, Sweden
2009

Ph.D Candidate, Mechanical
Engineering, Syracuse
University, NY

AFFILIATIONS

American Society of Heating,
Refrigeration, and Air-
Conditioning Engineers

American Society of
Mechanical Engineers
(ASME)

International Society of
Indoor Air Quality (ISIAQ)

YEARS OF EXPERIENCE

10 years total
3 years with Taylor

HONORS AND AWARDS

ASHRAE College of Fellows Travel Award 2013 – 2014
Award of WiSE – Future Professionals Program (FPP), Syracuse
University, 2011-2013

TEACHING EXPERIENCE

"Mechanical Engineering Laboratory", teaching assistant,
Department of Mechanical and Aerospace Engineering, Syracuse
University, Syracuse, NY, 2011 – 2012



SELECTED PUBLICATIONS

Meng Kong, Jianshun Zhang, Jingjing Wang (2014). *Experimental and Simulation Study on Personalized Ventilation*. Proceedings of Indoor Air 2014, July 7-12, Hong Kong, China.

Jingjing Wang, Alan Hedge, Tiffany A. Koszalka, Atsuo Ishikawa, Shinsuke Kato, Jianshun Zhang (2013). *Effects of Ventilation on Perceived Indoor Environmental Quality and Performance on Creativity and Productivity Tasks*. CLIMA 2013 – 11th REHVA World Congress and 8th International Conference on IAQVEC, June 16-19, 2013, Prague, Czech Republic.

Jingjing Wang, Monica Burris, Alan Hedge, Tiffany A. Koszalka, and Jianshun Zhang (2011). *A Pilot Study on the Effects of Ventilation Rate on Creativity Performance*. Proceedings of Indoor Air 2011, June 5-10, Austin, Texas, USA.

REPRESENTATIVE PROJECTS

UC Berkeley Moffitt Library Renovation
UC Berkeley Minor Hall Addition Retrofit
Infosys T1
UCSC Coastal Biology Building
San Mateo County Hall of Justice

Berkeley, CA, 36,000 ft²
Berkeley, CA, 55,000 ft²
Palo Alto, CA, 11,800 ft²
Santa Cruz, CA, 40,000 ft²
Redwood City, CA