

XIAOSU DING

[Xiaosu Ding](#), Ph.D. (Civil Engineering) – Environmental & Building Systems Analyst Expert in air quality monitoring, disinfection emissions analysis, and IAQ sensor deployment. Background includes postdoctoral research in weatherization, energy usage, and volatile compound monitoring using high-end instrumentation. Brings strong technical and academic experience in architectural engineering and indoor environmental health.



Qualifications:

- Ph.D. in Civil Engineering (GPA 3.97/4.0), Purdue University, USA (2024)
- Master of Science in Construction Management (GPA 3.9/4.0), Arizona State University, USA (2019)
- Master of Science in Civil Engineering (GPA 3.3/4.0), Arizona State University, USA (2015)
- Bachelor of Engineering in Civil Engineering (GPA 3.0/4.0), Shenyang Jianzhu University, China (2011)
- FE Civil: Passed on 04/18/2019 in Arizona.
- Software: AutoCAD, Revit, Success estimator, EnergyPlus and Open studio, Sketchup, Office
- Instrumentation: PTR-TOF-MS, HR-ELPI+
- Programming: MATLAB, R, C++

Relevant Experience:

- 10+ years of engineering project management experience
- Collecting data from environmental sensing and surface sampling during field visits
- Analyzing air pollutant concentrations and human health risk before and after house weatherization
- Evaluating and characterizing nanoparticle emissions using HR-ELPI+
- Evaluating and characterizing volatile organic compounds using PTR-TOF-MS.
- Evaluating photoionization detector's measurement performance on VOC mixture measurement with PTR-TOF-MS
- Analyzing on human inhalation exposure to indoor air pollutants (such as particles and VOCs)
- Past employers: University of Oklahoma Health Sciences, USA, Purdue University, USA, Zhongjian Jingcheng Design Company, China

Role for District Projects:

- Will serve as Engineering Technician V
- Drafting, Routine design, Material data entry
- Ensure compliance with all contracts and regulatory requirements