



Graduate Research Assistantship in Building Energy Efficiency**Fall 2024**

The [Building & Environmental Thermal Systems](#) research group (BETRSG) and [Center for Integrated Building Systems \(CIBS\)](#) at the department of Mechanical and Aerospace Engineering at Oklahoma State University is looking for motivated PhD students to join our team for research in the field of building science and technology.

Qualified candidates are expected to have a background in building thermal systems and interest in modeling and experiments. Preference will be given to candidates with experience in:

- Building Heat Transfer and Energy Analysis
- HVAC System Simulation and Design
- Grid-Interactive District Energy Systems
- Building-To-Grid Integration
- Ventilation and Indoor Air Quality

Preferred Qualifications

Applicants should have:

- Strong academic records with a degree in Mechanical, Architectural, Electrical Engineering or related fields
- Strong background in thermo-fluid science, HVAC systems, building and community energy and control systems, data driven modeling
- Research experience with peer-reviewed publications
- Computer programming experience (e.g., Python, MATLAB, C/C++, ...)
- Experience with building energy simulation (e.g., EnergyPlus, Modelica, TRNSYS, ...)
- Experience with Laboratory Experiments, instrumentations, controls, and data acquisition (e.g., LabVIEW)
- Good English verbal and written communication skills
- Self-motivation, ability to work both independently and as part of a collaborative team environment

Contact Information

Interested applicants are encouraged to reach out to Dr. Ardeshir Moftakhari (ardeshir@okstate.edu) with CV and full BS-MS transcripts ahead of application for Fall 2024.

See <https://ceat.okstate.edu/mae/students/graduate.html> for full application requirements.

More information is available at <https://ceat.okstate.edu/mae/faculty-staff/faculty-bios/ardeshir-moftakhari.html> and <https://amoftakhari.github.io/>