



Graduate Research Assistantship in Building Thermal Systems Spring 2024/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 thermal systems.

Qualified candidates are expected to have a background in building science and technology 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 science
- Research experience with peer-reviewed publications
- Computer programming experience (e.g., Python, MATLAB, C/C++, ...)
- Experience with building energy simulation software (e.g., EnergyPlus, Modelica, ...)
- 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 transcripts ahead of application for Spring 2024 or 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/>