



Graduate Research Assistantship in Building Thermal Systems Fall 2023

The [Building & Environmental Thermal Systems](#) group 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 technology research 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

For questions and inquiries, please contact Dr. Ardeshir Moftakhari at ardeshir@okstate.edu

The deadline for Summer/Fall 2023 is by March 1st (earlier recommended for international students). Interested applicants are encouraged to reach out and apply as soon as possible. See <https://ceat.okstate.edu/mae/students/graduate.html> for full application requirements. If you are interested in this position, please mention Dr. Moftakhari in your Statement of Purpose.

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