

Ph.D. Student and Postdoctoral Researcher Positions Available

A Ph.D. student with a full graduate assistantship and a Postdoctoral Researcher position is available in the Department of Civil, Construction, and Environmental Engineering at University of Alabama, starting in the Fall 2024 or Spring 2025. This opportunity is in Dr. Duan's lab, focusing on sustainable and intelligent built environment research, including flood resilience and thermal resilience. The research will utilize artificial intelligent techniques such as machine learning, GPT-guided gaming engines, and storytelling to improve the life quality of socially vulnerable populations.

Qualifications for PhD student:

- Master's degree in one of the following disciplines: Architectural Engineering, Building Technology, Computer Science, Mechanical Engineering, Electrical Engineering, or other relevant fields.
- Self-motivated, independent, responsible, and enthusiastic personality.
- Proficient programming skills.
- Strong English writing and speaking skills.
- Publication records or research experience are preferred.

Qualifications for Postdoctoral Researcher:

- A Ph.D. degree in Architectural Engineering, Building Technology, Computer Science, Mechanical Engineering, Electrical Engineering, or a relevant program by the start date.
- Goal-oriented and structured way of working, initiative/commitment, ability to work in a team and willingness to cooperate, willingness to learn as well as conceptual, strategic, and innovative thinking skills.
- Confirmed practice in publication and presentation of scientific results.
- Proficient programming skills.
- Very good command of English.
- Experience in supervision of young scientists is preferred.

Application Instructions

Please email Dr. Duan at qduan@ua.edu with the following materials:

- CV/ Resume
- A personal statement describing research interests and qualifications
- Names and contact information of 3 references
- Transcripts
- TOFEL/GRE or other English scores (if any)

The review of applicants will begin immediately and continue until a suitable candidate is selected. Please feel free to contact Dr. Duan for more information.

About Dr. Duan

Dr. Duan is a tenure-track assistant professor in the Department of Civil, Construction, and Environmental Engineering at the University of Alabama. Her research interests focus on sustainable and intelligent built environments, including climate resilience, building performance, building envelopes, and indoor environment quality.

About the University of Alabama

The University of Alabama (UA) is a public research university located in Tuscaloosa, Alabama, United States. Founded in 1820 and opened to students in 1831, UA is the oldest and largest of the public universities in Alabama and the flagship of the University of Alabama System. It is classified among Doctoral Universities – Very High Research Activity status, formerly known as the R1 category, according to the Carnegie Classification of Institutions of Higher Education. UA is now ranked in Tier 1, the top tier of national universities in the U.S. News & World Report Ranking.