



Bert S. Turner Department of Construction Management

Patrascu's Future Intelligent Resilient Systems (FIRST) Lab at Louisiana State University

Position: Fully Funded PhD Opportunity in Construction Management

Start Date: Fall 2026

Dr. Flavia-Ioana Patrascu's FIRST Lab at Louisiana State University is seeking **one exceptional motivated PhD student** to join her research team. The selected candidate will work on groundbreaking projects that integrate intelligent built environments with community resilience, focusing on solutions that address societal impacts under the stress of future climate change.

Ideal Candidate Profile

Educational Background: MSc in Engineering, Computer Science, or a closely related field.

Technical Skills:

- Advanced programming proficiency in Python, R, and/or MATLAB.
- Experience in handling and analyzing big data.
- Proven track record of authoring or contributing to peer-reviewed scientific publications.
- Strong analytical and problem-solving skills, particularly in applying computational methods to real-world scenarios.
- Excellent written and verbal communication skills for effective collaboration and publication.

Nice to Have:

- Experience with machine learning and AI applications in engineering and/or science.
- Working knowledge of GIS.
- Experience with disaster risk, resilience, and impacts (e.g., floods, hurricanes, wildfires, landslides).

About Dr. Patrascu

Dr. Flavia-Ioana Patrascu is a tenure-track Assistant Professor and Civil Engineer with over five years of research and industry experience across Europe and the United States. Her work is driven by a passion for resilience and a commitment to solving real-world problems that make a tangible difference in people's lives.

Why Join Us?

This is a fully funded opportunity for a highly qualified and competitive candidate who is eager to make meaningful contributions to the fields of Construction Management and Intelligent Systems.

Application Process

Interested candidates should email their CV and a cover letter detailing how they are a good fit for the position to Dr. Patrascu at fpatrascu@lsu.edu. Please use the subject line:

"Funded RA Position 2026 – Candidate LAST NAME"