

**Postdoctoral Associate - The Wall of Wind (WOW)
Experimental Facility
Florida International University**

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Posted Apr. 28, 2025, set to expire Aug. 28, 2025

Job Title	Postdoctoral Associate - The Wall of Wind (WOW) Experimental Facility
Department	Civil and Environmental Engineering
Institution	Florida International University Miami, Florida
Date Posted	Apr. 28, 2025
Application Deadline	May 25, 2025
Position Start Date	Sep. 1, 2025
Job Categories	Post-Doc
Academic Field(s)	Civil Engineering
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Job Description

Florida International University is a top public university that drives real talent and innovation in Miami and globally. Very high research (R1) activity and high social mobility come together at FIU to uplift and accelerate learner success in a global city by focusing in the areas of environment, health, innovation, and justice. Today, FIU has two campuses and multiple centers. FIU serves a diverse student body of more than 56,000 and 290,000 Panther alumni. U.S. News and World Report places dozens of FIU programs among the best in the nation, including international business at No. 2. Washington Monthly Magazine ranks FIU among the top 20 public universities contributing to the public good.

Postdoctoral Associate -The Wall of Wind (WOW) Experimental Facility

The Wall of Wind (WOW) Experimental Facility at Florida International University (FIU) is at the forefront of Wind Engineering research, participating in multiple major research initiatives funded by the

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U.S. National Science Foundation (NSF), National Institute of Standards and Technology (NIST) and several other state and private entities. More information about these programs can be found at:

- [NSF NHERI Wall of Wind Experimental Facility](#)
- [NSF IUCRC WHIP Center](#)
- [NSF NICHE](#)
- [Extreme Events Institute](#)

The postdoctoral researcher will have the opportunity to participate in cutting-edge research initiatives, collaborate with a multidisciplinary team of experts, and interact with academic and industry users from around the globe. This is a two-year post-doctoral position, with the possibility of renewal.

Primary duties

- Conduct independent and collaborative research on wind engineering, focusing on experimental and/or computational aspects.
- Design, set up, and execute experiments using the Wall of Wind facility, including wind flow field, aerodynamic, and aeroelastic testing.
- Develop and apply advanced numerical models (e.g., FEA, CFD) to simulate wind effects on structures.
- Analyze and interpret experimental and numerical data, and disseminate findings through technical reports, conference presentations, and peer-reviewed publications.
- Assist in the development of research proposals and contribute to the acquisition of external funding.
- Mentor and supervise graduate and undergraduate students.
- Collaborate with researchers from other institutions and industry partners.

Qualifications

- A Ph.D. in Civil Engineering, Mechanical Engineering, Aerospace Engineering, or a closely related field.
- Strong background in wind engineering, fluid mechanics, and/or building aerodynamics.
- Experience with experimental techniques in wind engineering, such as PIV, pressure measurements, and load measurements.
- Proficiency in computational methods, such as finite element analysis (FEA) and computational fluid dynamics (CFD).
- Experience with data acquisition and analysis using software such as LabVIEW, MATLAB, and Python.

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- Excellent written and oral communication skills, with a proven track record of publishing research findings.
- Ability to work independently and collaboratively in a fast-paced research environment.

How to Apply

Qualified candidates are encouraged to apply to Job Opening ID **534802** at careers.fiu.edu and attach a current curriculum vitae, list of publications, and a cover letter, as a single PDF file. Finalist candidates will be requested to provide names and contact information for at least three references who will be contacted. To receive full consideration, applications, and required materials should be received by **May 25, 2025**. The review will continue until the position is filled.

EEO/AA Policy

FIU is a State University System of Florida member, Equal Opportunity, Equal Access, and Affirmative Action Employer for individuals with disabilities and veterans. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin, disability, or protected veteran status. For inquiries regarding nondiscrimination, contact FIU's Office of Civil Rights Compliance and Accessibility at 305.348.2785 or email ocrca@fiu.edu.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Prof. Ioannis Zisis
Civil and Environmental Engineering
Florida International University
Miami, FL 33174

Contact E-mail izisis@fiu.edu