

**Ph.D. Student or Postdoctoral Researcher in Wind Engineering and Indoor Air Quality Modeling at WPI
Worcester Polytechnic Institute (WPI)**

Direct Link: <https://www.AcademicKeys.com/r?job=253255>

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Posted Feb. 17, 2025, set to expire Jun. 17, 2025

Job Title	Ph.D. Student or Postdoctoral Researcher in Wind Engineering and Indoor Air Quality Modeling at WPI
Department	Civil, Environmental, and Architectural Engineering
Institution	Worcester Polytechnic Institute (WPI) Worcester, Massachusetts
Date Posted	Feb. 17, 2025
Application Deadline	Open until filled
Position Start Date	Fall 2025
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Mechanical Engineering Architectural (Building & Construction) Engineering - Other
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Job Description	

Ph.D.Student or Postdoctoral Researcher in Wind Engineering and Indoor Air Quality Modeling (CFD)

Worcester Polytechnic Institute (WPI)

Civil, Environmental, and Architectural Engineering

Ph.D. Student or Postdoctoral Researcher in Wind Engineering and Indoor Air Quality Modeling at WPI Worcester Polytechnic Institute (WPI)

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[#PhDposition](#), [#Postdoc](#), [#CFD](#), [#EngineeringJobs](#), [#WindEngineering](#), [#IndoorAirQuality](#), [#pollution](#), [#climatechange](#), [#Openform](#)

Position Description

The Department of Civil, Environmental, and Architectural Engineering at Worcester Polytechnic Institute (WPI) invites applications for a Ph.D. student or postdoctoral researcher position, commencing in Spring or Fall 2025. The successful candidate will undertake advanced computational fluid dynamics (CFD) simulations to address critical issues in wind engineering and indoor air quality modeling.

1. Ph.D. Candidates:

Ideal candidates will possess a strong academic background in disciplines such as Architectural Engineering, Mechanical Engineering, Atmospheric Science, or Environmental Engineering. Key qualifications include:

- Exceptional communication and writing skills
- Proven success in academic coursework and research
- Compliance with WPI's Graduate School requirements (<https://www.wpi.edu/admissions/graduate/how-to-apply?itemId=item-27>)

A **research assistantship**, inclusive of a tuition waiver and a financial stipend, will be provided.

To apply: Official applications should be completed using the online portal (<https://gradapp.wpi.edu/apply/>). Please also email a detailed Curriculum Vitae including GPA and TOEFL/IELTS score to Dr. Shichao Liu at sliu8@wpi.edu. GRE is recommended but not required. Please include the phrase "PhD applicant 2025" in the Subject line of the email.

2. Postdoctoral Candidates:

The position requires:

- Research experience with open-source CFD packages (e.g., OpenFOAM)
- Strong skills in programming for CFD
- In-depth knowledge of fluid dynamics and turbulence modeling
- A solid publication record in peer-reviewed journals
- Excellent oral communication skills

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Compensation will follow WPI's postdoctoral researcher guidelines (<https://www.wpi.edu/offices/vice-provost-research/sponsored-programs/resources/institutional-information-rates>).

To apply: Please email a detailed Curriculum Vitae including two published papers to Dr. Shichao Liu at sliu8@wpi.edu.

Contact Information

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

Contact Shichao Liu
Civil, Environmental, and Architectural Engineering
Worcester Polytechnic Institute (WPI)
Worcester, MA

Contact E-mail sliu8@wpi.edu