

Research Assistant
Worcester Polytechnic Institute

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Posted Aug. 5, 2025, set to expire Jun. 30, 2026

Job Title Research Assistant
Department
Institution Worcester Polytechnic Institute
Worcester, Massachusetts

Date Posted Aug. 5, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Classified Staff

Academic Field(s) Research/Technical/Laboratory

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Job Description

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JOB TITLE

Research Assistant

LOCATION

Worcester

DEPARTMENT NAME

Mechanical & Materials Engineering - JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

Research Assistant Worcester Polytechnic Institute

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Multiple PhD Research Assistant temporary positions are available in the Multiscale Thermal Fluids Laboratory (MTFL) within the Department of Mechanical and Materials Engineering at Worcester Polytechnic Institute (WPI). These are immediate openings, and priority will be given to applicants who can begin the program right away.

JOB DESCRIPTION

Project 1: Droplet Dynamics

This project involves the experimental study of sessile droplet behavior in shear gas flows, using high-speed imaging and image processing techniques.

Project 2: Energy Analysis of Commercial Buildings

This project focuses on the energy performance analysis of commercial buildings in the region, with the broader goal of promoting clean energy systems.

Both projects fall under the overarching theme of clean energy research.

The Mechanical and Materials Engineering Department at WPI enrolls approximately 1,000 undergraduate and 200 graduate students. WPI is located in Worcester, MA, a dynamic and growing city just one hour from Boston.

Eligibility Requirements:

- Project 1: Applicants must hold a BS or MS in Mechanical Engineering, Aerospace Engineering, or Chemical Engineering, with experience in experimental fluid dynamics and image processing.
- Project 2: Applicants must hold a BS or MS in Mechanical Engineering, Civil Engineering, or Architectural Engineering.

Application Instructions:

Interested applicants should include the following documents: Contact Dr. Mehdi Mortazavi (mmortazavi@wpi.edu) for any inquiries:

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- Complete resume (PDF format)
- BS and MS transcripts
- GRE and TOEFL scores (for international applicants)
- Names and email addresses of three references

Additional Information:

Details about Dr. Mortazavi's research can be found at: <https://wp.wpi.edu/mtfl/>

FLSA STATUS

United States of America (Non-Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals from all backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Research-Assistant_R0003232

About WPI

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

Diversity & Inclusion at WPI

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse

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perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

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

Contact

N/A

Worcester Polytechnic Institute

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