

Assistant Professor - Mechanical & Materials Engineering Worcester Polytechnic Institute

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Posted Oct. 10, 2024, set to expire Feb. 6, 2025

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| Job Title | Assistant Professor - Mechanical & Materials Engineering |
| Department | Mechanical and Materials Engineering |
| Institution | Worcester Polytechnic Institute Worcester, Massachusetts |
| Date Posted | Oct. 10, 2024 |
| Application Deadline | Open until filled |
| Position Start Date | Available immediately |
| Job Categories | Assistant Professor |
| Academic Field(s) | Mechanical Engineering Material/Metallurgy |
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Job Description

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JOB TITLE

Assistant Professor - Mechanical & Materials Engineering

LOCATION

Worcester

DEPARTMENT NAME

Mechanical and Materials Engineering

DIVISION NAME

Assistant Professor - Mechanical & Materials Engineering Worcester Polytechnic Institute

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Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

The Mechanical and Materials Engineering Department at Worcester Polytechnic Institute (WPI) seeks applicants for a tenure-track faculty position in the area of Applied Artificial Intelligence (AI) and ICME (Integrated Computational Materials Engineering) available at the assistant professor level.

The successful candidate will possess a strong background in ICME and demonstrate proficiency in applying AI techniques to materials design. Expertise in computational modeling, machine learning, and data analytics is essential. The candidate should have experience in leveraging AI-driven approaches within ICME frameworks to accelerate the discovery and development of new materials. A proven ability to integrate multidisciplinary methodologies to solve complex materials science challenges is highly desirable. Computational or hybrid computational/experimental approaches are welcome.

The candidate will be expected to develop an active externally funded research program and teach undergraduate and graduate courses in mechanical engineering. Candidate is required to have a PhD or equivalent degree in materials engineering, mechanical engineering, or another relevant discipline.

This position is expected to be filled at the Assistant Professor level. For experienced candidates, rank will be commensurate with experience.

JOB DESCRIPTION

The Mechanical and Materials Engineering Department at WPI (<https://www.wpi.edu/academics/departments/mechanical-materials-engineering>) has 26 dual-mission faculty and 7 full-time teaching faculty. MME offers undergraduate degrees in mechanical engineering to over 900 students. The department offers graduate degrees in mechanical engineering, materials science and engineering, and manufacturing engineering to about 200 graduate students. The department's annual externally sponsored research expenditures have exceeded \$13M.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low, faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as

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a growing hub of scientific and technological innovation.

Applications should include curriculum vitae, statements of teaching and research interests; statement of activities that would advance WPI's commitment to diversity, equity, and inclusion; and a list of five professional references.

Applications from women and minority candidates are especially encouraged. Application packages received before December 15, 2024 will be prioritized under full consideration.

This search will remain open until the position is filled. Questions can be addressed to the Chair of the Search Committee, Professor Yu Zhong yzhong@wpi.edu.

FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. 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 with diverse 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/Assistant-Professor---Mechanical---Materials-Engineering_R0002981

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.

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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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