

**Post-Doctoral Fellow
Worcester Polytechnic Institute**

Direct Link: <https://www.AcademicKeys.com/r?job=253679>

Downloaded On: Feb. 24, 2025 5:15pm

Posted Feb. 24, 2025, set to expire Jun. 21, 2025

Job Title	Post-Doctoral Fellow
Department	
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Feb. 24, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Electrical and/or Electronics
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Job Description

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JOB TITLE

Post-Doctoral Fellow

LOCATION

Worcester

DEPARTMENT NAME

Electrical & Computer Engineering NFR - JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

Post-Doctoral Fellow Worcester Polytechnic Institute

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The integrated circuits and systems (ICAS) Lab at WPI is seeking a postdoctoral researcher to contribute to cutting-edge research in embedded design, hardware-software integration, and multimodal sensor fusion for next-generation biomedical devices, i.e., wearable and embedded systems.

WPI is passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity and inclusion.

JOB DESCRIPTION

Responsibilities:

- Develop and optimize embedded systems for real-time, on-device computation.
- Design and integrate hardware and software for multimodal sensor platforms.
- Implement and refine sensing techniques for enhanced data processing.
- Conduct data-driven modeling and validation of smart healthcare sensing technologies.
- Collaborate with a multidisciplinary team to advance research in health monitoring and smart biomedical devices.
- Publish high-impact research in peer-reviewed journals and conferences.

Qualifications:

- Ph.D. in Electrical Engineering, Computer Science, or a related field**.
- Strong experience in embedded system design, firmware development, and sensor interfacing.
- Proficiency in hardware-software co-design and real-time signal processing.
- Experience with machine learning for sensor data analysis is a plus.
- Strong publication record in relevant areas.
- Ability to work both independently and collaboratively in a research-driven environment.

This position offers an exciting opportunity to contribute to pioneering research in wearable and embedded intelligence. Interested candidates should submit a CV, cover letter, and references. Questions can be sent to: uguler@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

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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/Post-Doctoral-Fellow_R0003079

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 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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