

Assistant Professor of Robotics and Artificial Intelligence
(Tenure-Stream)
University of Pittsburgh

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Job Title Assistant Professor of Robotics and Artificial Intelligence (Tenure-Stream)
Department Mechanical Engineering and Materials Science Department
<https://www.engineering.pitt.edu/mems>
Institution University of Pittsburgh
Pittsburgh, Pennsylvania

Date Posted Jan. 22, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Assistant Professor

Academic Field(s) Robotics
Mechanical Engineering

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Job Description

The Department of Mechanical Engineering and Materials Science (MEMS) at the University of Pittsburgh (Pitt) invites applications for an Assistant Professor tenure-track position in **Robotics and Artificial Intelligence**

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. Successful applicants should be able to build an externally funded research program and contribute to the MEMS Department's teaching mission. Applicants should have a PhD or ScD in Mechanical Engineering or a related field. Applicants with outstanding track records at the associate professor and full professor levels are also encouraged to apply, but the focus will be at the assistant professor level.

Expertise is particularly sought in the field of robotics, such as autonomous systems, mobile robotics, soft robotics, human-robot interaction, micro-robotics, and multi-robot systems. Applicants with experience in robot and artificial intelligence in one or more of the following areas: dynamic systems and control, motion and manipulation, "digital twins", decision-making and problem-solving, algorithm and system design, machine learning, big data analysis, the Internet of Things, and Industry 4.0 are encouraged to apply. Candidates with robotics interests as applied to healthcare and those with cross-disciplinary expertise in artificial intelligence and robotics will be strongly considered.

The MEMS Department currently has 33 tenured or tenure-track faculty members who generate over \$16 million in annual research expenditures. The Department maintains cutting-edge experimental and computational facilities in its five core research competencies: advanced manufacturing and design; materials for extreme conditions, biomechanics and medical technologies; modeling and simulation; energy system technologies; and quantitative and in-situ materials characterization.

The successful candidate for this position will benefit from the resources, support, and a multidisciplinary research environment fostered by many interdisciplinary centers, including the University of Pittsburgh's [Center for Research Computing](#). The University of Pittsburgh Medical Center, with which the MEMS department has a long history of collaboration, provides direct access to applications and collaborations in healthcare.

Qualified applicants should submit their applications through the [Pitt Talent Center](#) under requisition # 25000075. The application should include the following materials in PDF form: a curriculum vitae, statements of research and teaching plans, a statement describing experience with or interest in activities to enhance diversity, inclusion, and equity, and the names and contact information of at least three references. Review of applications will begin immediately and continue until the position is filled.

In line with the Swanson School of Engineering's values of inclusive excellence, we are committed to creating and maintaining a climate and culture that allows individuals to discover, belong, contribute, and grow while honoring the experiences, perspectives, and unique identities of all. This commitment is a fundamental value of the University and is crucial in helping us advance our mission, which includes attracting and retaining diverse workforces. The University of Pittsburgh is committed to championing all aspects of diversity, equity, inclusion, and accessibility within our community.

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EEO/AA Policy

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer (EOE) and values equality of opportunity, humandignityand diversity. EOE, including disability/vets.

Contact Information

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

Contact Jessica Pendrick
Mechanical Engineering and Materials Science
Department
University of Pittsburgh
Pittsburgh, PA

Contact E-mail jlp301@pitt.edu