

THE UNIVERSITY OF TEXAS AT AUSTIN

# Multiple Tenure-Track Positions in Mechanical Engineering

The Walker Department of Mechanical Engineering at The University of Texas at Austin seeks applicants for multiple tenure-track positions at the rank of Assistant Professor. Candidates in the following areas of mechanical engineering will be considered. (Candidates are encouraged to view these areas of emphasis in the broadest sense in determining whether they match their research skills and interests.)

**ADVANCED MANUFACTURING**, including but not limited to: (a) additive manufacturing, (b) nanomanufacturing, (c) biomanufacturing, and (d) manufacturing of flexible devices.

**DESIGN AND HUMANITARIAN ENGINEERING**, including: (a) development, piloting, and evaluation of technologies and interventions for low-resourced environments; (b) design methodologies, such as participatory design, that actively involve users in low-resourced environments; and (c) environmentally-conscious design. Candidates with a desire to contribute to the goals of the [Humanitarian Engineering Certificate Program](#) are especially encouraged to apply.

**PRECISION MECHATRONICS AND CONTROLS**, including expertise in areas such as: (a) design of sensors, actuators, and control systems for precision manufacturing systems; and (b) development of processing and metrology equipment for nanofabrication, heterogeneous integration, and advanced packaging. Candidates with expertise in prototype development, modeling and simulation, and/or experimentation directed at applications including semiconductors, photonics, displays, and biodevices are encouraged to apply.

**ROBOTICS**, with an emphasis on novel hardware and control techniques, including the development of: (a) human-centered or bio-inspired robotics, multi-agent systems, and/or human-robot teaming, (b) autonomous robotic and transportation systems, such as ground, aerial, underwater and/or space vehicles; and (c) robotic system design which merges traditional control approaches with machine learning and AI, while having a balanced approach to theory and experimental work.

Candidates must have completed a Ph.D. degree in Engineering or a related field prior to their start date. Successful candidates will be expected to create undergraduate and graduate learning environments that address the needs of students from a variety of backgrounds, with differing learning approaches and abilities, develop an externally sponsored research program, mentor graduate students, collaborate with other faculty, and be involved in service to the university and profession.

The Walker Department of Mechanical Engineering is committed to supporting the success of all members of our community: students, staff, and faculty. A successful candidate can expect to benefit from and contribute to those efforts. The Department's [Strategic Plan](#) identifies a set of core values, which include: scholarship, impact, integrity, diversity, collaboration and inclusivity. More information about the Walker Department of Mechanical Engineering may be found at [www.me.utexas.edu](http://www.me.utexas.edu).

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, citizenship status, Vietnam era or special disabled veteran's status, or sexual orientation.

## Application

Interested applicants should submit the following to

<http://apply.interfolio.com/132005>

1) a cover letter, 2) curriculum vitae, 3) research statement, 4) teaching and mentoring statement, and (5) a list of three references.

Please see the [ME website](#) for additional information and guidance. Successful candidates will be required to complete an Employment Eligibility Verification form, a background check, and provide documents to verify identity and eligibility to work in the U.S.A.

## Deadline

For full consideration, applications should be received by **November 15, 2023**.



The University of Texas at Austin  
Walker Department  
of Mechanical Engineering  
Cockrell School of Engineering