

# Multiple Faculty 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, additive manufacturing, nanomanufacturing, biomanufacturing, and manufacturing of flexible devices with an emphasis on smart manufacturing, including real-time metrology, data analytics, and process control

**SUSTAINABLE ENERGY SYSTEMS**, with an emphasis on design and manufacturing

**NUCLEAR AND RADIATION ENGINEERING**, including: (a) materials in nuclear and space environments; (b) radiation interactions/effects in materials and materials survivability; (c) chemical engineering and processing of nuclear materials; and (d) nuclear reactor thermal hydraulics

**ROBOTICS**, including the development of: (a) bio-inspired robotic systems, including soft actuation and sensing; (b) autonomous vehicles and transportation systems, including ground, aerial, underwater and/or space vehicles; and (c) novel control techniques, especially in multi-agent systems, human-centered robotics, and/or human-robot teaming

**THERMAL-FLUID SCIENCES**, including: (a) climate change and clean energy; (b) microelectronics and quantum hardware; (c) biomedical instrumentation; and (d) data sciences

Applicants are encouraged to review the department's strategic areas of research: <https://www.me.utexas.edu/research/research-areas>.

The department and the Cockrell School of Engineering are committed to building a diverse and inclusive environment. We encourage applications from candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

Candidates must have completed a Ph.D. degree in Engineering or a related field prior to their start date. Successful candidates will also be expected to teach our diverse undergraduate and graduate population, develop a strong sponsored research program, mentor graduate students, collaborate with other faculty from a wide range of backgrounds, and contribute to service to the university and the profession.

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

Applicants should submit the following to

<http://apply.interfolio.com/113653>

1) a cover letter, 2) curriculum vitae, 3) statement of research interests, 4) statement of teaching philosophy and experience, 5) a statement describing past contributions and future plans for promoting diversity and inclusion through research, teaching, and/or service, and 6) a list of three references.

## Deadlines

Evaluation of applications will begin on **October 15<sup>th</sup>, 2022** and continue until suitable candidates are identified. **For full consideration, applications should be received by November 1<sup>st</sup>.** Information about the Walker Department of Mechanical Engineering may be found at [www.me.utexas.edu](http://www.me.utexas.edu). 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.



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