

Tenure Track Assistant Professor of Mechanical
Engineering
Florida Institute of Technology

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Posted Jan. 15, 2025, set to expire May 15, 2025

Job Title Tenure Track Assistant Professor of Mechanical Engineering
Department Mechanical and Civil Engineering
Institution Florida Institute of Technology
Melbourne, Florida

Date Posted Jan. 15, 2025

Application Deadline Open until filled

Position Start Date August 2025

Job Categories Assistant Professor

Academic Field(s) Robotics
Mechanical Engineering

Job Website <https://floridatech.wd5.myworkdayjobs.com/FloridaTechCareers>

Apply Online Here https://floridatech.wd5.myworkdayjobs.com/en-US/FloridaTechCareers/details/Tenure-Track-Assistant-Professor-of-Mechanical-Engineering_R6248-1?q=R6248

Apply By Email

Job Description

The Department of Mechanical and Civil Engineering (MCE) at the Florida Institute of Technology (Florida Tech) invites applications for a tenure track Assistant Professor position in the areas of robotics/controls/dynamic systems with emphasis on AI, machine learning, and digital engineering applications, with the start date of August 2025.

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Successful candidates must have a commitment to teaching excellence at undergraduate and graduate levels, develop a nationally recognized externally funded research program, and contribute to the institution and profession through service. A Ph.D. in Mechanical Engineering or a closely related field is required for consideration. Candidates with exceptional strength in Design and Manufacturing would also be considered.

The current mechanical engineering faculty have research strengths in three major areas of expertise: design and manufacturing, thermal-fluid sciences, and dynamic systems/robotics. Florida Tech has recently committed over \$14 million to enhance engineering and science research infrastructure. These include research lab renovations, composites manufacturing and testing (autoclave, walk-in oven, ultrasonic C-scan, multi-axial load frame), materials characterization (SEM, TEM, AFM, micro-CT scanner), and spacecraft manufacturing (ISO6 clean rooms, thermal vacuum testing chambers, Sun simulator, vibration shaker, satellite ADCS test stand with air bearing & Helmholtz Cage). A similar level of investment is expected for the upcoming years.

Information about the Department of Mechanical and Civil Engineering, as well as the College of Engineering and Science, can be found at <http://floridatech.edu/mce/>. The Department has 22 faculty members representing diverse fields, including mechanical engineering, civil engineering, engineering management, and construction management. The MCE Department currently serves about 600 students, of which approximately 320 undergraduate and 70 graduate students are mechanical engineering majors, making the Mechanical Engineering program one of the largest on campus.

Florida Tech is a national, private, not-for-profit, technological, co-educational, doctoral-granting, research-intensive university. The university is ranked Top 100 Best Value University (U.S. News & World Report), 17th in U.S. Graduate Employability (Global Employability University Ranking), and Top 6% Best Return on Investment (Payscale). The University consists of four colleges: College of Aeronautics, College of Business, College of Engineering and Science and College of Psychology and Liberal Arts. Florida Tech offers more than 200 associate, bachelor's, master's and doctoral degree programs, as well as Ed.S. and certificate programs. Florida Tech has over 9,200 students including Melbourne campus, off-campus sites, and online programs and 424 faculty members. More than 70,000 students from more than 120 countries have earned degrees from Florida Tech. Notable alumni include five space shuttle astronauts, the first female four-star general in U.S. military history, and a

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National Teacher of the Year. Located on 130 subtropical acres in the City of Melbourne on Florida's "Space Coast," Florida Tech's campus is an Arbor Day Foundation-designated "Tree Campus USA." The Florida Tech campus is about 2 miles from Melbourne Airport, 6 miles from the nearest beach, 45 miles to the NASA Kennedy Space Center, and 75 miles to the Orlando area. The Milken Institute ranks the Palm Bay-Melbourne-Titusville, Florida, USA the No. 25 best-performing large city in the U.S.

All applications must be submitted through <https://www.fit.edu/employment/> (Florida Tech Employment webpage). Candidates should submit a single PDF document containing: 1. Cover letter, 2. Curriculum Vitae, 3. Statement of research experience and interests, 4. Statement of teaching experience and philosophy, 5. Diversity statement, and 6. Contact information for at least three references.

Applications received by **January 15, 2025** will be given full consideration, but the position will remain open until filled. Florida Tech is an equal opportunity employer. The Department is building a diverse faculty committed to teaching and working in a multicultural environment. Women, minorities, individuals with disabilities, and veterans are encouraged to apply.

For further information, please contact:

Dr. Troy Nguyen, *Department Head*, Department of Mechanical and Civil Engineering, via tnguyen@fit.edu.

EEO/AA Policy

Equal opportunity

Florida Tech does not discriminate on the basis of race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, pregnancy, parenting status, veteran status or retirement status in its activities and programs. In accordance with Title IX of the Education Amendments of 1972, Florida Tech does not discriminate on the basis of sex. Inquiries concerning the application of the non-discrimination policy may be directed to the Office of Title IX at John E. Miller Office Building (401QAD), 150 West University Blvd, Melbourne, FL 32901, TitleIXCoordinator@fit.edu,

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or 321-674-8885, or to the U.S. Department of Education Office for Civil Rights.

Americans with Disabilities Act

Please notify us at least five days in advance if a reasonable accommodation for a disability is needed by calling the Office of Human Resource at 321-674-8100.

Contact Information

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

Contact Troy Nguyen
Mechanical and Civil Engineering
Florida Institute of Technology
150 W University Blvd
Melbourne, FL 32901-6975

Phone Number 321-674-8256
Contact E-mail tnguyen@fit.edu