



September 11, 2023

Department of Mechanical Engineering Recruiting Plan for Open Rank Professor Tenure/Tenure Track Positions

1. Advertisement description – Aerospace and Mechanical Engineering

The Department of Mechanical Engineering at the University of South Florida invites applications for the following:

- 1) A tenured/tenure-track faculty position in Aerospace Engineering. Applicants with a background in aerospace vehicle design, aerospace structures, urban air mobility, avionics, aero- and astrodynamics, orbital mechanics, autonomous path planning, or space navigation are especially encouraged to apply.
- 2) A tenured/tenure-track faculty position in Mechanical Engineering. Applicants with a background in renewable energy, advanced manufacturing, robotics, autonomous systems, or data/AI-driven design are especially encouraged to apply.

Please clearly state in the subject line of your cover letter whether you wish to be considered for the Mechanical Engineering position or the Aerospace Engineering position (as part of our new Aerospace program). Applicants in the area of materials science will not be considered. Successful applicants may be hired at the Assistant, Associate, or Full Professor level and should plan to begin in Fall 2024. These positions require an earned doctorate from an accredited institution in Mechanical Engineering, Aerospace Engineering, or a closely related discipline. Candidates should have demonstrated excellence in scholarly research and publications, the potential for sustaining an externally funded research program, and a strong commitment to teaching and mentoring undergraduate and graduate students. Exceptional applicants with a sustained record of externally funded research, outstanding scholarly work, and publications, demonstrated excellence in teaching, and international recognition of their work will be considered for the rank of Associate or Full Professor.

The Department (<http://me.eng.usf.edu>) has 25 faculty members and offers B.S., M.S., and Ph.D. degrees in Mechanical Engineering. The Department faculty members have collaborations with all departments in the College of Engineering, as well as the Colleges of Medicine, Arts & Sciences, Marine Science, Education, Nursing, and Public Health. The Department also has strong ties with numerous USF centers, including the Nanotechnology Research and Education Center (<http://www.nrec.usf.edu>), Center for Urban Transportation Research (<https://www.cutr.usf.edu>), Center for Assistive Rehabilitation Robotics & Technologies (<http://carrt.eng.usf.edu>), Clean Energy Research Center (<http://cerc.eng.usf.edu>), H. Lee Moffitt Cancer Center, and Global Center for Hearing and Speech Research. **We are also in the process of introducing a Minor Degree Program in Aerospace Engineering by Fall 2023, and a Major Degree Program in Aerospace Engineering and Dual Major Program in Mechanical and Aerospace Engineering by Fall 2024.**

Established in 1964 and currently led by Dean Robert H. Bishop, the College of Engineering at the University of South Florida is ranked #56 among public institutions (#85 overall) by [U.S. News & World Report's 2023-2024 engineering graduate school rankings](#). The college serves more than 7,500 students, offering 11 bachelor's programs, nine of which are ABET-accredited, as well as 13 master's and eight doctoral degrees. The college is actively engaged in local and global research activities with \$42.9 million in research expenditures for the fiscal year 2021-2022. The college has 12 major research centers and institutes and is actively engaged in local and global research activities focused on sustainability, biomedical engineering, computing technology and transportation.



The University of South Florida is a high-impact global research university dedicated to student success. Over the past 10 years, no other public university in the country has risen faster in U.S. News and World Report's national university rankings than USF. Further, USF joined the American Association of Universities (AAU) in 2023. Serving more than 50,000 students on campuses in Tampa, St. Petersburg and Sarasota-Manatee, USF is designated as a Preeminent State Research University by the Florida Board of Governors, placing it in the most elite category among the state's 12 public universities. USF has earned widespread national recognition for its success graduating under-represented minority and limited-income students at rates equal to or higher than white and higher income students. USF is a member of the American Athletic Conference. Learn more at www.usf.edu.

An application package should include a cover letter, detailed curriculum vitae, and names of at least four professional references. The cover letter should indicate the applicant's interest in a specific rank and area of research. In addition, an application should include a statement (totaling no more than 5 pages) of the applicant's research plans and teaching interests. A description of broader impacts should be included in the research plan. Applicants must electronically submit the application packet as a single PDF file to the following website: <https://www.usf.edu/work-at-usf/careers/index.aspx> For consideration, please apply to the appropriate position level (**Assistant Professor, search Job ID#35065, Associate Professor, search Job ID#35066, Full Professor, search Job ID#35067**). Applications will be considered starting immediately until the positions are filled.

USF is an equal opportunity, equal access academic institution that embraces diversity in the workplace. The University of South Florida does not discriminate on the basis of age, disability, genetic information, national origin, pregnancy, race/color, religion, sex, sexual orientation, gender identity, or any other unlawful basis. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272 at least five working days in advance.