

Texas Tech University Edward J. Whitacre College of Engineering
Department of Mechanical Engineering
Tenure-Track Faculty Positions

DESCRIPTION

The DEPARTMENT OF MECHANICAL ENGINEERING in the Edward J. Whitacre College of Engineering at Texas Tech University (TTU) invites applications for a tenure-track faculty position beginning in the Fall of 2024. The Department intends to develop aerospace engineering programs. Preference will be given to applicants whose research focus has strong applications in aerospace engineering and align with the College of Engineering's major research thrusts. The areas of interest include (1) flight dynamics, controls, and robotics, (2) computational science (e.g., hypersonics, physics-based, or data-driven), and (3) materials & manufacturing (e.g., energy applications, high-pressure materials). This position is at the Assistant Professor level, but exceptional candidates with outstanding credentials and appropriate academic experience will be considered for the rank of Associate Professor/Full Professor.

EXPECTATIONS

The successful candidates will be expected to develop an externally funded, independent research program and collaborate with TTU faculty across various academic units. Candidates who have very strong records of scholarship supported by extramural funding, and who have the proven capacity or clear potential to bring externally sponsored research to TTU are encouraged to apply. Teaching courses at both graduate and undergraduate levels is essential. Experience working with diverse student populations and first-generation students is highly desirable. Professional service as well as service to the department, college, and the university is expected.

QUALIFICATIONS

Applicants must hold a doctoral degree in mechanical engineering, aerospace engineering, and/or a related field and provide a research statement relevant to the proposed research areas. The expected starting date is August 2024, although an earlier start date is possible. Applicants should submit a cover letter, a resume, a statement of research and teaching interests, and a list of at least three references. Review of applications will begin on September 1, 2023 and continue until the position is filled. Therefore, applications are still welcome after September 1, 2023 until the position is officially closed on the TTU job links. Electronic submission of application materials via <http://www.depts.ttu.edu/hr/workattexastech/> is required. Search postings for requisition # 33893BR.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering awarded 261 undergraduate, 28 MS and 13 PhD degrees in AY 2022-23. Department enrollment includes 800 undergraduate students and 150 graduate students. Among the 30 tenure-track, tenured, research professors and professors of practice, roughly 30% are women and minorities. In recent years, department faculty have been awarded nearly 4 million dollars

in externally sponsored research, of which 70% were from federal sources. Faculty are known for cited work on bio-inspired devices, computational mechanics, vortex dynamics, turbulence, microfluidics, nanoimprinting, physiological microstructure and translational nutrition, cardiovascular dynamics, nanomedicine, energetic and biological materials, and robust control methods. Department faculty recognitions and awards include membership in the US National Academy of Engineering and foreign Academies of Engineering and the Sciences, recognitions as Thomson-Reuters highly cited scholars, PECASE, Young Investigator DOD awards, and NSF CAREER awards. For more information about the mechanical engineering department, please visit <http://www.depts.ttu.edu/me/>.

The State of Texas has the resources and desire to become a leader in the disciplines of engineering, sciences, and knowledge-based careers in the nation and world. Texas Tech University is designated as a Hispanic-Serving Institution.

Interested applicants should submit their application electronically at the links below:

Mechanical Engineering Faculty Search – Requisition #33893BR

https://sjobs.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?partnerid=25898&siteid=5637&PageType=JobDetails&jobid=804286#jobDetails=804286_5637

For additional information regarding TTU or the Department of Mechanical Engineering and this position, please contact Professor Changdong Yeo, Changdong.Yeo@ttu.edu.

If you should need assistance with the application process, please contact our HR, Talent Acquisition office at hrs.recruiting@ttu.edu or 806-742-3851.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information or status as a protected veteran.

