

Texas Tech University Edward J. Whitacre College of Engineering
Department of Mechanical Engineering
Multiple 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 tenure-track faculty positions beginning in the Fall of 2022. Preference will be given to applicants whose research focus align with the College of Engineering's major research thrust all aspects of engineering in medicine and in all aspects of energy, including, batteries, fuel cells, superconductors, bioenergy, energy harvesting, and renewable energy. These positions are 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 and/or a related field and provide a research statement relevant to the proposed research areas. The expected starting date is August 2022, 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, 2021 and continue until the position is filled. Electronic submission of application materials via <http://www.depts.ttu.edu/hr/workattexastech/> is required. Search postings for requisitions 24762BR and 24916BR.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering awarded 305 undergraduate, 24 MS and 13 PhD degrees in FY 2020-21. Department enrollment includes 800 undergraduate students and 150 graduate students. Among the 28 tenure-track, tenured, research professors and professors of practice, roughly 30% are women and minorities. In recent years, department faculty have been awarded nearly 3 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.

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

Engineering in medicine

https://sjobs.brassring.com/TGnewUI/Search/Home/Home?partnerid=25898&siteid=5637#jobDetails=643647_5637

Energy

https://sjobs.brassring.com/TGnewUI/Search/Home/Home?partnerid=25898&siteid=5637#jobDetails=640089_5637

For additional information regarding TTU or the Department of Mechanical Engineering and this position, please contact Dr. Burak Aksak, burak.aksak@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.

As an Equal Employment Opportunity/Affirmative Action employer, TTU is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of our academic community. Texas Tech University recently surpassed the Hispanic student population threshold necessary for designation as a Hispanic Serving Institution (HSI). The university welcomes applications from minoritized candidates, women, veterans, persons with disabilities, and dual-career couples.