Tenure-Track Assistant/Associate Professor Position in Mechanical Engineering
Focus Area: Translational Biomechanics

The Department of Mechanical Engineering (www.me.udel.edu) at the University of Delaware (UD) invites applications for a tenure-track faculty position at the Assistant/Associate Professor level in areas of translational biomechanics. Application areas may include, but are not limited to, tissue biomechanics, mechanobiology, human motion and movement science, smart wearables, rehabilitation, bio-robotics, and medical device design. Ideal candidates with research interests in musculoskeletal and/or neuromuscular systems will join the multi-disciplinary team of faculty in the Center for Biomechanical Engineering Research (CBER) and Institute for Engineering Driven Health (IEDH). We seek ambitious, creative, and innovative individuals with interdisciplinary spirit and vision who have demonstrated excellence in research and have the drive to become leaders in their fields while maintaining high-quality teaching and mentoring activity.

The department consists of 31 faculty members actively engaged in the core research areas of biomechanics, clean energy and environment, composites and advanced materials, nanotechnology, and robotics and controls, with 2023 annual research expenditures of $8.5 million. Our undergraduate program (over 600 students enrolled) places a strong emphasis on real-world design and research. The graduate program (148 students enrolled) emphasizes the creation and dissemination of new impactful knowledge. In addition to hosting the Center for Fuel Cells and Batteries, Center for Biomechanical Engineering Research, Sociotechnical Systems Center and Center for Autonomous and Robotic Systems, we have strong ties with our top ranked Physical Therapy department and several strategic campus-wide institutions such as the Center for Composite Materials, the Institute for Engineering Driven Health, the Center for Research in Wind, the Delaware Biotechnology Institute, the Delaware Environmental Institute, and the Delaware Energy Institute. Campus-wide initiatives with translational and clinical biomechanics components include the Delaware Center for Musculoskeletal Research and Delaware Center for Translational Research.

The University of Delaware (www.udel.edu) combines a rich historic legacy in engineering with a commitment to undergraduate and graduate education. With external funding exceeding $200 million, the University ranks among the top 100 universities in federal R&D support for science and engineering. The 194,000-square-foot Harker Interdisciplinary Science and Engineering Laboratory includes shared laboratories for nanofabrication and advanced materials characterization and greatly expands opportunities for interdisciplinary research and education. The 272-acre STAR (Science, Technology and Advanced Research) campus offers even more opportunities for research, academic, and commercial development. The main campus in Newark, Delaware, provides the amenities of a vibrant college town with convenient access to the major cities of the East Coast.

Applicants must hold a Ph.D. in mechanical engineering or a closely related field. Please submit applications online following this link. Applications must include a cover letter, curriculum vitae,

a description of research interests, teaching experience and interests, and the names and contact information of at least three references. Questions may be addressed to the search committee chair, Professor Liyun Wang, at lywang@udel.edu. Review of applications will begin on December 15, 2023, and the search will continue until the position is filled.

Equal Employment Opportunity

The University of Delaware is an equal opportunity/affirmative action employer and Title IX institution. UD recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds, and this is a primary goal for the department. We provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. For the University's complete non-discrimination statement, please visit www.udel.edu/aboutus/legalnotices.html

Notice of Non-Discrimination, Equal Opportunity and Affirmative Action

The University of Delaware does not discriminate against any person on the basis of race, color, national origin, sex, gender identity or expression, sexual orientation, genetic information, marital status, disability, religion, age, veteran status or any other characteristic protected by applicable law in its employment, educational programs and activities, admissions policies, and scholarship and loan programs as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, and other applicable statutes and University policies. The University of Delaware also prohibits unlawful harassment including sexual harassment and sexual violence.