MECHANICAL, AEROSPACE AND BIOMEDICAL ENGINEERING

Tenure Track Position in Mechanical or Biomedical Engineering

The Department of Mechanical, Aerospace and Biomedical Engineering (MABE) at The University of Tennessee, Knoxville invites applicants for at least one tenure-track position at the rank of Assistant or Associate Professor in Mechanical or Biomedical Engineering. Candidates applying for this position are expected to have a strong commitment to teaching excellence at both the undergraduate and graduate levels, demonstrate research capabilities that will enable the development of externally funded research programs, and produce archival publications in leading scholarly journals. A Ph.D. is required in Mechanical or Biomedical Engineering or a related field of engineering.

Primary consideration will be given to those with capabilities and interests in various aspects of biomedical engineering spanning the principles of mechanical engineering, biological and material sciences and advanced manufacturing technologies. Specific emphasis will be given to candidates with proven experience at the emerging convergence between biomechanics at different length and time scales under in-vivo conditions, topology optimization and functionalization of biomedical implants with biosensors, brain-machine interface engineering and signal processing, data-sciences and artificial intelligence, and prognosis based personalized medicine. Ability to lead core research areas and comfort with convergent research within a team atmosphere is valued. It is expected that the candidate will develop graduate courses in her/his area of research to complement the departmental growth. However, all outstanding candidates possessing a strong background in fundamental science and engineering relevant to aerospace and/or mechanical engineering will be considered as at least one position is anticipated.

The College of Engineering is undergoing a period of substantial growth in both physical infrastructure and research expenditures as it seeks to become a Top-25 ranked Public Institution. The College presently has seven departments with 163 faculty, 3,340 undergraduates and 1,134 graduate students. The Department currently has 34 tenure track faculty and enrolls some 1,267 undergraduate and 194 graduate students. Research expenditures in the department are currently at $12M per year. Extensive opportunities for collaborative research exist at UTK and the surrounding region including the Oak Ridge National Laboratory and the UT Medical Center. More information regarding the Department may be found at http://www.engr.utk.edu/mabe/.

Review of applications will begin January 7, 2019, and will continue until the position is filled. The anticipated start date of the new position is August 1, 2019. Salary is commensurate with the position and experience of the applicant. Applications must include (1) a concise letter of intent outlining the applicant’s research and teaching goals and objectives; (2) a comprehensive curriculum vitae; (3) a statement of research and teaching interests; and (4) the names, addresses and telephone numbers of at least five references. The application package should be submitted as a single document. The required method of application or nomination is by email to mabembresearch19@utk.edu. Inquiries into this search should be addressed to the Search Chair, Associate Professor Chad Duty at this email address.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.