

MECHANICAL, AEROSPACE AND BIOMEDICAL ENGINEERING
Two Tenure-Track Positions in Aerospace Engineering Available

The Department of Mechanical, Aerospace and Biomedical Engineering (MABE) in the Tickle College of Engineering (TCE) at the University of Tennessee, Knoxville (UTK), invites applicants for two open positions at the rank of associate or assistant professor in aerospace engineering. For exceptional cases, tenure upon arrival will be considered. Responsibilities include teaching engineering courses at both the undergraduate and graduate levels, conducting research in engineering, developing externally funded research programs, and producing archival publications in leading scholarly journals. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. It is expected that the candidate will develop graduate courses in her/his area of research to complement the departmental growth. A PhD in mechanical or aerospace engineering or a related field is required at time of the appointment.

Primary consideration will be given to those with capabilities and interests in Computational Fluid Dynamics (CFD), Computational Aerodynamics, Rocket and Jet Propulsion, Electrified Aircraft Design and Multi-disciplinary Design Optimization (MDO). The department is actively growing its aerodynamic and propulsion science core. All outstanding candidates possessing strong backgrounds in these areas relevant to mechanical and/or aerospace engineering will be considered as two positions are anticipated. In addition to research in these areas, it is expected that the candidate(s) will teach aerospace propulsion or aerodynamics at both graduate and undergraduate levels.

The University of Tennessee Tickle College of Engineering has the fastest growing PhD program among the Top 40 public colleges of engineering and is ranked 32nd amongst public institutions in 2022. The departments of TCE are nationally recognized, with a US News ranking of 6 for nuclear engineering, 29 for mechanical, aerospace, and biomedical engineering, 48 for chemical and biomolecular engineering, and 58 for biomedical engineering among public institutions. The TCE 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 186 faculty members, 3,393 undergraduates and 1,155 graduate students. The department currently has 59 faculty members and enrolls some 1,331 undergraduate and 182 graduate students. Research expenditures in the department are currently at \$15M per year. Extensive opportunities for collaborative research exist at UTK and the surrounding region including University of Tennessee Space Institute (UTSI), Oak Ridge National Lab, AEDC, AMDEC, and NASA-Marshall. More information regarding the department may be found at mabe.utk.edu.

Review of applications will begin in January 2023, and will continue until the position is filled. The anticipated start date of the new position is August 1, 2023. 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. Applications should be submitted through Interfolio (<https://apply.interfolio.com/117297>). Inquiries about this search should be addressed to the Search Chair, Professor Hans DeSmidt, at the email address AESearch2023@utk.edu.

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 and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status, or any other characteristic protected by federal or state law. In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, the University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the university. Inquiries and charges of violation of Title VI (race, color, and national origin), Title IX (sex), Section 504 (disability), the ADA (disability), the Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone 865-974-2498. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.