**Position Summary and Qualifications**

Position Title: Assistant/Associate/Full Professor of Mechanical Engineering

Index Number: 210426

Position Number: 133120

Salary and Rank: Salary and rank commensurate with qualifications and experience

Nature of Positions: Nine (9) month tenure-track or tenured, expected starting date August 1, 2024

Required Qualifications: An earned doctorate from an accredited institution in mechanical engineering or a closely related field by the start date of employment. The ability to perform the essential functions. The ability to communicate effectively and to develop and maintain an effective working relationship with faculty, students, administrators, staff and public.

Preferred Qualifications: In addition to the doctorate degree, the bachelor’s degree in Mechanical Engineering from an accredited institution is preferred. Prior teaching and or post-doc experience.

Essential Functions: Teach undergraduate and graduate courses in mechanical engineering, engage in scholarly activities, develop externally funded research programs, advise undergraduate students, direct research students at the B.S., M.S. and Ph.D. levels, serve on committees, engage in professional and public service. We are seeking qualified candidates in all areas of mechanical engineering, with particular interest in the following areas:

* Energy/Thermal Systems and Experimental Thermal-Fluid Sciences area. Renewable Energy, Energy Storage and Nuclear Energy. Materials Science and advanced materials and structures.
* Other cutting-edge research areas supporting the mission of the Mechanical Engineering Department and College of Engineering.

Direct student research, leading to publications in refereed journals and other peer reviewed media. Advise undergraduate and graduate students. Serve on department, college, and university committees. Participate in professional and public service activities. The ideal candidate is one who shares the mission and vision of the Department, College, and University and helps the university grow. More information about the department’s academic programs and research can be found at https://www.tntech.edu/engineering/programs/me/

About Tennessee Tech: As a comprehensive public university with over 10,000 students, Tennessee Tech is a leading university in the south. As one of the eight schools and colleges at the University, the College of Engineering is home to three Research Centers of Excellence and eight academic programs offering B.S., M.S., and Ph.D. degrees. The Department of Mechanical Engineering is housed within the College and is the largest undergraduate program by enrollment at the University. The University is on a growth trajectory in science and engineering with several exciting initiatives including 1) two new buildings in engineering, 2) new recurring annual investment from the State of Tennessee in excess of $3.5M, and 3) Several new faculty positions expected to be added to the College of Engineering in the upcoming year.

Application Procedure: Applicants are required to electronically submit all of the following through <https://jobs.tntech.edu>: 1) Cover letter that includes discussion of candidate’s philosophy of education, candidate’s experience, why the candidate is interested in the position, and any special attributes the candidate would bring to the department and the college. 2) One page statement of teaching philosophy. 3) Statement of Research Interests, including potential funding sources. 4) Curriculum Vitae. 5) Unofficial transcripts for all degrees (official transcripts sent directly from the degree granting institutions will be required later, prior to hiring). 6) contact information for three professional references that will be contacted to provide a reference letter if selected for interview.

Questions can be directed to Dr. Mohan Rao, Chair, Mechanical Engineering Department, Box 5014, Tennessee Technological University, Cookeville, TN 38505 ([mrao@tntech.edu](mailto:mrao@tntech.edu), 931-372-3254). TTU will only hire U.S. citizens and aliens lawfully authorized to work in the U.S. All new employees will be required to complete an employer’s verification form, I-9, no later than three (3) days from the date of hire.

Application Screening Date: Screening will begin November 20, 2023. Applications will be accepted until the position is filled.

Tennessee Tech is an Equal Opportunity/Affirmative Action employer.