

Assistant Professor of **Mechanical Engineering**

Summary/Duties:

The Mechanical Engineering Department at The University of Memphis invites applications for a tenure-track faculty position at the rank of Assistant Professor, starting August 2025. The appointed faculty member will undertake research and teach undergraduate and graduate courses in all areas related to **advanced manufacturing, with particular interest in fatigue and fracture of metal additively-manufactured parts.**

Qualifications:

A Ph.D. degree in Mechanical Engineering or a closely related field by the expected start date. Advanced ABDs will be considered, but doctoral degree must be earned by the start date of the position.

Information about the City, University, College, and Department:

The city of Memphis is an attractive location in Tennessee and is world-renowned for its music, food, and hospitality. Memphis is home to three Fortune 500 companies (FedEx, International Paper, and AutoZone) and has a strong presence in the health, biomedical devices, transportation, automotive, aero-propulsion, and entertainment industries. The Department and the Herff College of Engineering have many partnerships with these and other local industries for both research and education applications.

The University of Memphis is the largest public university and engineering program in western Tennessee, with an enrollment of about 22,000 students and is as one of two flagship Carnegie R1 public institutions in the State of Tennessee. The Herff College of Engineering at The University of Memphis is nationally ranked in both its undergraduate and graduate programs. Our mission is to educate students from diverse backgrounds through multi-disciplinary approaches. The Department and College comprise a diverse and international community of faculty, students, and staff who recognize that diversity and inclusion enrich learning, fuel discovery and creativity, launch innovation, and develop the next generation of engineering leaders.

The Department currently has 14 faculty members and an enrollment of about 350 students pursuing B.S., M.S., and Ph.D. degrees. A state-of-the-art Metal Additive Manufacturing Laboratory which houses two laser powder bed fusion printers and the Fatigue and Fracture Research Laboratory which houses several servo-hydraulic uniaxial and multiaxial fatigue testing machines are available. Information about these and other research laboratories can be found on the department website, <https://www.memphis.edu/me/>. A new research building that houses the Advanced Manufacturing research Laboratory and other research laboratories, which was opened in September 2024, complements the existing research laboratories. The Department provides many opportunities for strong synergistic collaborations and development of innovations. Additional information about the Department and the College may be found at <http://memphis.edu/herff/>.

How to Apply:

Candidates must submit their application through <https://workforum.memphis.edu/>. Click on the full-time faculty menu to find the faculty posting. Direct link to the posting is at <https://workforum.memphis.edu/postings/42014>. Applications must include (1) a brief letter of interest, (2) a statement of research accomplishments and plans, (3) a teaching statement, (4) a comprehensive

curriculum vitae, and (5) the full names and contact information (address, phone number, and e-mail address) for three professional references.

Screening of applications will begin November 1, 2024 and will continue until the position is filled.

The University of Memphis is an Equal Opportunity/Affirmative Action Employer.