

**Open Rank Tenure Track Faculty Position**  
**Department of Mechanical and Aerospace Engineering**

The Department of Mechanical and Aerospace Engineering (<https://mae.osu.edu/>) at The Ohio State University invites applications for a tenure track faculty appointment in the areas of engineering social justice.

**University Overview:** [The Ohio State University](https://osu.edu/) prides itself on being a model 21st-century public, land grant, research, urban, community engaged institution. Ohio State is a top-20 public university, enrolling over 60,000 students, and its Ohio State Wexner Medical Center is one of America's leading academic health centers and recently ranked as one of Forbes' best U.S. employers for diversity. The Ohio State University is in Columbus, Ohio. As the nation's 14th largest city, Columbus invites and embraces cultural and economic diversity. Read more at ([Experience Columbus](#)).

**College Overview:** The [College of Engineering](#) offers 14 undergraduate and 13 graduate programs in 12 departments or centers, as well as, three undergraduate and four graduate degrees in the Knowlton School of Architecture, to approximately 10,000 students. The college has recently expanded its degree offerings with a BS in Engineering Technology available on the regional campuses of the university. The college is one of the largest in the field with 405 faculty. The college has 14 National Academy of Engineering members and numerous members of societies and award recipients. In fiscal year 2020, the college had nearly \$138.5 million in externally sponsored research expenditures. Industry R&D expenditures for the College of Engineering in fiscal year 2020 totaled nearly \$44 million.

**Columbus Overview:** As the nation's 14th largest city, Columbus invites and embraces cultural and economic diversity. We are home to Fortune 500 companies, world-class research institutes, top-ranked hospitals, and the state's capitol. The city was named the 2015 "Intelligent Community of the Year" by the Intelligent Community Forum, called a "Midwestern style capital" by the New York Times and one of the top ten "Best Places to Live" by Money Magazine. Columbus is home to multiple dynamic arts districts. Read more at ([Experience Columbus](#)).

**Department Overview:** The Department of Mechanical and Aerospace Engineering is one of the largest departments in the College of Engineering at The Ohio State University. We are home to nearly 80 faculty and over 35 dedicated staff members. Approximately 1900 undergraduates are pursuing a degree in either Mechanical or Aerospace Engineering through rigorous programs that feature hands-on, project-based learning. Nearly 300 graduate students are seeking a degree in either Mechanical, Aerospace, or Nuclear Engineering. Our innovative and creative faculty adhere to the philosophy that true innovation depends upon the cooperation of academia, industry, and government working together to advance the goals of science and technology. Our students and faculty regularly collaborate with colleagues in other departments in the College of Engineering and with multiple other colleges across campus. Strong research relationships exist with the Air Force Research Laboratory, NASA Glenn Research Center, GE Aviation, Honda of America, and numerous other industrial partners. Department faculty have over \$26 million in sponsored research expenditures in areas such as advanced transportation systems (automotive and aerospace), energy and environmental quality, materials and manufacturing, micro- and nanotechnology, nuclear energy, and bioengineering while providing leadership for the Center for Automotive Research, The NSF IUCRC Smart Vehicle Concepts Center, the Aerospace Research Center, the Simulation Innovation and Modeling Center, and the Nuclear Reactor Laboratory.

This position is also highly synergistic with the mission of the Department of Engineering Education (EED) at OSU. EED was created in November 2015 and the Ph.D. program was approved in Spring 2018. EED's mission includes advancing the engineering profession and enabling student success by: (1) contributing to developing world-class scholarship in engineering education; (2) modeling and advocating scholarly, evidence-based teaching within the College of Engineering; and (3) developing and delivering state-of-the-art, innovative, multidisciplinary courses and programs in first-year engineering, engineering technical communication, multidisciplinary capstone design, and graduate education in engineering education. Looking towards the future, EED is positioned to grow and establish stronger connections across the College of Engineering and the field.

**Position Overview:** The Department of Mechanical and Aerospace Engineering (MAE) at The Ohio State University (OSU) seeks outstanding applicants for a full-time tenure-track faculty position with a focus on candidates working at the intersection of Engineering and Social Justice. Applications will be accepted at all ranks. Underrepresented minorities and

women are especially encouraged to apply. MAE at OSU seeks to make positive contributions to a just and equitable society at the local, national, and international levels through education and research in areas like design, mobility, energy, biomedical technologies, education, and manufacturing. Example areas of research interest could include but are not limited to: socially responsible and equitable design of products and systems; engineering design for under-served or under-resourced communities; humanitarian engineering; societal and environmental impacts of emerging research in mobility, energy, automation, robotics; and understanding and addressing racial, gender, and ethnic disparities in health and education outcomes. Research and education efforts aimed to improve diversity & inclusion in mechanical and aerospace engineering education are also of interest. Candidates should have a Ph.D. in Mechanical Engineering or appropriate discipline and a commitment to promoting diversity and inclusion in all areas of education and research. Depending on the individual interests of the candidate, there is a possibility of a joint appointment with the Department of Engineering Education.

### **Required Qualifications**

- Doctoral degree with a major in Mechanical Engineering, Aerospace Engineering, Electrical Engineering, Engineering Education, or a closely related field

### **Desired Qualifications**

- Strong commitment to cultivating an equitable, diverse, and inclusive environment in all areas of scholarship, instruction, and outreach,
- Potential for, or the evidence of, the ability to secure federal and/or industrial support for innovative research.
- A commitment to interdisciplinary education and collaborative research

**How to Apply:** Interested applicants should submit an application in Academic Jobs Online:

<https://academicjobsonline.org/ajo/jobs/19907>. Please include a cover letter, curriculum vita, diversity statement (*describe experiences, current interests or activities, and/or future goals that promote a climate that values diversity and inclusion in one or more of the areas of scholarship, instruction and outreach*), statements of teaching and research interests, and names and contact information of three references for applicants at the rank of assistant professor) or 5 references for applicants at the rank of associate or full professor.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution, a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC) and have an excellent partner in The Ohio State University Wexner Medical Center.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other bases under the law.

**Application deadline:** Review of applications will begin October 18, 2021 and continue until the position is filled.