

Tenure-Track Faculty Position in Mechanical Engineering

The Mechanical Engineering Department at Wayne State University invites candidates to apply for two tenure-track faculty positions. We expect to make the appointment at the Assistant Professor level, but will consider exceptional senior-level candidates with a strong track record of major external funding and peer-reviewed publications.

Applicants must have an earned doctorate in mechanical or aerospace engineering or related fields with a concentration in one of the following two areas:

- 1) Energy storage systems, including expertise in battery systems, fuel cells, and related areas, implementation of artificial intelligence and machine learning in design and manufacturing, materials informatics and big data design, smart manufacturing, characterization and processing of materials, metal additive manufacturing processes, scalable and adaptable manufacturing processes.
- 2) Aircraft and rocket propulsion systems, unmanned systems flight dynamics, control and autonomy, supersonic and/or hypersonic experimental aerothermodynamics, aerodynamics, aerospace system design, and sustainable aviation fuel

Duties involve teaching at both undergraduate and graduate levels, introducing new courses in the applicant's respective field of expertise, developing a strong record of peer-reviewed journal publications, establishing an impactful and sustainable externally funded research program, supervising and mentoring both graduate and undergraduate students, and engaging in professional societies and university services.

The anticipated starting date of employment is August 16, 2024. This position is a 9-month appointment. All applicants must submit their applications through the WSU Online Hiring System at <https://waynetalent.csod.com/ux/ats/careersite/2/home/requisition/1559?c=waynetalent>

posting No. req1559. Electronic applications must include a letter of application; curriculum vita; names, addresses, and contact information for at least three references, a personal statement regarding teaching and research activities (limited to 3 pages), and selected refereed journal publications (limited to 3 papers). **Faxed or emailed applications will not be accepted.** The review of applications will begin on December 1, 2023 and the search will remain open until the position is filled. Salary and rank of position will be commensurate with qualifications and experience.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer.