



Job Description: Faculty position in the area of Intelligent Vehicle Systems

The Department of Mechanical Engineering invites applications for a tenure-track faculty position starting September 1, 2024. The position is at the Assistant Professor rank, but candidates with exceptional experience and qualifications may be considered at the rank of Associate Professor.

The Department of Mechanical Engineering offers a full range of educational programs, from undergraduate to Ph.D. levels, in the areas of mechanical, bio-, automotive and mobility, and materials engineering. A new 123,000 square foot laboratory building opened by the College of Engineering and Computer Science in 2021, as well as excellent laboratory facilities dedicated to various aspects of automotive and mobility systems, offer excellent opportunities for research and teaching. The Department has 25 full-time faculty members and expects a period of dynamic growth with active strategic hiring over the next several years. The department and College of Engineering and Computer Science value a culture of diversity, equity, and inclusion. We are committed to the development of diverse and culturally intelligent faculty who thrive and contribute to a positive and inclusive environment.

Qualifications:

Applicants must have a Ph.D. in Robotics, Computer Science, Electrical and Computer Engineering, Mechanical Engineering, or a closely related field. Candidates with expertise in machine learning, perception, sensor/localization, and motion planning in Autonomous Vehicles (AV) application are particularly encouraged to apply. Preference will be given to individuals with strong theoretical background and hands-on experience in implementing autonomous vehicle solutions within hardware and software systems. Industry experience will be considered as a plus.

Excellent teaching and communication skills as well as demonstrated research potential are essential. The successful candidate is expected to teach graduate and undergraduate courses in such areas of automotive and mobility system engineering as AV perception, AV Sensor and localization, and AV planning and navigation, establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, and engage in institutional and professional service.

Applications:

Applicants should send a cover letter, curriculum vitae, statements of teaching and research interests, and names and contact information for four references through Interfolio at <https://apply.interfolio.com/133672>.

The review of applications will start on October 30, 2023, but applications will be accepted until the position is filled.

The University of Michigan-Dearborn is an equal opportunity/affirmative action employer.

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.