

FACULTY POSITION IN CONTROLS/SOLID MECHANICS/BIOMECHANICS

The Department of Mechanical and Aerospace Engineering (MAE) at Case Western Reserve University is pleased to invite applications for a tenure-track faculty position, with an anticipated starting date on or after January 1, 2022. The position will be at the level of Assistant or Associate Professor, although appointment to Full Professor may be considered for candidates with a demonstrated excellent track record in scholarship and education, recognition from the research community, and the promise of continued distinction.

Founded in 1826, Case Western Reserve University is a private research university located in Cleveland, Ohio. The site of the famous Michelson-Morley interferometer experiment, the university is associated with 17 Nobel laureates. Case School of Engineering actively promotes interdisciplinary research collaboration through university-level institutes that are primarily focused on health care and energy. The MAE department has a renowned history of scholarly activities that have pushed the frontiers of mechanical and aerospace engineering, from microgravity to biologically-inspired robotics. In recent years, the faculty have successfully initiated cutting-edge research across a broad range of classical and emerging fields, including biomechanics, point-of-care, additive and sustainable manufacturing, data science, energy storage, thermal management, fire science and engineering, etc.

We seek an outstanding scholar who demonstrates a compelling vision and plan to successfully establish fundamental and competitively funded research programs that are well aligned with the Think Big strategic initiative of the university and contribute to the integration of humanity, diversity, and technology for significant social impact. Areas of interest include: Control and automation of cyber physical systems such as manufacturing; Solid Mechanics; or Biomechanics. A doctorate in Mechanical, Aerospace or a closely related Science/Engineering field is required. In addition, the successful candidate is expected to actively contribute to the educational missions of the department at both the undergraduate and graduate levels, and to engage in departmental, institutional, and professional service activities.

Applicants should submit a cover letter, curriculum vitae, statements on teaching and research, copy of three representative journal papers, and the names and contact information of at least four professional referees. In addition, applicants are asked to submit a statement explaining how their research, teaching, and/or service have contributed to diversity, equity and inclusion within their scholarly field(s) and/or how their individual and/or collaborative efforts have promoted structural justice inside and outside institutions of higher learning. This statement should also reflect on the ways in which the candidate's continued efforts will foster a culture of diversity, pluralism, and individual difference at Case Western Reserve University into the future. Please send these documents electronically in one PDF file to MAEfacultysearch@case.edu. Evaluation of applications will begin immediately and continue until the position is filled.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Equity at 216-368-3066 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.