



University at Buffalo

Department of Mechanical  
and Aerospace Engineering

School of Engineering and Applied Sciences

## SUNY Empire Innovation Chaired Professor

The Department of Mechanical and Aerospace Engineering (MAE) at the University at Buffalo invites candidates to apply for a *SUNY Empire Innovation Chaired Professor* position. The selected candidate will receive support through the SUNY Empire Innovation Program (EIP) which recognizes high caliber faculty with proven track records of externally funded research and scholarly contributions.

We invite prominent global leaders in several foundational areas in artificial intelligence and robotic systems, including *machine learning, autonomous systems, smart transportation, human-robot collaboration, and smart manufacturing.*

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students and maintain an active research program. We are particularly looking for candidates who can operate effectively in a diverse community of student and faculty and share our vision of helping all constituents reach their full potential.

The Department of Mechanical and Aerospace Engineering offers BS degrees in Mechanical Engineering and Aerospace Engineering, minors in Robotics and Manufacturing, a BS/MBA, a MS in Robotics, as well as MS and PhD programs in Mechanical and Aerospace Engineering. The department has over 35 tenured/tenure-track faculty, 8 teaching faculty, and approximately 1,200 undergraduate majors, 200 masters students, and 100 PhD students. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to bioengineering; computational and applied mechanics; design and manufacturing; dynamics, controls, and mechatronics; fluid and thermal sciences; and advanced materials. More details on the MAE Department and its affiliated institutes and centers can be found at [www.mae.buffalo.edu](http://www.mae.buffalo.edu).

The University at Buffalo (UB), a member of the prestigious American Association of Universities, is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 20,000 undergraduates and 10,000 graduate students and 1,600 fulltime faculty. The School of Engineering and Applied Sciences has 6,000 students enrolled across 9 academic departments. Recently established institutes such as the [AI Institute](#), [Sustainable Manufacturing and Advanced Robotic Technologies](#) (SMART), and [Research and Education in eEnergy, Environment and Water](#) (RENEW), as well the [Center for Multisource Information Fusion](#) (CMIF), the [Institute for Sustainable Transportation and Logistics](#) (ISTL), and [DoD's UTC Tier 1 Center on Transportation Informatics](#) provide many opportunities for multidisciplinary research collaboration across the university.

Significant state investments of over \$500M have been made regionally including in [Buffalo Manufacturing Works](#) and [43North](#), a startup and accelerator program. Buffalo, ranked #1 in Travel and Leisure Magazine's Friendliest cities in America, is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost-of-living.

Applicants must have an earned doctorate in Mechanical or Aerospace Engineering or in a relevant science or engineering discipline. Candidates must demonstrate excellence in research, teaching, service and mentoring. Candidates should be internationally recognized scholars as evidenced by peer-reviewed publications, citations and a sustained externally funded research program. Candidates must apply at <http://www.ubjobs.buffalo.edu> using posting number F1900104. The evaluation process will start on October 1, 2019 and will continue until the position is filled.