Multiple Faculty Positions in the Department of Mechanical and Aerospace Engineering

The Department of Mechanical and Aerospace Engineering (MAE) at the University at Buffalo, State University of New York (SUNY) invites applicants for multiple tenure-track faculty positions. These positions are at the Assistant Professor level; however other levels may be considered for exceptional candidates.

As part of recent strategic planning the department has identified special hiring needs in the following emerging areas:

- **Fluid and thermal sciences in the areas of environmental flows, biofluidics, micro/nano fluidics, and micro/nano heat transfer.**
- **Advanced manufacturing including additive manufacturing, material process modeling, digital manufacturing, nanoscale manufacturing, and manufacturing analytics.**

Candidates in these and related research areas are strongly urged to apply.

Applicants are expected to contribute to the core teaching and research missions in MAE. In particular, successful candidates will be expected to develop an independent, externally-funded, internationally-recognized research program, teach core MAE graduate- and undergraduate-level courses, develop new specialized MAE courses, supervise graduate research and contribute to departmental affairs.

The School of Engineering and Applied Sciences at Buffalo is the largest and most comprehensive of the SUNY engineering schools. The MAE Department currently has 29 tenure-track faculty and is expected to grow to 36 faculty within the next 3-5 years. Our faculty and students have access to world-class experimental and computational facilities and are active in multidisciplinary research initiatives on campus including the RENEW Institute (Research and Education in eNergy, Environment and Water), the Sustainable Manufacturing and Advanced Robotic Technologies (SMART) Community of Excellence, the Center for Computational Research, the Center for Multisource Information Fusion, the Center for Engineering Design and Applied Simulation, the Toshiba Stroke Research Center, the Clinical and Translational Research Center, and CUBRC’s Large Energy National Shock (LENS) tunnel facilities.

Applicants must have an earned doctorate in Mechanical or Aerospace Engineering or in a relevant science or engineering discipline with a dissertation in one of the representative department research areas. Ph.D. must be conferred prior to appointment. Applicants should submit a cover letter identifying their primary area of research, curriculum vitae, research statement, teaching statement, and names of at least three references via the UBJobs system, at [http://www.ubjobs.buffalo.edu](http://www.ubjobs.buffalo.edu), referencing posting number 1500718. The evaluation process will start on November 15, 2015 and will continue until the position is filled. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty, and share our vision of helping all constituents reach their full potential.

The University at Buffalo is an Equal Opportunity and Affirmative Action Employer.