The Department of Mechanical Engineering at the State University of New York at Binghamton invites applications for a tenure-track faculty position at the assistant professor level beginning Fall 2016. The area is mechanical systems and component design. Candidates must have a PhD in Mechanical Engineering or a closely related field.

The Department of Mechanical Engineering has undergraduate and graduate enrollments of approximately 400 and 110 students, respectively. The department has 21 faculty members. The Department of Mechanical Engineering and the Watson School are dedicated to the goal of building a diverse and inclusive teaching, research, and working environment. We are particularly interested in candidates with a commitment to diversity and inclusiveness. Potential applicants from underrepresented minorities, women and persons with disabilities, are strongly encouraged to apply. The successful candidate will have made research contributions in their respective areas, will be able to obtain competitive external research funding, and will have a potential for quality teaching at both the undergraduate and graduate levels in mechanical engineering.

The candidate’s research should complement existing Department research areas, as well as University-wide smart-energy and biomedical related research. The University-wide initiatives are described here: [http://www.binghamton.edu/tae/](http://www.binghamton.edu/tae/). Department research areas include sensors, acoustics and vibrations, MEMS, mechatronics, biomedical implant design optimization, energy control systems, electronic packaging, computational fluid mechanics, microfluidics, nanomaterials, and nanotechnology. The link to active research groups in the department is: [https://www.binghamton.edu/me/research/](https://www.binghamton.edu/me/research/)

The candidate will be expected to teach in one or more of the following areas: mechanical design, machine kinematics and design with laboratory, or manufacturing processes, especially additive manufacturing. Courses that have been offered by the department in these areas are:

**Undergraduate:** Machine Kinematics and Dynamics (ME 322), Materials and Manufacturing Processes (ME 361), Mechanical Engineering Design (ME 392), Applied Aerodynamics (ME 435), Manufacturing Systems Design (ME 471), Automotive Engineering (ME 480), and Senior Projects - Capstone (ME 493/494).

**Graduate:** Finite Element Analysis I (ME 517), Manufacturing Processes (ME 571), Mechanical Component Design (ME 584), Computer-Aided Design (ME 581), Advanced Computer-Aided Design (ME 582), and Finite Element Analysis II (ME 618).

In addition, the successful candidate is expected to develop courses in his or her area of interest.

Applicants must provide a cover letter, current curriculum vitae, a statement of research plans, a statement of teaching interests, and a list of at least three professional references, including addresses, e-mail and telephone numbers. Applications received by January 31, 2016, will receive full consideration. The search will remain open until an appointment has been made. Binghamton University is an Equal Opportunity/ Affirmative Action Employer.