



University of California, Berkeley  
Department of Mechanical Engineering

**Seeks Applications for a Tenure Track, Assistant Professor in Mechanical Engineering**

The DEPARTMENT OF MECHANICAL ENGINEERING, University of California, Berkeley, seeks applications for a tenure track, Assistant Professor position in the areas of Design, Robotics, Applied Energy Systems, and Nanoscale Systems Engineering. Topics of specialization within these areas include, but are not limited to: Design methods and innovation; flexible automation, human-robot interaction, and autonomous robots; combustion and primary energy conversion processes, energy-efficient processes with basis in thermodynamics and heat transfer; and nanoscale mechanics, materials, heat transfer process, and manufacturing, along with the appropriate analytical and computational capabilities. Specific applications of interest include: *Smart Manufacturing Systems* (e.g., modeling, simulation, monitoring, and control, novel additive and subtractive manufacturing processes, robotic-based flexible assembly and manufacturing); *Personalized Health and Well-being* (e.g., smart and personalized healthcare, health diagnosis, monitoring and maintenance, robot-based human assistance, smart rehabilitation and exercise technologies); *Energy Efficiency, Sustainability and Climate Change Resilience* (e.g., alternative energy technologies, efficient, sustainable and resilient water, food and energy production and distribution); *Aerospace Systems* (e.g., propulsion, flying cars and personal air vehicles, nano-satellites, and space robotics); and *Intelligent and Connected Devices* (e.g., product design, sensing, diagnostics and embedded systems).

*Basic Qualifications: Applicants must, at a minimum, be in the process of completing a doctoral dissertation or an equivalent degree at the time of application. Additional Qualifications: Applicants must hold a doctorate or equivalent degree by the start of the position. The requirement for appointment is Ph.D. or equivalent degree awarded.*

To apply, please go to the following link, <https://aprecruit.berkeley.edu/apply/JPF01192> and submit a cover letter, curriculum vitae, statement of research, statement of teaching, one required publication, and two optional publications. Applicants are required to provide information on past experience or future plans to advance diversity, equity, and inclusion. Additionally, please provide contact information for five professional references. We will only contact your references if you are shortlisted for the position, and we will seek your permission before doing so. All letters will be treated as confidential per University of California policy and California state law. Please refer potential letter-writers, including those who may provide letters via third party (i.e., dossier service or career center), to the University of California, Berkeley statement of confidentiality (<http://apo.berkeley.edu/evalltr.html>) prior to submitting their letters. The deadline to apply is **January 31, 2017**, and applications received after the deadline will not be considered. The expected start date of the successful candidate is July 1, 2017.

The department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. The department is committed to addressing the family needs of faculty, including dual career couples and single parents. For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit: <http://ofew.berkeley.edu/new-faculty>. The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.

For questions regarding this position, please contact: Debra Chin, [debramchin@me.berkeley.edu](mailto:debramchin@me.berkeley.edu)