



**University of California, Berkeley
Department of Mechanical Engineering
Seeks Applications for a Tenure-Track Faculty Position**

The DEPARTMENT OF MECHANICAL ENGINEERING, University of California, Berkeley, seeks candidates for a tenure-track faculty position at the Assistant Professor level, starting July 1, 2020 or on a mutually agreed date thereafter. The department seeks candidates with expertise in one or more of the following: Fluid Mechanics; Energy Science and Technology; Design and Manufacturing; and Control and Robotics.

The department is committed to fostering interdisciplinary research that can address societal grand challenges including but not limited to:

Aerospace systems interpreted broadly, including aviation and space exploration. Areas of interest include but are not limited to ultra-efficient propulsion technologies and thermal management, green aviation, high-speed and hypersonic flight, vehicle design including active structures and materials that may sustain extreme thermal and mechanical loads, navigation and sensing technologies, and orbital and flight dynamics and control.

Sustainable technologies and systems for enhancing energy efficiency and/or reducing environmental impact, including but not limited to solar power technologies, advanced wind turbines, wave power generation, storage and thermal management technologies that enhance power plant and energy conversion efficiency, green manufacturing, efficient water usage and desalination, and fundamental aspects of thermal sciences and energy conversion.

Autonomy and artificial intelligence for enhanced performance, safety and quality of life. Examples include the use of emerging technologies in AI, machine learning, data science, 5G communication, IoT, sensing and control, and/or computation among others in aerospace, industry 4.0 and smart manufacturing, smart mobility, smart energy systems, human-autonomous system interaction, and other mechanical engineering application domains.

We seek candidates with exceptional promise in research, teaching and service, who will proactively contribute to our department's commitment to diversity, equity and inclusion. We may consider possible joint appointments with other UC Berkeley departments or College of Engineering-affiliated institutes.

Diversity, equity, and inclusion are core values in the College of Engineering. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. Successful candidates for our faculty positions will have to demonstrate evidence of a commitment to equity and inclusion. A statement on your contributions to diversity, equity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion, if hired as a Berkeley faculty member, will be required as part of the application package. Please note that the statement may be evaluated as a standalone document. Financial and in-kind resources are available to pursue activities that help accelerate our efforts to achieve our equity and inclusion goals, with the full backing of the College. Guidelines to applicants on writing

effective statements that demonstrate commitment to diversity, equity, and inclusion can be found at: <https://ofew.berkeley.edu/recruitment/contributions-diversity/support-faculty-candidates>.

Examples of ongoing programming in the College are available at: <https://engineering.berkeley.edu/diversity>

Basic Qualifications: Applicants must have a Ph.D. (or equivalent international degree), or be enrolled in a Ph.D. or equivalent international degree granting program at the time of application.

Please provide names and contact information of three professional references who will send letters of recommendation. Recommenders providing letters of reference should submit them as early as possible, preferably by January 15, 2020. Candidates are responsible for asking their references to upload the letters as part of the online application process. 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 15, 2020 and applications received after the deadline will not be considered. The expected start date of the successful candidate is July 1, 2020.

The department is committed to addressing the family needs of faculty, including dual career couples and single parents. For more information please visit <http://ofew.berkeley.edu/new-faculty>. To learn more about the department please visit <https://www.me.berkeley.edu/>.

To apply, please go to <https://aprecruit.berkeley.edu/apply/JPF02376>.

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@berkeley.edu.