UC DAVIS
COLLEGE OF ENGINEERING

Faculty Positions in Mechanical and Aerospace Engineering Department
University of California Davis

The Department of Mechanical and Aerospace Engineering at the University of California Davis invites applications for two tenure-track faculty positions at the Assistant Professor level in these areas: 1) **Multibody & System Dynamics**, and 2) **Machine Design & Robotics**.

Multi-Body & System Dynamics: The Department has long-standing research strengths in multi-body & system dynamics, with applications to alternative powertrain and vehicle dynamics, manufacturing automation, biomechanics, space vehicle design, and autonomous/remotely-operated systems. The candidate is expected to have a strong background in dynamics, systems design and analysis, and controls as applied to one or more of these areas. The candidate is also expected to teach courses in his or her areas of expertise, as well as undergraduate and graduate courses including dynamics and systems design and analysis. The new position is expected to extend and complement existing efforts in these areas.

Mechanical Design & Robotics: Mechanical design and robotics are core areas of research focus in the Department. These fields are concerned with the design and integration of mechanical components with power sources, sensors and actuators, and software to reliably accomplish complex tasks. Applications may include (but are not limited to) design of machines and equipment, novel manufacturing systems, field applications of robotics such as in automated highway maintenance, robotic vehicles and autonomous systems, use of unmanned aerial vehicles, and space applications of robotics. The candidate is expected to have a strong background in mechanical design and robotics as applied to one or more of these areas. The candidate is also expected to teach courses in his or her areas or expertise, as well as undergraduate and graduate courses in mechanical design and robotics. The new position is expected to extend and complement existing efforts in these areas.

UC Davis is a comprehensive university for innovation, transforming lives, and strengthening California's global leadership. Through academic collaboration and strategic partnerships, UC Davis leads innovation at the intersection of the world's most critical issues, including food, water, health, society, energy, and the environment. UC Davis was ranked #10 among all public universities by US News & World Report in 2019. Among all universities nationwide, UC Davis was ranked #30 in terms of total research & development expenditures by the National Science Foundation in 2017.

Davis is a pleasant, family-oriented community in a college-town setting with excellent public schools, a mild climate, and agricultural surroundings. The town is ideally located for many professional, cultural, and recreational activities. Davis is only 15 miles from California's capital city of Sacramento and is within easy driving distance of the San Francisco Bay Area, the Sierra Nevada mountains, Napa and Sonoma Valleys, and the Pacific Coast areas.

To be considered, applicants must have a PhD degree or equivalent in mechanical engineering, aerospace engineering, or a related field. Applicants must be able to teach and develop undergraduate and graduate

courses in mechanical and/or aerospace engineering. Candidates whose research interests complement and extend existing research strengths are particularly encouraged to apply.

Interested candidates should submit all materials via the web-based, online submission system at ***https://recruit.ucdavis.edu/JPF02703***. Required materials include a CV, research and teaching statements, names and contact information for three references and a Statement of Contributions to Diversity that highlights past efforts to encourage diversity (http://academicaffairs.ucdavis.edu/diversity/equity_inclusion/index.html). Inquiries should be directed to:

Professor Rida T. Farouki
Search Committee Chair
Multibody & System Dynamics – Machine Design & Robotics
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The positions are open until filled, but to ensure full consideration, **applications must be received by May 31, 2019.**

UC Davis is an affirmative action/equal employment opportunity employer, is a NSF ADVANCE institution, and is dedicated to recruiting a diverse faculty community. UC Davis welcomes all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.