FACULTY POSITION IN COMPUTATIONAL MECHANICS

The Department of Mechanical Engineering seeks to fill a tenure-track position at the Assistant Professor level in the area of computational mechanics starting Fall 2020. Candidates with expertise in enhancing computational mechanics by employing machine learning and data-driven modeling are especially encouraged to apply. Mechanical Engineering (https://mechanical.sdsu.edu) is one of four departments in the College of Engineering (https://engineering.sdsu.edu) at San Diego State University. It offers an EAC ABET-accredited B.S. degree program, as well as M.S. and joint Ph.D. programs. The department has internationally recognized programs in energy and thermofluids, bioengineering, material science and processing, mechanics, MEMS, NEMS, sensors, robotics, dynamic systems and control. It is anticipated that the person will develop synergies with areas of existing research strength and exploit emerging areas of research by developing a vigorous externally funded research program in the general area of computational mechanics. A demonstrated ability to collaborate across disciplinary boundaries is essential. The department shares with the College of Engineering and the University a strong commitment to excellence in undergraduate and graduate education. The successful hire is expected to supervise teams of undergraduate as well as graduate students. Applicants must have a demonstrated ability to teach undergraduate and graduate level courses in mechanics and computational methods, and other related areas of mechanical engineering. Additional required criteria are listed in the paragraph below.

San Diego State University (https://sdsu.edu) is the largest university in San Diego and the third largest in California. The highly diverse campus community has a student population of over 36,000 and approximately 6000 faculty and staff. SDSU is currently designated as a Doctoral/Research-Intensive University by the Carnegie Foundation. SDSU is designated as a Hispanic-Serving Institution with a strong commitment to diversity, equity, and inclusive excellence. Our campus community is diverse in many ways, including race, religion, color, sex, age, disability, marital status, sexual orientation, gender identity and expression, national origin, pregnancy, medical condition, and covered veteran status. We strive to build and sustain a welcoming environment for all. SDSU is especially seeking applicants who (a) are engaged in service with underrepresented populations in engineering, (b) demonstrate knowledge of barriers for underrepresented students and faculty in higher education, (c) have experience or demonstrated commitment to teaching and mentoring underrepresented students, (d) integrate understanding of underrepresented populations and communities into research, (e) extend knowledge of how to achieve scholarly success as a member of an underrepresented group, (f) are committed to research that engages underrepresented communities, (g) show expertise in cross-cultural communication and collaboration, and (h) have research interests that contribute to diversity and equal opportunity in higher education. Successful applicants are expected to meet at least three of these eight criteria. Please indicate clearly in your application how you meet these criteria.

The city of San Diego enjoys a mild climate year-round and is a family-friendly urban environment. The metropolitan area is the hub of several leading industries, including major energy companies, aerospace

companies and biotech companies, and it offers extensive opportunities for developing industrial research partnerships.

Applicants must have an earned Ph.D. degree in mechanical engineering or a closely related discipline. Applications received by January 20, 2020 will receive full consideration; the position will remain open until filled. Candidates must apply via Interfolio at https://apply.interfolio.com/72480. Questions related to this search may be addressed to mech.engineering@sdsu.edu

The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

SDSU is a Title IX, equal opportunity employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, gender identity and expression, marital status, age, disability, pregnancy, medical condition, or covered veteran status.