

Department: Mechanical Engineering

Faculty Hire Number: #23-17

Rank: Assistant Professor

Effective Date of Appointment: Fall 2023 (Subject to Budgetary Approval)

Salary: Dependent upon qualifications

CSUN's Commitment to You:

CSUN is committed to achieving excellence through teaching, scholarship, learning and inclusion. Our values include a respect for all people, building partnerships with the community and the encouragement of innovation, experimentation, and creativity. CSUN strives to cultivate a community in which a diverse population can learn and work in an atmosphere of civility and respect. CSUN is especially interested in candidates who make contributions to equity and inclusion in the pursuit of excellence for all members of the university community.

For more information about the University, visit: <http://www.csun.edu>

About the College:

For more information about the College of Engineering and Computer Science, see:
<https://www.csun.edu/engineering-computer-science>

About the Department:

For more information about the Department of Mechanical Engineering, see:
<https://www.csun.edu/engineering-computer-science/mechanical-engineering>

Position:

The department of mechanical engineering at California State University, Northridge (CSUN) is seeking a tenure-track faculty member in autonomous systems, robotics, and mechatronics areas at the rank of Assistant Professor.

The successful candidate will teach courses in areas of kinematics and dynamics, mechatronics, and robotics, and have research interests in robotics, dynamics and controls, and automation (sensor technology and instrumentation). In addition to teaching, the position requires weekly office hours, attending faculty meetings, and service to the department, college, and university. The successful candidate will be held to the standards and requirements of the college and department in which he/she/they is/are housed for recommending tenure and promotion. Candidates should be able to teach the core content of the Mechanical Engineering curriculum at the undergraduate and graduate levels, as well as possess the ability to develop and supervise hands-on projects for the senior design culminating experience. In line with CSUN's instructional approach, candidates should develop proficiency with learning-centered and active learning strategies and demonstrate a commitment

to implementation of these in the curriculum. Additionally, candidates should demonstrate experience or a willingness to pursue evidence-based approaches that promote retention of students from culturally diverse backgrounds.

The ability to develop and conduct an effective multidisciplinary research program in one of the research areas highlighted above should be evident. Candidates are expected to pursue external funding from the state, federal, and private entities, supervise student research at the undergraduate and graduate level, and publish in reputable peer-reviewed journals. Applicants must demonstrate a commitment and ability to teach, mentor and work with an ethnically diverse student population. Proficiency in both written and oral communication in English is required.

Required Qualifications:

As a Hispanic-Serving Institution (HSI), inclusiveness and diversity are integral to CSUN's commitment to excellence in teaching, research, and engagement. As of Fall 2020, CSUN enrolls ~40,000 students, where 56% are Latinx, 20.8% are White, 9.3% are Asian-American, 4.8% are Black/African American, 0.1% are Native American, and 0.1% are Native Hawaiian or Pacific Islander. The successful candidate will help the Department achieve equitable outcomes for all students through teaching, student mentorship, scholarship, and service.

- Ph.D. in Mechanical Engineering, Mechatronics, or a closely-related field from an accredited institution by the date of appointment (ABDs may apply, but the doctorate must be completed by the date of appointment).
- Undergraduate degree in Mechanical Engineering or a closely-related field from an accredited institution.
- College or university-level teaching experience in a related field (kinematics, dynamics, mechatronics, robotics), both in-person and online.
- Evidence of research publications in peer reviewed journals and/or conference proceedings (publications evidence in the related field within the past 3 years).

Preferred Qualifications:

- Evidence of effective engagement or potential to engage with a diverse student body
- Evidence using culturally responsive pedagogy that leads to equitable outcomes of all students
- Evidence creating student-centered learning environment
- Research/lab experience that includes working with students from diverse backgrounds
- Experience adopting inclusive approaches to mentoring
- Post-doctoral or industry experience in the USA
- A record of receiving grant funding or potential for receiving external funding from state, federal, and private companies.

Application Deadline:

Screening of applications will begin on **Nov 17th, 2022**. Priority will be given to applicants who meet the screening deadline; however, the position will remain open until filled.

How to Apply:

Candidates should apply by completing the CSUN online application. To apply and for more detailed information on the application and hiring process, please visit this link: www.csun.edu/careers.

Applicants must submit a cover letter that specifically addresses the following: 1) how you would make a unique contribution to the department; 2) a preliminary plan for establishing your independent research

program; 3) your experience working with a culturally diverse population. Applicants must submit the cover letter, curriculum vitae, a research statement, a teaching statement, and the names, titles, addresses, and telephone numbers of at least three referees who can address the candidate's teaching, research, and service qualifications. In later phases of the search process, applicants who are selected for the campus interview may be requested to provide additional materials, including letters of recommendation, verification of terminal degrees, licenses and certificates, professional work samples and evidence of student mentoring

At the time of appointment, the successful candidate, if not a U.S. citizen, must have authorization from the United States Citizenship and Immigration Services (USCIS) to work in the United States.

General Information:

In compliance with the Annual Security Report & Fire Safety Report of Campus Security Policy and Campus Crime Statistics Act, California State University, Northridge has made crime-reporting statistics available online [here](#). Print copies are available by request from the Department of Police Services, the Office for Faculty Affairs, and the Office of Equity and Diversity.

The person holding this position may be 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.

As a condition of employment, all employees need to certify vaccination status by attesting they are fully vaccinated, need a medical exemption, need a religious exemption, or are not working on campus. You can obtain more information about or access the full vaccination policy [here](#).

In accordance with the California State University (CSU) Out-of-State Employment Policy, the CSU is a state entity whose business operations reside within the State of California and prohibits hiring employees to perform CSU-related work outside of California.

CSUN is an Equal Opportunity Employer and prohibits discrimination based on race, color, ethnicity, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, and disability. Our nondiscrimination policy is set forth in [CSU Executive Order 1096](#). Reasonable accommodations will be provided for applicants with disabilities who self-disclose by contacting the office of Mechanical Engineering at 818-677-2187.