

Assistant Professor - Robotics  
California State University, Northridge

Direct Link: <https://www.AcademicKeys.com/r?job=247381>

Downloaded On: Nov. 22, 2024 12:38am

Posted Oct. 21, 2024, set to expire Feb. 17, 2025

<b>Job Title</b>	Assistant Professor - Robotics
<b>Department</b>	Mechanical Engineering <a href="https://www.csun.edu/engineering-computer-science/mechanical-engineering">https://www.csun.edu/engineering-computer-science/mechanical-engineering</a>
<b>Institution</b>	California State University, Northridge Northridge, California
<b>Date Posted</b>	Oct. 21, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Aug. 20, 2025
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Robotics Mechanical Engineering Bioengineering (all Bio-related fields)
<b>Apply Online Here</b>	<a href="http://www.csun.edu/careers">http://www.csun.edu/careers</a>

**Apply By Email**

**Job Description**

The department of Mechanical Engineering at California State University, Northridge (CSUN) is seeking tenure-track faculty members in autonomous systems and robotics areas at the rank of assistant professor.

The successful candidate will teach courses in the areas:

- robotic systems (kinematics, dynamics, and controls)
- medical devices and bioinstrumentation

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- autonomous intelligent vehicle

and have research interests in robotics and cyber physical systems, (for example: soft robotics, medical robotics, bioinspired robotics including sensing and actuation), and autonomous vehicle systems. Outstanding candidates with hands-on practice and research experience in robotic systems are invited to apply.

In addition to teaching, the position requires weekly office hours, attending faculty meetings, participation in assessment of student learning, and service to the department, college, and university. The successful candidate may be required to teach on weekdays, evenings, weekends, and/or online and 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. Given CSUN's commitment to excellence in teaching, research, and engagement in a diverse environment, the successful candidate will help the Department achieve equitable academic outcomes for all students through teaching, student mentorship, scholarship, and service.

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 pursuit of approaches which 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.

### **Required Qualifications:**

- Ph.D. in Mechanical Engineering or Biomedical Engineering 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

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**Preferred Qualifications:**

- Evidence of effective engagement OR potential to engage with a diverse student body
- Experience using culturally responsive pedagogy that leads to equitable outcomes for all students
- Experience creating a student-centered learning environment
- College or University-level teaching experience in a related field (robotic systems including kinematics, dynamics and controls, mechatronics, and instrumentation), either in-person or online
- Evidence of research publications in peer reviewed journals and/or conference proceedings (publications evidence in the related field within the past 5 years)
- Research/Lab experience that includes working with students from diverse backgrounds
- Experience adopting inclusive approaches to mentoring
- Post-doctoral experience is preferred
- 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 November 15, 2024. 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](http://www.csun.edu/careers).

Applicants must submit the following to the website in the section above: a 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. Applicants must submit a cover letter that specifically addresses the following: 1) how you would make a unique contribution to the department; 2) your teaching experience and philosophy, 3) a preliminary plan for establishing your independent research program; 4) your experience working with a culturally diverse population. In later stages of the search process, applicants 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 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.

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### **EEO/AA Policy**

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.

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.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Search & Screen Committee 25-19  
Department of Mechanical Engineering  
California State University, Northridge  
18111 Nordhoff Street



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