

Department: Mechanical Engineering
Faculty Hire Number: 20-21

Effective Date of Appointment: August 19, 2020
(Subject to Budgetary Approval)

Rank: Assistant Professor, Tenure-Track; (2 positions) **Salary:** Dependent upon qualifications

CSUN's Commitment to You:

CSUN is committed to achieving excellence through teaching, scholarship, learning and inclusion. As both an AANAPISI & HSI (Asian American and Native American Pacific Islander Serving Institution & Hispanic Serving Institution), CSUN welcomes candidates whose experience in teaching, research, or community service has prepared them to contribute to our commitment to diversity and inclusive excellence. 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 our website at: <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, visit our website at: <https://www.csun.edu/engineering-computer-science/mechanical-engineering>

Qualifications:

A Ph.D. in Mechanical Engineering or closely related discipline required. The candidate must demonstrate a strong commitment to effective teaching and research in the area of fluid mechanics at the undergraduate and graduate levels. Candidates are expected to have experience with advanced analysis tools and a broad background in Mechanical Engineering. Candidates must demonstrate a specialization in either experimental methodologies OR computational analysis/simulation of complex models involving fluids. The ability to develop and conduct an effective experimental OR computational/numerical research program in fluid-structure-interactions, turbulent flows, flow of complex-fluid, or bio-inspired fluid mechanics areas is expected. Demonstrated proficiency in both written and oral communication in English is required. Applicants must demonstrate the ability and commitment to working, teaching and mentoring a diverse student population.

We are seeking highly qualified candidates committed to a career in research and teaching. The successful candidates will be responsible for mentoring graduate and undergraduate students, teaching courses at the graduate and undergraduate levels, developing new student design projects, and building a strong externally sponsored research program, in line with the university and college goals and priorities.

CSUN is a Learning Centered University. The successful candidate will be expected to join faculty and staff in a commitment to active learning, to participate in the assessment of learning outcomes, and to identify multiple pathways that enable students to graduate.

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.

Responsibilities:

Teaching responsibilities include instruction in undergraduate and graduate courses, and participation in and supervision of student design projects. Candidates are expected to supervise Masters theses and provide academic and professional advisement to undergraduate and graduate students. Initiation and maintenance of creative scholarly activities as well as an externally funded research program is expected. Active and effective participation in curriculum development, assessment and accreditation, and other departmental activities as well as participation in professional and student organizations (e.g., ASME, ASEE) are normative expectations.

The successful candidate will be held to the standards and requirements of the college and department in which he/she is housed for recommending tenure and promotion.

Application Deadline:

Screening of applications will begin **November 15, 2019**. Priority will be given to applicants who meet the screening deadline; however, the position will remain open until filled.

How to Apply:

Applicants must submit a cover letter that contains specific content that addresses: 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 diverse population. Your complete application will contain a cover letter, curriculum vitae, a research statement, a teaching statement, and at least three letters of reference from professional associates. In later phases of the search process, applicants may be requested to provide verification of terminal degrees, licenses and certificates.

This institution is using Interfolio's ByCommittee to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge to: <http://apply.interfolio.com/68209>

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 on-line [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.

CSUN is an Equal Opportunity Employer and prohibits discrimination on the basis of 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 Department of Mechanical Engineering at (818) 677-2187.