



# California State University, Fresno

Lyles College of Engineering

Mechanical Engineering

Vacancy # 12320

<http://www.fresnostate.edu/engineering/>

## General Information:

California State University, Fresno is one of 23 campuses in the California State University System. The University's mission is to offer high-quality educational opportunities to qualified students at the bachelor's and master's levels, and in certain applied disciplines, at the doctoral level. The current student enrollment is approximately 23,000, including a large percentage of students with diverse and culturally rich backgrounds. The University serves the San Joaquin Valley while maintaining deep involvement with the state, nation, and world. California State University, Fresno promotes student learning and community engagement through faculty scholarship and service learning opportunities in collaboration with community organizations, educational institutions, industry, business and government. The University was one of the first U.S. Colleges and Universities to be selected by The Carnegie Foundation for the Advancement of Teaching for its Community Engagement Classification.

Metropolitan Fresno, with a multi-ethnic population of over 600,000, is located in the

heart of the San Joaquin Valley on the western edge of the Sierra Nevada Mountain Range. The campus is within easy driving distance of San Francisco, Los Angeles, Yosemite, Kings Canyon and Sequoia National Parks, the Monterey Peninsula, Lake Tahoe, beaches, sailing, lakes, and numerous ski resorts. Fresno boasts one of the most

## Systems, Dynamics, Controls Assistant Professor

California State University, Fresno is an engaged University. We focus on broadening students' intellectual horizons, fostering lifelong learning skills, developing the leaders of tomorrow, promoting community involvement, and instilling an appreciation of world cultures. We nurture cultural competence by celebrating the rich diversity of the campus community and welcoming the participation of all. Members of the University community are expected to work effectively with faculty, staff and students from diverse ethnic, cultural and socioeconomic backgrounds. For information on the University's commitment and dedication to creating a university known for its integrity, civility, equity, respect and ethical behavior, please visit:

[www.fresnostate.edu/academics/diversity](http://www.fresnostate.edu/academics/diversity)

- Available for Academic Year: 2015/2016.
- Fresno State has been recognized as an Hispanic-Serving Institution (HSI); an Asian American/Native American/Pacific Islander-Serving Institution (AANAPISI); and has been designated to the Community Engagement Classification by the Carnegie Foundation for the Advancement of Teaching.
- Faculty members gain a clear path to tenure through the University's Probationary Plan Process.
- Salary placement depends upon academic preparation and professional experience.

**Position Summary:** The Department of Mechanical Engineering in the Lyles College of Engineering at California State University, Fresno is accepting applications for a tenure-track, academic year position at the Assistant Professor rank with a Spring 2015 or Fall 2015 start date. Responsibilities include: a) teach undergraduate and/or graduate courses including laboratories in mechanical engineering and related fields (up to 12 weighted teaching units per semester); b) develop and/or teach courses and/or laboratories in systems, dynamics, and/or controls areas, including dynamics, controls, vibrations, instrumentation, mechatronics/robotics, automation, senior capstone design, system design, c) be actively engaged in teaching, advising, research/scholarly, professional development, and/or service activities; d) initiate a viable research program and publish scholarship in refereed journals; e) apply for internal /external funding in support of teaching, research, and professional service; f) supervise student research; g) participate in professional activities, including meetings, workshops, and/or other relevant activities (e.g., appropriate relationships with industry); h) participate in activities related to EAC/ABET accreditation; and, i) advise senior project teams in related fields, j) supervise graduate projects and theses.

**Overview:** The Lyles College of Engineering is the oldest, publicly-supported engineering college in the Central Valley of California. While engineering courses were first taught at Fresno State in 1922, the Department of Engineering was established in 1947, followed by a School of Engineering in 1963, culminating in its renaming to Lyles College of Engineering in 2008 in recognition of a major financial gift to the College that was intended to enhance and grow engineering education in the Central Valley.

The mission of the College includes developing each student's potential to the greatest extent possible, providing a quality engineering education to all students and serving students from demographic groups that historically have not participated in a university education. The BSME degree in the Department of Mechanical Engineering has been continuously accredited by ABET since 1965, boasting over 2,000 alumni in industry, government and academic service. The seven tenured/tenure track Mechanical Engineering faculty provide educational support for nearly 500 undergraduate and graduate students through hands-on/interactive learning, project-based coursework, industry-sponsored culminating experiences, national design competitions, and practice-based internships.

**Required Education:** An earned doctorate (e.g., Ph.D., D.Eng., Dr-Ing., etc.) in Mechanical Engineering or closely-related fields and bachelor of science degree in engineering or closely-related fields, specializing in the broad areas of systems, dynamics, and/or controls are required; however, applicants

reasonable housing markets in California and offers a wide array of locally grown fruits and produce.

nearing completion of the doctorate (ABD) may be considered. For appointment, the doctorate shall be completed by the date of appointment.

**Required Experience:** 1) Strong record of university-level teaching, research, and/or scholarly activities, including successful grantsmanship and/or research publications; 2) Development and/or teaching of undergraduate and/or graduate courses and laboratories in the systems, dynamics, and/or controls areas, including dynamics, controls, vibrations, instrumentation, mechatronics/robotics, automation, senior capstone design, system design; 3) Ability to demonstrate a commitment to working effectively with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds.

**Preferred Qualifications:** 1) Proficient communications skills; 2) Record of graduate-level instruction and supervision; 3) Proficiency in professional practice and/or application of engineering; 4) Active participation and/or leadership roles in professional organizations.

**Application Procedures:** Review of applications will begin October 15, 2014, and will continue until the position is filled. To apply, applicants must complete an on-line application at [jobs.fresnostate.edu](http://jobs.fresnostate.edu) and attach the following: 1) a cover letter specifically addressing required experience and preferred qualifications; 2) a curriculum vitae, and 3) list of five professional references. Finalists will be required to submit 1) three current letters of recommendation and 2) official transcripts. For inquiries, contact: Nitaigour Prem Mahalik, Search Committee Chair, California State University, Fresno, Department of Industrial Technology, 2255 East Barstow Avenue, M/S IT 9, Fresno, CA 93740-8002; Phone: 559.278.2995, E-mail: [nmahalik@csufresno.edu](mailto:nmahalik@csufresno.edu).

**Other Requirements:** A link to the Annual Safety and Security/Fire Safety Report is provided in compliance with the 1998 Jeanne Clery Disclosure Act, and California Education Code section 67380. The report includes three calendar years of select campus crime statistics and it includes security policies and procedures for the campus. Applicants, students, and employees can obtain a copy of this report from the web site: [www.fresnostate.edu/police/clery/index.shtml](http://www.fresnostate.edu/police/clery/index.shtml) or by contacting the Campus Police Department. 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. You can obtain a copy of this Executive order by accessing the following web site: <http://www.calstate.edu/eo/EO-1083.html>

**Background Check:** Necessary background investigations will be completed depending on the requirements of the position. Those could include, but are not limited to, processing of fingerprints through the Department of Justice and FBI, and degree and license verification. A conditional offer may be made based on the results of these verifications.

**Equal Employment Opportunity:** California State University, Fresno is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.

The Immigration Reform and Control Act of 1986 requires the University to inform you that we can employ only U.S. citizens and aliens lawfully authorized to work in the U.S. Each new employee is required to present documentation verifying his/her identity and authorization to accept employment.