



California State University, Fresno

Lyles College of Engineering

Mechanical Engineering

Vacancy # 12635

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

Thermal-Fluids-Transport Phenomena 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: <http://www.fresnostate.edu/academics/diversity>

- Available for Academic Year: 2016/2017.
- Fresno State has been recognized as a 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 an academic year, tenure-track faculty position at the Assistant Professor rank with a Spring 2016 or Fall 2016 start date. Responsibilities may 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 thermo-fluids, heat-transport phenomena, and energy systems areas, including thermodynamics, heat transfer, fluid mechanics, energy systems engineering design, instrumentation, etc.; 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; i) advise senior project teams in related fields and; 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 the Engineering Accreditation Commission of 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 mechanical engineering or related fields, specializing in the broad areas of thermo-fluids, heat-transport phenomena, and energy systems areas are required.

Required Experience:

1) Record of university-level instruction; 2) Demonstrated experience in the areas of teaching, research, and/or scholarly activities. 3) Successful grantsmanship. 4) Evidence of research publications; 5) Development and/or teaching of undergraduate and/or graduate courses and laboratories in the thermo-fluids, heat-mass transport, and energy systems areas, including thermodynamics, heat transfer, fluid mechanics, transport phenomena, energy systems engineering design, instrumentation, senior capstone design, system design and; 6) 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 or leadership roles in professional organizations.

Application Procedures:

Review of applications will begin September 23, 2015, and will continue until the position is filled. To apply, applicants must complete an on-line application at <http://jobs.fresnostate.edu> after August 01, 2015 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 inquires, contact: Michael Jenkins, Search Committee Chair, Mechanical Engineering, California State University, Fresno, 2320 East San Ramon Avenue, M/S EE94, Fresno, CA 93740- 8030, Telephone: 559.278.8347, e-mail: jenkinsm@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: <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.