

Assistant Professor
California State University, Long Beach

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Posted Oct. 4, 2019, set to expire Apr. 3, 2020

Job Title	Assistant Professor
Department	Department of Mechanical and Aerospace Engineering http://www.csulb.edu/colleges/coe/mae/
Institution	California State University, Long Beach Long Beach, California
Date Posted	Oct. 4, 2019
Application Deadline	Open until filled
Position Start Date	Aug. 17, 2020
Job Categories	Assistant Professor
Academic Field(s)	Mechanical Engineering Aerospace/Aeronautical/Astronautics
Job Website	http://www.csulb.edu/academic-affairs/faculty-affairs/careers-college-of-engineering

Apply By Email

Job Description

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING
California State University, Long Beach
<http://www.csulb.edu/colleges/coe/mae>

RECRUITMENTS # 2587-AEROSPACE SYSTEMS DESIGN & #2590-THERMAL-FLUIDS ENGINEERING

The Department of Mechanical and Aerospace Engineering at California State University, Long Beach invites applications for two open faculty positions at the Assistant Professor rank, in the areas of Aerospace Systems Design (#2587) and Thermal-Fluids Engineering (#2590). The effective date would be August 17, 2020. The Department offers BS and MS degrees in both Aerospace Engineering

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and Mechanical Engineering, and participates in a Joint Doctoral program with Claremont Graduate University. Applicants for these positions will complement and/or expand areas of existing research into emerging areas of research.

AEROSPACE SYSTEMS DESIGN

Required Qualifications:

Ph.D. in Aerospace Engineering or closely related discipline. Degree at time of application or official notification of completion of the doctoral degree by August 1, 2020. Specialization in Aerospace Systems Design, including, but not limited to: aerodynamics and CFD; aircraft and rocket propulsion; aircraft and spacecraft control; astrodynamics and space mission analysis; and aerospace structures and materials. Demonstrated commitment to be an effective teacher at the undergraduate and graduate level. Demonstrated potential for record of research, scholarly and creative activities. Demonstrated commitment to working successfully with a diverse student population.

Preferred Qualifications:

Experience in or potential to teach courses in the area of Aerospace Systems Design, undergraduate and graduate-level courses. Demonstrated ability to develop courses, laboratories, and academic programs; update curriculum; and supervise student theses and projects. Active participation in academic governance. A record of academic publication and research activity commensurate in one of more of the emerging areas of aerospace engineering, with application to the design of aircraft, unmanned aerial systems, satellites, launch vehicles, and/or space missions. Demonstrated success or history of effort to obtain external funding for research. Commitment to actively support the success of underrepresented groups in STEM fields.

Duties:

Teach introductory and area of expertise-related subjects at undergraduate and graduate levels in, or related to, Aerospace Systems Design, as well as undergraduate fundamental courses in aerospace engineering, as needed by the Department. Collaborate with colleagues in curriculum development and program assessment. Maintain an active research program involving students and leading to peer-reviewed publications and professional presentations. Mentor undergraduate and graduate students in research. Actively pursue external support for research through grants and contracts. Participate in service to the department, college, university, profession, and community.

THERMAL-FLUIDS ENGINEERING

Required Qualifications:

Ph.D. in Mechanical Engineering (or a closely related discipline).

Degree award at the time of application or official notification of completion of the doctoral degree by August 1, 2020. Specialization in Thermal-Fluids Engineering, or a closely related area. Demonstrated

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effectiveness for teaching at both undergraduate and graduate levels. Demonstrated potential for successful research, scholarly and creative activities. Demonstrated commitment to working successfully with a diverse student population.

Preferred Qualifications:

Experience in teaching courses in the area of Thermal-Fluids Engineering at both undergraduate and graduate levels. Demonstrated ability to develop courses, laboratories, and academic programs; update curriculum; and supervise students' theses and projects. Active Participation in academic governance. A record of academic publication and research activity in one or more of the emerging areas of conduction, convection, and radiation heat transfer. Demonstrated success of history of effort to obtain external funding for research. Commitment to actively support the success of underrepresented groups in STEM fields.

Duties:

Teach undergraduate and graduate courses in the Thermal-Fluids areas as well as undergraduate fundamental courses in mechanical and aerospace engineering. Develop new courses and laboratories; update existing courses; supervise student projects and theses; write grant proposals and seek research funding; conduct independent and collaborative research leading to publication and external funding; participate in service to the department, college, university, and community.

CSULB seeks to recruit faculty who enthusiastically support the University's strong commitment to the academic success of all of our students, including students of color, students with disabilities, students who are first generation to college, veterans, students with diverse socio-economic backgrounds, and students of diverse sexual orientations and gender expressions. CSULB seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the People of California, to maintain the excellence of the University, and to offer our students a rich variety of expertise, perspectives, and ways of knowing and learning.

Information on excellent benefits package available to CSULB faculty is located here:

<http://www.calstate.edu/hr/benefits/documents/cfa-unit-3-benefits-summary.pdf>

How to Apply - Required Documentation:

- An Equity and Diversity Statement about your teaching or other experiences, successes, and challenges in working with a diverse student population (maximum two pages, single-spaced). For further information and guidelines, please visit: http://www.csulb.edu/sites/default/files/groups/faculty-affairs/equity_and_diversity_statement_tt_2019.pdf
- Letter of application addressing the required and preferred qualifications
- Curriculum Vitae (including current email address)

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- Names and contact information for three references
- Copy of transcript from institution awarding highest degree
- Statement of current and future research
- Finalists will also be required to submit the following:
 - 1) A signed SC-1 form,
 - 2) Three current letters of recommendation independently provided by references, and
 - 3) An official transcript (e-transcript preferred, if available)

Applications and required documentation must be submitted through Academic Jobs Online at <https://academicjobsonline.org/ajo/jobs/14591> (#2587 Aerospace Systems Design)
<https://academicjobsonline.org/ajo/jobs/14592> (#2590 Thermal-Fluids Engineering)

APPLICATION DEADLINE: Review of applications to begin January 10, 2020
Position opened until filled (or recruitment canceled)

EMPLOYMENT REQUIREMENTS:

A background check (including a criminal records check and telephone reference check with most recent employer) 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.

The person holding this position is 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 Revised July 21, 2017 as a condition of employment.

CSULB is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual, without regard to race, color, national origin, ancestry, religious creed, sex, gender identity, sexual orientation, marital status, disability, medical condition, age, Vietnam era veteran status, or any other veteran's status. CSULB is an Equal Opportunity Employer.

EEO/AA Policy

CSULB is committed to creating a community in which a diverse population can learn, live, work, and thrive in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual, without regard to race, color, national origin, ancestry, religious creed, sex, gender identity, sexual orientation, marital status, disability, medical condition, age, Vietnam era veteran status, or any

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other veterans' status. CSULB is an Equal Opportunity Employer.

Contact Information

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

Contact Dr. Jalal Torabzadeh
Department of Mechanical and Aerospace
Engineering
California State University, Long Beach
1250 Bellflower Boulevard
MAE Department
Long Beach, CA 90840-8305

Phone Number (562) 985-8181
Fax Number (562) 985-4408
Contact E-mail Jalal.Torabzadeh@csulb.edu