

Assistant Professor of Mechanical and Aerospace
Engineering (Advanced and Sustainable Materials and
Manufacturing)
California State University Long Beach

Direct Link: <https://www.AcademicKeys.com/r?job=249988>

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Posted Dec. 5, 2024, set to expire Apr. 6, 2025

Job Title	Assistant Professor of Mechanical and Aerospace Engineering (Advanced and Sustainable Materials and Manufacturing)
Department	Mechanical & Aerospace Engineering https://www.csulb.edu/college-of-engineering/mechanical-aerospace-engineering
Institution	California State University Long Beach Long Beach, California
Date Posted	Dec. 5, 2024
Application Deadline	Jan. 15, 2025
Position Start Date	Aug. 18, 2025
Job Categories	Assistant Professor
Academic Field(s)	Mechanical Engineering Aerospace/Aeronautical/Astronautics
Apply Online Here	https://careers.pageuppeople.com/873/lb/en-us/job/543716/assistant-professor-of-mechanical-and-aerospace-engineering-advanced-and-sustainable-materials-and-manufacturing

Apply By Email

Job Description

California State University, Long Beach ([CSULB](#)) is a Hispanic Serving Institution (HSI) and an Asian American and Native American Pacific Islander-Serving Institution (AANAPISI). It also earned the prestigious Seal of Excelencia in 2023, joining a distinctive group of colleges and universities who have been recognized for its commitment to Latine/x student success. CSULB is committed to serving

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diverse students and has established and actively supports the Black Excellence Collegium, dedicated to promoting Black excellence and advancing Black Student Success, and El Concilio for Latinx Success at the Beach, whose mission is to build capacity and promote inclusive servingness across initiatives and efforts towards Latine/x student, faculty, and staff success across campus. The President's Equity & Change Commission is dedicated to achieving inclusive excellence in our community and culture and to interrogate, disrupt, and transform systemic inequities throughout the university. CSULB's [Beach 2030](#) University Action Plans prioritize engaging all students; expanding access to higher education; promoting intellectual achievement; building community; and cultivating resilience.

[College of Engineering](#)

[Department of Mechanical and Aerospace Engineering](#)

Required Qualifications:

- Ph.D. in Materials Science, Mechanical Engineering, or a closely related engineering discipline. Degree at time of application or official notification of completion of the doctoral degree by August 1, 2025.
- Demonstrated potential or effectiveness in teaching at undergraduate and graduate levels
- Demonstrated potential for successful research, scholarly and creative activities
- Specialization in broad areas of material science, advanced manufacturing, and clean energy
- Demonstrated commitment to working successfully with a diverse student population, including Black/African American, Latine/x, Native American/Indigenous, low-income, first-generation, and minoritized students

Preferred Qualifications:

- Experience in teaching undergraduate and graduate-level courses in any area of Materials Science and Engineering including, but not limited to emerging and rapidly developing areas such as material design and synthesis, advanced manufacturing, clean energy, AI application materials and manufacturing related, electronic materials, and smart manufacturing
- Ability to develop and lead learning activities that foster student innovation and creativity
- Experience in areas of advanced materials and manufacturing with applications to mechanical and aerospace engineering disciplines

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- Expertise in theoretical, experimental, and/or computational
- Demonstrated ability to develop courses, laboratories, and academic programs
- Ability to 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 mechanical or aerospace engineering
- Demonstrated success or history of external funding for research
- Experience of successfully working with populations demographically and/or socioeconomically similar to the CSULB student body ([Demographics](#))
- Experience mentoring or supporting students with minoritized identities or experience using inclusive and culturally relevant teaching strategies in a diverse classroom

Duties:

- Teach undergraduate and graduate courses in mechanical engineering's Advanced Materials and Manufacturing areas as well as undergraduate fundamental courses in Mechanical Engineering curriculum [Mode of instruction may include in-person, hybrid, online, and/or any combination thereof.]
- Develop new courses and update existing courses, including laboratories
- Supervise student projects and theses
- Write grant proposals and seek research funding
- Conduct independent and collaborative research leading to publications 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.

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Information on excellent benefits package available to CSULB faculty is located here: [CSU Employee Benefits](#)

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: [Equity and Diversity Statement](#)
- Letter of application addressing the required and preferred qualifications
- CV
- Names and contact information for three references (to be contacted for confidential letters of recommendation should you reach the **finalist stage**)
- **Finalists** should be prepared to submit an official transcript (e-transcript preferred, if available)

How to Apply: Click Apply Now icon to complete the CSULB online application

Requests for information about the position and process should be addressed to:

Jalal Torabzadeh, Professor and Chair

California State University, Long Beach

Department of Mechanical & Aerospace Engineering

1250 Bellflower Boulevard

Long Beach, CA 90840-8305

562-985-8181 or E-Mail: Jalal.Torabzadeh@csulb.edu

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EMPLOYMENT REQUIREMENTS:

A background check (including a criminal record 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.

Pursuant to the California State University (CSU) Out-of-State Employment Policy, hiring employees to perform CSU-related work outside of California is prohibited effective January 1, 2022. By prohibiting employment outside of California, the CSU also prohibits hiring and retaining employees working permanently from a business location outside of the United States. Exceptions to the Policy are limited to approved and documented purposes for conducting CSU business outside of California.

CSU Vaccination Policy

The CSU strongly recommends that all individuals who access any in-person program or activity (on- or off-campus) operated or controlled by the University follow the COVID-19 vaccine recommendations adopted by the U.S. Centers for Disease Control and Prevention (CDC) and the California Department of Public Health (CDPH) applicable to their age, medical condition, and other relevant indications and comply with other safety measures established by each campus.

Additionally, per the [CSU COVID19 Vaccination Policy](#), all faculty, staff, administrators, and students who are accessing campus facilities are recommended to receive immunization against COVID 19 but are not required to be vaccinated at this time. The systemwide COVID19 questions may be sent to [fah@csulb.edu](mailto:fahr@csulb.edu).

EEO/AA Policy

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,

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without regard to race or ethnicity (including color or ancestry), nationality, religion or religious creed, gender (or sex), gender identity (including transgender), gender expression, sexual orientation, marital status, disability (physical or mental), medical condition, genetic information, age, veteran or military 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 Chair, Mechanical & Aerospace Engineering
Department
Mechanical & Aerospace Engineering
CSULB
1250 Bellflower Blvd.
Long Beach, CA 90840-8305

Phone Number 562.985.1563
Fax Number 562.985.4408
Contact E-mail jalal.torabzadeh@csulb.edu