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- Instructional Faculty – Tenured/Tenure-Track (1)

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- Appointment Type
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Assistant Professor in Materials Engineering - Metallurgy

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Job no: 516055

Work type: Instructional Faculty – Tenured/Tenure-Track

Location: San Luis Obispo

Categories: Unit 3 - CFA - California Faculty Association, Tenured/Tenure-Track, Full Time, Faculty - Engineering

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Bargaining Unit

- Unit 3 - CFA - California Faculty Association (1)

Job Search

Category/Discipline

- Faculty - Engineering (1)

Time Basis

- Full Time (1)

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The Materials Engineering Department in the College of Engineering at California Polytechnic State University, San Luis Obispo, is seeking an Assistant Professor in Materials Engineering. The faculty position is primarily focused on metallurgy and the practical application of metals to industry. The projected start date is September 14, 2023, for the 2023-2024 AY.

At California Polytechnic State University, San Luis Obispo, we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees, and our community. Bringing people together from different backgrounds, experiences, and value systems fosters the innovative and creative thinking that exemplifies Cal Poly's values of free inquiry, cultural and intellectual diversity, mutual respect, civic engagement, and social and environmental responsibility. Cal Poly's commitment to diversity informs our efforts in recruitment, hiring, and retention. California Polytechnic State University is an affirmative action/equal opportunity employer.

The Cal Poly College of Engineering strongly values diversity, equity, and inclusion (DEI), especially in the classroom and among its areas of study. This position is part of a college-wide cluster of searches designed to promote inclusive and equity-minded teaching strategies as well as increase curricular coverage of the intersection of engineering and computing with societal challenges, particularly around DEI issues. Successful candidates will be expected to contribute to the college's goals in these areas.

The cluster hire searches are for positions in the following disciplines:

- Computer Science/ Software Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial and Manufacturing Engineering
- Materials Engineering
- Mechanical Engineering

In addition to the standard new faculty support, candidates selected through this DEI cluster hire will be given additional start-up funds to support their work in DEI. Once hired, candidates will collaborate with their dean and others to develop a plan for utilizing these funds.

REQUIRED QUALIFICATIONS

Candidates must hold a Ph.D. in Materials Science and Engineering or a related field. The successful candidate will be proficient in teaching basic and advanced metallurgy courses and involved in scholarly activity (research) in the metallurgy area. They will have a demonstrated record of promoting diversity and inclusivity in undergraduate education as well as a dedication to the well-being and advancement of students, colleagues, and the department.

Demonstrated experience and commitment to student-centered learning and teaching, as well as the ability to collaboratively work in multidisciplinary settings, are required. Demonstrated proficiency in written and oral use of the English language is required.

The ideal candidate will show evidence of attention to issues of diversity, equity, and inclusion across their teaching, scholarship, and service.

Applicants must submit a diversity statement that focuses on evidence of the applicant's commitment to diversity, equity, and inclusion, and a description of how you will demonstrate a commitment in these areas in teaching, research, and/or service at Cal Poly. Potential topics may include but are not limited to: implementing inclusive classroom environments, the intersection of DEI in your research/scholarship, mentoring students with diverse backgrounds, outreach to under-represented student populations, implementing bias mitigation, and previous professional development in diversity and inclusion topics.

PREFERED QUALIFICATIONS

Highly desired expertise areas include: ferrous metals, nonferrous metals, corrosion, welding and advanced joining, physical metallurgy, metallurgical thermodynamics and kinetics, metals processing (including but not limited to additive manufacturing, liquid metal processing, metal deformation processing), heat treatment, and the detailed connections between alloy microstructures and resulting properties.

An undergraduate MSE degree is also preferred.

Cal Poly's College of Engineering is committed to creating and sustaining a diverse university community that reflects and serves the population of California. Applicants must submit a diversity statement that displays evidence of the applicant's ability to support a diverse and inclusive environment including implementing inclusive classroom environments, mentoring students with diverse backgrounds, outreach to underrepresented student populations, implementing bias mitigation, and previous professional development in diversity and inclusion topics.

Preference will be given to those who can show evidence of working with diverse populations and fostering a collaborative, supportive and inclusive environment.

SPECIAL CONDITIONS

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 as a condition of employment.

Following a conditional offer of employment, a background check (including a criminal records check) must be completed satisfactorily before any candidate may start work with Cal Poly, San Luis Obispo. Failure to satisfactorily complete the background check may result in the withdrawal of the offer of employment. Note: Cal Poly cannot deny an applicant a position solely or in part due to a criminal conviction history until it has performed an individualized assessment and linked

the relevant conviction history with specific job duties in the position being sought.

Please note: Current employees who are offered positions on campus will be required to undergo a background check for any position where a background check is required by law or that Cal Poly has designated as sensitive. Sensitive positions are those requiring heightened scrutiny of individuals holding the position based on the potential for harm to children, concerns for the safety and security of people, animals, or property, or heightened risk of financial loss to Cal Poly or individuals in the university community.

For health and well-being, Cal Poly is a smoke & tobacco-free campus. The university is committed to promoting a healthy environment for all members of our community.

The California State University system is requiring that all employees and students accessing campus be fully vaccinated against the coronavirus. Accordingly, you may be required to show proof of vaccination by your start date. You can find more information [here](https://afd.calpoly.edu/hr/return-to-work#vaccination) (<https://afd.calpoly.edu/hr/return-to-work#vaccination>).

In accordance with the California State University (CSU) Out-of-State Employment Policy, the CSU is a state entity whose business operations reside within the State of California and prohibits hiring employees to perform CSU related work outside of California.

ABOUT THE DEPARTMENT

The MATE Department is a relatively small and dynamic community of collaborators meeting the technical challenges of the twenty-first century and contributing to our College's vision of leading engineering education. We emphasize excellence and innovation in teaching, collaboration, and collegiality.

HOW TO APPLY

Interested candidates must attach (1) a cover letter, (2) curriculum vitae, (3) a statement on teaching, (4) a statement on research, and (5)

a statement on Diversity as described in the preferred qualifications section above. Please be prepared to provide three professional references with names and email addresses when completing the online faculty application. Questions regarding this recruitment may be directed to Dr. Trevor Harding, Chair of the Materials Engineering Department at tharding@calpoly.edu.

For full consideration apply by the Review Begin Date, October 15, 2022. Applications received after this date may be considered.

Advertised: August 23, 2022 (9:00 AM) Pacific Daylight Time

Applications close: Open Until Filled

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Cal Poly's commitment to diversity and inclusion informs our efforts in recruitment, hiring, and retention. Cal Poly is an equal opportunity employer.

[Notice of Non-Discrimination on the Basis of Gender or Sex and Contact Information for Title IX Coordinator](https://crco.calpoly.edu/Notice_of_Non-Discrimination)

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All Cal Poly employees and students accessing campus are required to be fully vaccinated against COVID-19 by September 20, 2021. For more information see the [Cal Poly vaccine webpage \(https://coronavirus.calpoly.edu/covid-19-vaccine\)](https://coronavirus.calpoly.edu/covid-19-vaccine).