

## Tenure Track Faculty Position in Sustainable and Resilient Energy Systems

Apply link: <https://recruit.apo.ucla.edu/JPF07000>

The Department of Civil and Environmental Engineering at the University of California, Los Angeles (UCLA) invites applications for a tenure-track faculty position. We are particularly interested in candidates with expertise related to **energy systems infrastructure**. Of interest is research on methods and means for **performance optimization, resilience, and security** of existing and emerging (renewable) energy systems. While the focus is not the science and technology of energy generation, the candidate's research should take an end-to-end integrated perspective of energy systems including storage (fuel cells, batteries, pumped hydro, etc.), renewables (solar, wind, hydro, tidal, geothermal, biomass energy, etc.), emerging energy systems (e.g., net-zero energy cars and buildings), innovative systems integration (e.g., vehicle to grid), and corresponding infrastructure for transmission and distribution. The ideal candidate's research will have a comprehensive view of the resilience and performance of energy systems considering climate adaptation, natural hazards, and socio-economic dimensions.

Applicants for the positions must have a demonstrated record of excellence in, or show exceptional promise for, high-quality research, teaching, and professional development. The successful candidate will be expected to advance their active mentoring activities and participate in programs that provide research and professional development opportunities for our diverse student body (such as our Center for Excellence in Engineering and Diversity, our Women in Engineering program, and our student organizations listed at <https://samueli.ucla.edu/equity-diversity-and-inclusion/>).

Applications for appointments at any level (Assistant, Associate, or Full Professor) will be considered. Applicants must hold an earned Ph.D. in Civil and Environmental Engineering or a related field, and an ability to teach undergraduate courses in the Department of Civil and Environmental Engineering and should be active researchers with promise in developing and maintaining an extramurally supported research program, publishing, and disseminating research findings and serving as leaders at the forefront of their field. As part of their educational responsibilities, the candidate is expected to mentor undergraduate and graduate students and teach lecture and/or laboratory courses.

Los Angeles is a global city renowned for its dynamism, robust economy, rich cultural diversity and spectacular climate. UCLA has been ranked the No. 1 public university in the nation by U.S. News & World Report for four straight years. UCLA Samueli is a tightly-knit community with more than 6000 undergraduate and graduate students, more than 190 full-time faculty members, and is in the midst of its largest growth since the school was founded. The school is consistently ranked in the top 10 among U.S. public engineering schools and its Master's online program is ranked No. 2 by U.S. News & World Report. Established in 1945, UCLA Samueli is known as the

birthplace of the internet, and where countless other fields took some of their first steps – from artificial intelligence to reverse osmosis, from mobile communications to human prosthetics. UCLA Samueli is deeply committed to diversifying the ranks of its faculty, staff and students, and to providing an equitable and inclusive environment for all its members. The successful candidate for this position will enjoy this rich scholarly environment in the UCLA Samueli School of Engineering as well as research support from the Garrick Institute for the Risk Sciences and multiple affiliated research centers.

**Review of applications will begin on January 16, 2022, and continue until the position is filled. The anticipated start date is July 1, 2022. However, depending on the candidate's circumstances, some flexibility will be provided on the start date.**

## CAMPUS INFORMATION

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees must (a) provide proof of receiving at least one dose of a COVID-19 Vaccine no later than 14 calendar days after their first date of employment and provide proof of Full Vaccination no later than eight weeks after their first date of employment; or (b) if applicable, submit a request for Exception or Deferral no later than 14 calendar days after their first date of employment. (Capitalized terms in this paragraph are defined in the policy.) Federal, state, or local public health directives may impose additional requirements.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy, see: UC Nondiscrimination & Affirmative Action Policy.