Open Rank Joint Faculty Position in the Department of Civil & Environmental Engineering and the Institute of the Environment and Sustainability

University of California, Los Angeles

Apply at: https://recruit.apo.ucla.edu/JPF07011

Building upon UCLA's commitment to foster an inclusive environment and promote the success of underrepresented students, the Department of Civil & Environmental Engineering in the Henry Samueli School of Engineering & Applied Science and the Institute of the Environment & Sustainability invite applications for our open rank tenure-track faculty position.

Applicants for the positions must have a demonstrated record of excellence in, or show exceptional promise for, high-quality research, teaching, and professional development. In addition, applicants must have a demonstrated record of interest in, and commitment to, the mentorship of students from underrepresented and underserved populations, including women. 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/). Teaching and service expectations will not exceed those of other faculty positions. Applications will be considered at all levels, with a preference for appointments at the Assistant Professor level.

The Institute of the Environment and Sustainability and the Department of Civil and Environmental Engineering at the University of California, Los Angeles (UCLA) are particularly interested in candidates with an expertise on the relationship between society and environmental systems (both engineered and natural), with a particular focus on energy and water systems. Applications for appointments at any level (Assistant, Associate, or Full Professor) will be considered. Applicants should hold a Ph.D. in Civil and Environmental Engineering, or a closely related field, with a track record of publications and collaborations with social scientists, and an ability to teach undergraduate and graduate courses in the Department of Civil and Environmental Engineering and graduate courses at the Institute of the Environment and Sustainability.

The study of environmental systems investigates how social objectives lead to the planning, building and implementation of technical systems, that are then monitored, regulated, managed and updated to meet standards of performance or new social objectives. Understanding how this relationship might be impacted by such issues as climate change, new technologies, fiscal constraints, societal trends and regulatory change are important areas of research. The focus is not solely the science and technology of socio-technical systems, but how they evolve and interact to create path dependencies or opportunities for change and may lead to socially unequal outcomes and environmental degradation. The ideal candidate's research would

explore the question of resilience and performance of energy and water systems considering climate adaptation, natural hazards, environmental impacts, and socio-economic dimensions. This may include sophisticated modeling approaches, distributed data, embedded and remote sensing, institutional analysis, network analysis, flow analysis and more.

Applicants 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. Applicants committed to developing collaborations as part of multidisciplinary research teams are of particular interest. 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 as the #1 public university in the nation by the US News & World report since 2016. 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. UCLA's Institute of the Environment and Sustainability offers a dynamic environment to grow interdisciplinary research and analysis, with keen students concerned to create meaningful change. The successful candidate for this position will enjoy this rich scholarly environment in the UCLA Institute of Environment and Sustainability and the Samueli School of Engineering.

Application packages should be submitted online through https://recruit.apo.ucla.edu/JPF07011 and include the following documents: 1) curriculum vitae, 2) statement of contributions to equity, diversity, and inclusion with particular attention to mentoring achievements and future mentoring goals, 3) statement of research interest, 4) statement of teaching interest, and 5) a cover letter. **Review of applications will begin on January 17, 2022** and continue until the positions are filled. Inquiries about the position and nominations of potential candidates should be directed to Ertugrul Taciroglu at etacir@g.ucla.edu.

This General Data Protection Regulation (GDPR) Statement for Persons in the European Economic Area is designed to provide information regarding the types of personal information that the University of California's Human Resources departments and offices collect.

Please be advised that the final candidate recommended for hire into a critical (or otherwise designated) position will be required to successfully complete a background investigation. Any convictions will be evaluated to determine if they directly relate to the responsibilities and

requirements of the position. Having a conviction history will not automatically disqualify an applicant from being considered for employment.

UCLA is a tobacco-free environment. For more information, please view the policy at Tobacco-Free Campus Policy

Application Requirements

Document requirements

- Cover Letter

- Curriculum Vitae - Your most recently updated C.V.

- Statement of Research

- Statement of Teaching

- Statement on Contributions to Equity, Diversity, and Inclusion - An EDI Statement describes a faculty candidate's past, present, and future (planned) contributions to equity, diversity, and inclusion. To learn more about UCLA guidelines on contributions to equity, diversity, and inclusion, please review our Sample Guidance for Candidates and related EDI Statement FAQ document.

Reference requirements

- 3-5 required (contact information only)

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.