

Assistant Professor-Adaptive and Resilient Infrastructure-Civil and Environmental Engineering

Job #JPF03579

- Civil & Environ Engineer / College of Engineering / UC Berkeley

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POSITION OVERVIEW

Position title: Assistant Professor

Anticipated start: July 1, 2023

APPLICATION WINDOW

Open August 10th, 2022 through Friday, Oct 7, 2022 at 11:59pm (Pacific Time)

POSITION DESCRIPTION

The Department of Civil and Environmental Engineering at the University of California, Berkeley, invites tenure-track faculty applications in support of the Department's broad initiative in Sustainable and Resilient Engineering with focal areas Adaptive and Resilient Infrastructure and Multiscale Civil Systems. Hiring will be at the untenured assistant professor level. Advancing equity and inclusion is fundamental to UC Berkeley's Principles of Community, and is a focus for the Civil and Environmental Engineering Department.

Civil and environmental engineering is at the center of engineering for sustainability and resilience, as we face urgent and emerging challenges to address growing risks to infrastructure components, systems, and services due to climate change, earthquakes and other natural hazards, and aging infrastructure. Renewal of our infrastructure components and systems must be done with consideration of how their engineering, design, implementation, and operation must be modified in the face of challenges like those above. The Civil and Environmental Engineering Department at UC Berkeley is leading the way in addressing these societal challenges in a way that balances sustainability, resilience, and equity.

We seek candidates who will lead civil and environmental engineering to improve the sustainability and resilience of the built environment with a focus on either adaptive and resilient infrastructure or multiscale civil systems. Examples of the former include, but are not limited to: adaptive, modular, deployable, reconfigurable infrastructure; new and sustainable materials; renewable energy infrastructure; and autonomous construction and infrastructure. Examples of the multiscale civil systems involve interactions across scales from the individual to societal and include, but are not limited to, the following applications: system integration (system of systems, complex adaptive system); and system measurement, management, modeling and analysis of usage, behavior, and performance. We welcome candidates focusing on any area (or multiple areas of civil infrastructure, including, but not limited to, buildings, transportation, energy, and other structures. Research connections that extend beyond the traditional bounds of civil and environmental engineering, or connect to emergent tools in machine learning and artificial intelligence, are encouraged.

New faculty are expected to contribute to undergraduate and graduate curricula in Civil and Environmental Engineering as well as develop new and innovative courses. They are also encouraged to collaborate with faculty throughout the Department and across the Berkeley campus.

The University is also committed to addressing the family needs of faculty, including dual career couples and single parents. For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit <https://ofew.berkeley.edu/new-faculty>.

Department: <https://ce.berkeley.edu>

QUALIFICATIONS

Basic qualifications (required at time of application)

PhD (or equivalent international degree) or enrolled in a PhD (or equivalent international degree) granting program at the time of application.

APPLICATION REQUIREMENTS

Document requirements

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

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- Statement of Research
- Statement of Teaching
- Statement on Contributions to Advancing Diversity, Equity, and Inclusion - Statement on your contributions to diversity, equity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion if hired at Berkeley (for additional information go to <https://ofew.berkeley.edu/recruitment/contributions-diversity>).
- Publication #1
- Publication #2

Reference requirements

- 3 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF03579>

Help contact: leorig@berkeley.edu

CAMPUS INFORMATION

Diversity, equity, inclusion, and belonging are core values at UC Berkeley. Our excellence can only be fully realized by faculty, students, and academic and non-academic staff who share our commitment to these values. Successful candidates for our academic positions will demonstrate evidence of a commitment to advancing equity, inclusion, and belonging.

The University of California, Berkeley 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: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality (<http://apo.berkeley.edu/ucb-confidentiality-policy>) prior to submitting their letter.

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. Please refer to Appendix F, Section II.C. of the policy for the deadlines applicable to new University of California employees. (Capitalized terms in this paragraph are defined in the policy.) Federal, state, or local public health directives may impose additional requirements.

Positions that are represented by a collective bargaining unit or agent have particular contracts. For more information, please refer to the relevant contract: [Lecturer contract](#), [Postdoctoral contract](#), [Research Series contract](#), and [Librarian contract](#). Questions about represented positions can be directed to the hiring unit.

JOB LOCATION

Berkeley, Ca