

Assistant Researcher - Center for the Built Environment -
CEDR
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=244987>

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Posted Sep. 17, 2024, set to expire Oct. 17, 2024

Job Title	Assistant Researcher - Center for the Built Environment - CEDR
Department	Center for the Built Environment
Institution	University of California Berkeley Berkeley, California
Date Posted	Sep. 17, 2024
Application Deadline	10/17/2024
Position Start Date	Available immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Architectural (Building & Construction) Engineering - Other
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Job Description

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Position overview

Salary range: The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table(s) for the current salary scale(s) for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t13-b.pdf A

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reasonable estimate for this position is \$90,200 - \$117,900

Percent time: 100%

Anticipated start: Fall 2024

Position duration: 24 months with the possibility of an extension depending on performance and continuation of appropriate funding.

Application Window

Open date: September 16, 2024

Next review date: Tuesday, Oct 1, 2024 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Thursday, Oct 17, 2024 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

The Center for the Built Environment (CBE) at the University of California, Berkeley, is seeking an Assistant Professional Researcher to lead a new research program on environmental life cycle assessment and embodied carbon in the built environment. This team member will work in collaboration with leading research and advocacy organizations to advance this emerging concern, which holds promise to rapidly reduce the greenhouse gas impacts from construction, demolition and renovation of buildings and infrastructure. This research will also be done in partnership with CBE's consortium of 50 partner organizations, a diverse group of industry leaders that represent the breadth of the building sector. In at least the first two years, the Researcher will be collaborating closely with the Carbon Leadership Forum at the University of Washington.

The Professional Research series is for career academic appointees who focus on independent and creative research activity of high quality at the equivalent to that expected of the Professor series.

Responsibilities:

- Formulating and leading research projects in building science with a focus on embodied carbon and life cycle analysis.

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- Developing capabilities for embodied carbon research at CBE; identifying critical research needs, and helping to develop the corresponding team capabilities required to take on the associated challenges.
- Identifying funding opportunities at government agencies, industry and philanthropic organizations; leading proposals to apply to those opportunities.
- Overseeing and conducting comprehensive data analysis using qualitative and quantitative data.
- Writing technical documents and presenting research results, as well as preparing project reports for funding agencies and/or industry partners.
- Writing articles for high-quality refereed academic journals, industry publications, and/or conferences. Provide summaries for non-technical audiences, including through social media and articles.
- Managing research project budgets.
- Collaborating with industry partners, including outreach for data collection
- Supervising and training graduate students, post-doctoral scholars, and other team members working on research projects.
- Participating in standards and code development within a relevant professional organization, for example, ISO, AIA, IBPSA, ASHRAE, NCSEA, ACSE.

Labor Contract: <https://ucnet.universityofcalifornia.edu/resources/employment-policies-contracts/bargaining-units/academic-researchers/contract/>

Qualifications

Basic qualifications (required at time of application)

Ph.D. or equivalent International Degree

Preferred qualifications

- Ph.D. or equivalent International Degree, in Engineering or Architecture or related fields.
- Demonstrated expertise in embodied carbon and life cycle assessment
- Record of high-quality publications in academic journals and other publication venues.
- Experience with data analysis (using R, Python, SPSS, MATLAB, or equivalent).
- Previous graduate study, academic, industrial training or other professional experience in building design, construction, infrastructure, building science or closely related fields.
- At least 5 years of experience designing and conducting research.
- Demonstrated ability to obtain funding to pursue their research interests and goals, or at least demonstrated proposal writing skills.
- Experience in a range of research methods (e.g., surveys, field studies, simulation).
- End-to-end experience with all aspects of research - identification of and planning for funding

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opportunities, forming competitive teams and concepts for funding applications, writing proposals, research design, data acquisition, analysis, reporting, stakeholder communication.

- Research experience in life cycle assessment and embodied carbon
- Expertise in software and/or hardware development for building science applications.
- Familiarity with life cycle assessment methods, databases and tools to perform primary LCA's as well as utilizing established building sector LCA tools.
- Familiarity with relevant national and international standards, like ISO-14040, and certification programs
- Ability to work effectively as part of an interdisciplinary and international team, including the ability to efficiently and actively cooperate with other staff members within the organization.
- Ability to mentor MS/PhD students with building science interests
- Strong English writing and communication skills.
- Strong visualization skills
- Demonstrated leadership experience

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter - 1-2 page cover letter that summarizes research interests and professional goals.

Reference requirements

- 3 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04599>

Help contact: jspitzer@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging. The excellence of the institution requires an environment in which the diverse community of faculty, students, and staff are welcome and included. Successful candidates will demonstrate knowledge and skill related to ensuring equity and inclusion in the activities of their academic position (e.g., teaching, research, and service, as applicable).



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Please refer to the [University of California's Affirmative Action Policy](#) and the [University of California's Anti-Discrimination Policy](#).

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](#) prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04599>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

University of California Berkeley

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