

Assistant/Associate/Full Professor--Radiation Detection
and instrumentation--Nuclear Engineering
University of California Berkeley

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Posted Oct. 31, 2024, set to expire Dec. 15, 2024

Job Title	Assistant/Associate/Full Professor--Radiation Detection and instrumentation--Nuclear Engineering
Department	Nuclear Engineering
Institution	University of California Berkeley Berkeley, California
Date Posted	Oct. 31, 2024
Application Deadline	12/15/2024
Position Start Date	Available immediately
Job Categories	Professor Associate Professor Assistant Professor
Academic Field(s)	Nuclear
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Job Description

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Assistant/Associate/Full Professor--Radiation Detection and instrumentation--Nuclear Engineering

Position overview

Position title: Assistant/Associate/Full Professor Radiation Detection and Instrumentation

Salary range:

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The current salary range for this position is Assistant Professor \$103,700 - \$151,600 (9-month academic year salary); Associate Professor/Professor \$124,800 - \$246,900 (9-month academic year salary), however, off-scale salary and other components of pay, which would yield compensation that is higher than this range, are offered to meet competitive conditions.

Anticipated start: July 1, 2025 -- or a later mutually agreed upon date

Review timeline: 72 days

Application Window

Open date: October 29, 2024

Next review date: Sunday, Dec 15, 2024 at 11:59pm (Pacific Time)

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

Final date: Sunday, Dec 15, 2024 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date.

Position description

The Department of Nuclear Engineering at the University of California, Berkeley invites applications for a tenured/tenure-track position at the Assistant, Associate, or Full Professor level, starting July 1st, 2025. We seek candidates who will develop impactful, productive, and novel research programs, will commit to excellence in graduate and undergraduate education, and will contribute to the Department's goals of shaping the next generation of leaders in nuclear engineering, pushing the boundaries of science, and serving our society. The ideal candidate will outline a vision for research and scholarship that will advance radiation science and technology, radiation detection and instrumentation, radiation monitoring, and can contribute the health physics area, and related areas. An ability to interface with other disciplines (nuclear physics, nuclear data, thermal hydraulics, nuclear materials, neutron transport, etc.) is highly desired.

In addition to developing a vibrant, cutting-edge research program, the successful candidate will have the opportunity to teach and develop undergraduate- and graduate-level courses in Radiation Detection and Instrumentation disciplines and to mentor students at all levels. Candidates will have to demonstrate a commitment to excel in teaching and mentoring.

Candidates will also have to demonstrate how they plan to contribute through research, teaching, and mentoring to the core values of the Nuclear Engineering Department: integrity, excellence, dignity, and

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justice. Candidates should know that financial and in-kind resources are available to pursue activities that help accelerate our efforts to achieve our diversity, equity, inclusion, and belonging goals, with the full backing of the College of Engineering. Examples of ongoing programs in the College are available at: engineering.berkeley.edu/diversity. Details of the Department's programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment can be found at: nuc.berkeley.edu/equity-and-inclusion/.

We encourage applications from all backgrounds and institutions, and we are committed to addressing the family needs of faculty, including dual-career couples and single parents. For more information, refer to the Office for Faculty Equity and Welfare at <http://ofew.berkeley.edu/new-faculty>.

The Department of Nuclear Engineering at UC Berkeley, established in 1958, is the only nuclear engineering program in the State of California, and only one of two on the West Coast. It is actively involved in major multi-institutional research initiatives in such areas as reactor safety and licensing, thermal hydraulics, nuclear data, neutronics, nuclear materials, nuclear waste management, medical physics, nonproliferation, and applied nuclear physics. The Department of Nuclear Engineering hosts a vibrant and growing community of faculty and students and enjoys close relationships with Lawrence Berkeley National Laboratory, Lawrence Livermore National Laboratory, Los Alamos National Laboratory, and Sandia National Laboratories. The Department has a strong tradition of interdisciplinary research and education and seeks to further develop strategic alliances with related academic units in the College of Engineering, research centers, national laboratories, and industrial partners. The rich environment afforded by the excellence in engineering at Berkeley, the resources of the national laboratories, and the strength of other departments in the College provides fertile ground for further growth and development of Nuclear Engineering at Berkeley. To learn more about the Department of Nuclear Engineering please visit nuc.berkeley.edu.

The University of California is committed to creating and maintaining a community dedicated to the advancement, application, and transmission of knowledge and creative endeavors through academic excellence, where all individuals who participate in University programs and activities can work and learn together in a safe and secure environment, free of violence, harassment, discrimination, exploitation, or intimidation. Consistent with this commitment, UC Berkeley requires all applicants for Senate faculty positions to complete, sign, and upload an Authorization of Information Release form into AP Recruit as part of their application. If an applicant does not include the signed authorization, the application will be considered incomplete, and as with any incomplete application, will not receive further consideration. Although all applicants for faculty recruitments must complete the entire application, applicants will only be subject to reference checks if and when they are selected as the candidate to whom the hiring unit would like to extend a formal offer. More information is available on [this website](#)

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

Qualifications

Basic qualifications (required at time of application)

Applicants must have a Ph.D. (or equivalent international degree), or be enrolled in a Ph.D. or equivalent international degree-granting program at the time of application.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research - Discuss research accomplishments and proposed plans, including inclusive research practices that promote the excellence of your research. For more information, refer to the [Berkeley Office for Faculty Equity & Welfare, Faculty Contributions to Advancing Diversity, Equity, Inclusion, and Belonging at Berkeley](#) webpage.
- Statement of Teaching - Discuss prior teaching experience, teaching approach, and future teaching interests, including specific efforts and future plans to support the success of all students through curriculum, classroom environment, and pedagogy. Include discussion of mentoring experiences and approach, including past efforts and future plans to foster equitable and inclusive research environments. For more information, refer to the [Berkeley Office for Faculty Equity & Welfare, Faculty Contributions to Advancing Diversity, Equity, Inclusion, and Belonging at Berkeley](#) webpage.
- Authorization to Release Information Form - A reference check will be completed only if you are selected as the candidate to whom the hiring unit would like to extend a formal offer. Download, complete, sign, and upload the [Authorization to Release Information form](#).

Reference requirements

- 3-5 required (contact information only)

Professional References: Please provide names and contact information for three professional references. We will only contact your references to request letters if you are advanced to the second round of review for the position, and we will seek your permission prior to doing so.

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Help contact: vvesparza@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).

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.

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/JPF04638>



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Contact Information

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

Contact

N/A

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