

Junior/Assistant Specialist - Engineering Research
Centers
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=263036>

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Posted Sep. 29, 2025, set to expire Oct. 25, 2025

Job Title	Junior/Assistant Specialist - Engineering Research Centers
Department	
Institution	University of California Berkeley Berkeley, California
Date Posted	Sep. 29, 2025
Application Deadline	10/25/2025
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Nuclear Engineering Physics
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Job Description

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Junior/Assistant Specialist - Engineering Research Centers

Position overview

Position title: Junior/Assistant Specialist

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

https://www.ucop.edu/academic-personnel-programs/_files/2025-26/represented-july-2025-scales/t24-b.pdf

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. A reasonable estimate for a full-time position is \$55,000-\$63,500.

Percent time: 100%

Anticipated start: November 1, 2025

Position duration: Initial appointment is a one-year term; reappointment is dependent upon performance, programmatic need, and budget.

Application Window

Open date: September 24, 2025

Next review date: Wednesday, Oct 8, 2025 at 11:59pm (Pacific Time)

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

Final date: Saturday, Oct 25, 2025 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

Professor Vetter's Lab research interests are in the development and demonstration of new concepts and technologies in radiation detection to address some of the outstanding challenges in fundamental sciences, nuclear safety and security, and health. Current focus areas are in the realization of advanced radiation detection and imaging concepts and systems, real-time data fusion creating new means to detect, map, and visualize radiation, and finally data management, data analytics, and deployment architectures to support the development and deployment of these advanced concepts.

The job as posted aims at supporting ongoing research in the characterization and modeling of advanced scintillation detectors as well in the deployment and operation of multi-sensor systems and the analysis of data obtained with these systems.

This position will support ongoing research in radiation and imaging. Specifically it will support the visual image processing and implementation of advanced object recognition and tracking algorithms and the fusion with radiological and chemical signatures. In addition, it will support the characterization of a new generation of large volume gamma-ray and neutron sensitive scintillation detectors by performing measurements and data analysis.

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Duties:

- Support research in radiation detection and imaging.
- Contribute to the development and use of data analytics methodologies relevant for research in radiation detection and data fusion.
- Support measurements with mobile radiation and static multi-sensor detection and imaging platforms.
- Support the implementation and utilization of computer vision algorithms such as YOLO on static and mobile multi-sensor detection and sensing platforms.
- Support characterization measurements and associated data analysis of a new generation of scintillation detectors.
- Participate in weekly group meetings.
- Contribute to publications and presentations resulting from this research.

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

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

Qualifications

Basic qualifications (required at time of application)

Bachelor's degree or equivalent international degree or enrolled in a Bachelor's degree program (or equivalent international program)

Additional qualifications (required at time of start)

Bachelor's degree or equivalent international degree

Preferred qualifications

- BS in nuclear engineering or physics
- More than 2 years of hands-on experience in radiation detection and the characterization of radiation detection systems
- Experience in Python coding
- Experience in data analytics
- Experience in YOLO
- Experience in Ion Mobility Spectrometry
- Experience in atmospheric transport of chemicals

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- Monte Carlo simulations such as GEANT-4

Application Requirements

Document requirements

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

Reference requirements

- 2 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF05138>

Help contact: emartinez24@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service, consistent with [UC Regents Policy 4400](#) and University of California Academic Personnel policy ([APM 210 1-d](#)). These values are embedded in our [Principles of Community](#), which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

The University of California, Berkeley is an Equal Opportunity 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 more information, please refer to the [University of California's Affirmative Action and Nondiscrimination in Employment 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.

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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.

As a condition of employment, the finalist will be required to disclose if they are subject to any **final** administrative or judicial decisions within the last seven years determining that they committed any misconduct.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment or discrimination, as defined by the employer.
- [UC Sexual Violence and Sexual Harassment Policy](#)
- [UC Anti-Discrimination Policy](#)
- [APM - 035: Affirmative Action and Nondiscrimination in Employment](#)

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF05138>

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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