

Building Technology Postdoctoral Scholar - 85895
Organization: BU-Bldg Technology Urban Systems

Berkeley Lab's Building Technology Urban Systems Division (<https://buildings.lbl.gov/>) has an opening for a Building Technology Postdoctoral Scholar. The Rosenfeld Building Scientific Workforce Development Program draws outstanding scientists and engineers who have the potential and the desire to contribute to the betterment of society through fundamental scientific and technological advances in the field of building technology research.

Named after the founding father of the field of Energy Efficiency, The Rosenfeld Building Scientific Workforce Development Program seeks to honor Dr. Art Rosenfeld by creating a lasting legacy of early career scientists and engineers who will follow in the footsteps of Dr. Rosenfeld. The Rosenfeld Building Scientific Workforce Program encourages applications from women, minorities, and other underrepresented groups presently considering scientific research careers.

Current research in LBNL's Building Technology and Urban Systems Division includes the development and application of building energy simulation, research on building controls, performance monitoring, glazings, window systems, high performance facades, management of peak electricity demand, networking and communications, and benchmarking of building energy performance.

You will be working with an LBNL scientist and be responsible for designing and implementing research that aligns with one of the research areas in the Building Technology and Urban Systems Division. The scholar will also be expected to communicate results in presentations and/or publications.

What You Will Do:

- Conceive and execute research that leads to high impact to reduce energy in buildings.
- Help to define new directions and carve out new research areas.
- Collaborate with Investigators (PI and Co-PI) to develop a commercial building technologies.
- Translate RD&D agenda into a work plan with specific task and scopes of work; manage technology planning, the evaluation of alternative technologies, the production of technical documentation, and prototype development.
- Bring research to fruition, resulting in presentations at meetings and publications in journals, and Co-author conference papers, and refereed journal articles.
- Prepare outreach materials, technical reports, and presentations for internal and external audiences.
- Periodic travel to conferences.

What Is Required:

- Recent Ph.D. degree in Electrical, Mechanical or Chemical Engineering, Materials Science, Physics, or a related field that is earned no later than by the program start date.
- No more than three (2) years of paid postdoctoral/post Ph.D. research experience by the start of the program.
- Deep knowledge in the latest and emerging technologies and how they can be integrated into new product solutions.
- Desire to contribute to the betterment of society through fundamental scientific and technological advances in the field of building technology research.
- Broad knowledge of mechanical, thermal and electrical systems.
- Strong communication skills, both written and oral.

- Ability to work in a team and form strong collaborations.
- An established publication record.
- Demonstrated experience in all aspects of research, development, and demonstration in the applied and engineering sciences.
- Exceptional interpersonal and communication skills both in written and verbal for working in a collaborative research environment.

The posting shall remain open until the position is filled, however for full consideration, please apply by close of business on February 15, 2019.

Notes:

- This is a full time, 3 year, postdoctoral appointment with the possibility of renewal based upon satisfactory job performance, continuing availability of funds and ongoing operational needs. You must have less than 2 years paid postdoctoral experience. Salary for Postdoctoral positions depends on years of experience post-degree.
- Full-time, M-F, exempt (monthly paid) from overtime pay.
- This position is represented by a union for collective bargaining purposes.
- Salary will be predetermined based on postdoctoral step rates.
- This position may be subject to a background check. 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.
- Work will be primarily performed at: Lawrence Berkeley National Lab, 1 Cyclotron Road, Berkeley, CA.

How To Apply

Apply directly online at <http://50.73.55.13/counter.php?id=152714> and follow the on-line instructions to complete the application process.

Berkeley Lab (LBNL, <http://www.lbl.gov/>) addresses the world's most urgent scientific challenges by advancing sustainable energy, protecting human health, creating new materials, and revealing the origin and fate of the universe. Founded in 1931, Berkeley Lab's scientific expertise has been recognized with 13 Nobel prizes. The University of California manages Berkeley Lab for the U.S. Department of Energy's Office of Science.

Equal Employment Opportunity: Berkeley Lab 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. Berkeley Lab is in compliance with the Pay Transparency Nondiscrimination Provision under 41 CFR 60-1.4 (<https://www.dol.gov/ofccp/PayTransparencyNondiscrimination.html>). Click here (<http://www.dol.gov/ofccp/regs/compliance/posters/pdf/eeopost.pdf>) to view the poster: "Equal Employment Opportunity is the Law".