

Berkeley Lab's Energy Analysis and Environment Impacts (EAEI) Division has an opening for a Postdoctoral Fellow to join the Energy Efficiency for Development (EE4D) program and its new activity on Gender Equality and Energy Efficiency.

EE4D is a global program which provides technical resources and expert advice to developing countries to support energy efficiency improvements in order to promote a more resilient, inclusive, and sustainable economic development. The Gender Equality and Energy Efficiency project has a goal to unlock the benefits of modern energy access for women and enhance their role as agents of change in promoting clean, affordable, and efficient energy use in Africa.

In this role, you will develop surveys for data collection, analyze data, develop cost-benefit assessments, and end-use energy consumption modeling tools that show the impact and economic opportunities for increasing access to efficient use of electricity for women. Additionally, this role will involve stakeholder engagement, community engagement, and outreach communication strategies to increase project impacts.

We are looking for a talented researcher with specific interests in the area of gender equality assessments as it pertains to energy use and productive use of energy in developing countries.

What You Will Do:

- Conduct research on the economic and social implications of energy access programs and the role of energy efficiency to promote a more inclusive and sustainable economic development.
- Develop techno-economic analysis and life cycle assessment of efficient electric equipment adoption in developing countries and analysis policy and program implications.
- Assess the financing opportunities to accelerate the adoption of energy-efficient equipment through programs that serve women entrepreneurs.
- Organize and conduct workshops to disseminate work plans, methods, techniques, intervention strategies, and results.
- Engage with local communities to create general awareness about the efficient and productive use of energy and to develop field-based research analysis and program recommendations. This will be done with the help of local consultants.
- Produce and disseminate communication materials about the program and work with government agencies and NGOs to recommend program designs that can scale up penetration of efficient electric equipment in identified sectors.
- Write and contribute to reports and journal papers summarizing methods, results, conclusions, and/or socio-economic policy implications.
- Contribute to developing project plans, reporting progress, and proposals development for new research.

What is Required:

- A recent Ph.D. cross disciplinary field of study related to environment and/or energy.
- Demonstrated project experience in community-engaged research and social inclusion.
- Research experience in data analytics, statistics methods, survey assessment and techno-economic analyses.
- Understanding of issues relating to energy demand, energy efficiency and productive use of energy in developing countries, as well as end-use energy technologies and policies.
- Understanding of issues relating to gender issues and on the design and implementation of policies and programs to address these issues.
- Proven experience in the developing country context and working in different cultural settings.
- Demonstrated oral and written communication skills including the ability to clearly and concisely publicly present material and contribute to publications.
- Willingness to learn and identify methodologies and applications from other fields such as randomized control testing as applicable for solving inclusive and sustainable development analysis.
- Ability to engage with local and international NGOs and stakeholders and forge productive working relationships.

What We Prefer:

- Experience in project management, planning, monitoring, evaluating and reporting.
- Understanding of legal and policy frameworks.
- Experience working with senior government officials to make policy recommendations.
- Proficiency in a foreign language.

For full consideration, please apply by September 30, 2021 with the following application materials:

- Cover Letter - Describe your interest in this position and the relevance of your background.
- Curriculum Vitae (CV) or Resume.

Notes:

- This is a full time, M-F, exempt from overtime pay (monthly paid), 1 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 4 years of paid postdoctoral experience.
- Salary for postdoctoral positions depends on years of experience post-degree and is predetermined based on postdoctoral step rates.
- This position is represented by a union for collective bargaining purposes.
- 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.
- Due to COVID-19, this position may initially be performed remotely but limited to individuals who can reside in the United States. Once Berkeley Lab resumes full onsite operations, work may resume onsite at Lawrence Berkeley National Lab, 1 Cyclotron Road, Berkeley, CA.

Learn About Us:

Berkeley Lab (LBNL) 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.

The EAEI Division focuses on three broad areas: Energy Markets, Policy, and Infrastructure; Energy and Environmental Systems Analysis; and Appliance and Equipment Standards. We develop analytical and experimental methods and tools to assess the technical, economic, and market potential of energy technologies, as well as the associated social, economic, health, and environmental impacts.

Berkeley Lab's Postdoc Program is committed to providing Postdoctoral Researchers and Visiting scholars with a positive and impactful experience to jump-start their career through premium research and career development, networking opportunities, mentoring programs, and strong community. For more information, please visit our Berkeley Lab Postdoc Resources site and our Berkeley Lab Postdoc Association site.

Berkeley Lab is committed to Inclusion, Diversity, Equity and Accountability (IDEA) and strives to continue building community with these shared values and commitments.

Berkeley Lab is an Equal Opportunity and Affirmative Action Employer. We heartily welcome applications from women, minorities, veterans, and all who would contribute to the Lab's mission of leading scientific discovery, inclusion, and professionalism. In support of our diverse global community, all qualified applicants will be considered for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

Equal Opportunity and IDEA Information Links:

Know your rights, click here for the supplement: "Equal Employment Opportunity is the Law" and the Pay Transparency Nondiscrimination Provision under 41 CFR 60-1.4.