Vacancy Announcement – Student Research Assistant for Off-Grid Solar Laboratory

The Schatz Energy Research Center (SERC) has a temporary summer opening for a Student Research Assistant to work in our Off-Grid Solar Laboratory. A three-month commitment is required (from mid-May to mid-August 2017). A student with brief, preplanned periods of absence during the summer may be considered.

Background: The Off-Grid Solar Laboratory's research focuses on technical issues related to the performance and quality of modern off-grid solar products that are used by people living in off-grid areas of Sub-Saharan Africa, South Asia, and the wider developing world. SERC is the technical lead for a quality assurance program for off-grid products associated with the Lighting Global initiative.

Compensation: The hourly wage is $12.16 to $17.12 per hour. Appointments are typically made at the beginning of the range. The position will involve 30 to 40 hours of work per week. This is a temporary, non-benefited, hourly position.

Duties and Responsibilities:

- Help administer performance tests for solar powered products for off-grid applications
- Carry out instrument calibrations and other technical tasks associated with ensuring the accuracy of laboratory test results
- Analyze data and write and review reports associated with the laboratory's activities
- Perform other laboratory tasks, as necessary

The activities of the selected applicant may vary depending on the person's skills and experience.

Minimum Qualifications: Eligible candidates will be an upper division undergraduate student or a graduate student who has completed a course in thermodynamics (i.e. ENGR 331 or equivalent). Candidates should additionally be PC literate and have experience with standard computer software applications such as Microsoft Word and Excel.

Preferred Qualifications (candidates are <u>not</u> expected to have qualifications in all the listed areas):

- Experience with electronics design, fabrication, and/or testing
- Completed physics coursework in electricity and/or electronics (e.g. Physics 110 and/or 315)
- Experimental laboratory experience (laboratory measurements using electronic instrumentation, data analysis, record keeping, calibration, etc.)
- Experience with & knowledge of social issues in the developing world, particularly in Africa and Asia

Application Procedure: Applicants should submit a letter of application, a one-page résumé, and an unofficial transcript of academic coursework to Schatz Energy Research Center, Humboldt State University, Arcata, CA 95521 or via email to serc@humboldt.edu.

Application Deadline: All application materials must be received by 4:00 p.m., Monday, April 3, 2017.