



## Vacancy Announcement Student Research Assistants: Summer 2018

The Schatz Energy Research Center has openings for **up to six Student Research Assistants (SRAs)** to work on a range of projects in Summer 2018. These three-month positions are expected to start on or near May 14, 2018. The eventual number of students hired may vary depending on project needs and availability of funding.

### Hourly Wage and Effort Level

\$11.28 to \$17.78 per hour, commensurate with skills and experience. The time base for the positions may vary from 20-40 hours per week, depending on project needs and funding availability. In some cases, it may be possible to begin work early (during the spring semester) at a rate of 5-10 hours per week. This is a temporary, non-benefited, hourly position.

### Duties and Responsibilities

The selected SRAs will be assigned to at least one active research project based on background skillsets, project needs, and student interests. The potential list of projects that could involve SRA contributions include the following:

- Solar+ project: designing and building a building-scale solar + storage + controls microgrid.
- Arcata airport microgrid: designing and building a large-scale microgrid for ACV.
- Biomass impacts research: analysis and support for research on the environmental impacts of biomass-to-electricity systems in California.
- Biomass emissions: literature synthesis and methods development for measuring greenhouse gas emissions from stored biomass.
- Offshore wind power: researching policy and technical approaches to gigawatt-scale power.
- Off-grid energy access: laboratory and/or field research supporting deployment of off-grid solar systems in East Africa and/or South Asia.

Note that this list is not necessarily comprehensive, and selected students may also be assigned to work on other projects.

### Qualifications

At a minimum, applicants will have the following:

- Education in engineering, environmental science and management, chemistry, physics, or similar courses of study at the graduate or advanced undergraduate level. In some cases, early-stage undergraduate students may also be considered.
- Proficiency with modern office computing, including word processing and spreadsheet analysis.
- Strong written and oral communication skills.
- Ability to self-motivate and contribute to fast-paced team projects.

Other desired skills include the following (note that we do not expect a given applicant to have skills in all of these areas):

- Electronics and experimental laboratory experience.
- Advanced quantitative and data analysis skills.
- Ability to carry out interdisciplinary analysis.
- Prior work experience and/or knowledge related to relevant renewable energy and energy efficiency technologies and policies, including topic areas such as solar energy, biomass energy, wind energy, energy efficiency, and energy storage.
- International work and/or travel experience and knowledge of social issues relevant to low income countries, including especially countries in East Africa.
- Construction and trade skills in areas such as electrical installations, plumbing, and general building.

### Application Procedure

Submit a letter of application, unofficial transcripts of prior academic work at HSU and other colleges or universities, and a one-page résumé via email to [serc@humboldt.edu](mailto:serc@humboldt.edu). In the letter be sure to describe your background, identify which project areas are of greatest interest to you, and what motivates you to apply for this opportunity.

### Application Deadline

All application material must be received by 4:00 p.m. on Wednesday, March 21, 2018.