



Job Opening — Student Research Assistant

Applications due by Sunday, November 8 at 4:00 pm (Pacific)

The Schatz Energy Research Center has one opening for an early-career undergraduate Student Research Assistant (SRA) for work on a research project in Fall of 2020 and Spring of 2021. This position is expected to start in mid-November and continue to the end of the spring semester.

Currently, this position will telecommute based on University and Schatz Center protocols related to COVID-19, with an expectation to return to in-person work as guidelines allow. Applications are welcome from all early-career students currently enrolled in the Environmental Resources Engineering program at Humboldt State University.

Who we are and what we do



Since 1989, the Schatz Center has been a leader in applied research and project development for clean and renewable energy. We work across a broad range of research areas, including microgrid development, offshore wind feasibility studies, sustainable transportation design, carbon life cycle analysis, solar product testing, and planning and policy for clean energy access around the globe.

As residents of a rural coastal community, we are keenly aware of our social and environmental responsibilities. We are committed to increasing energy access and resilience for communities worldwide — and do so through clean and renewable design that reduces climate change and restores environmental and human health.

We are committed to supporting a diverse, inclusive, and safe workplace for all employees. Applicants are considered for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, protected veteran status, or any other legally protected status.

Learn more about us at <http://schatzcenter.org>.

Job summary

Responsibilities include:

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

Surface Area Assessment of Biochars: assist with experimental design, data processing, mathematical modeling and computer programming. This project aims to develop a new analytical technique to determine biochar surface area, and to correlate the surface area of various biochar samples with other quality parameters.

Offshore wind power: conduct research and analysis related to the potential for offshore wind development on the California coast. Current projects include development of a model to assess the risk that offshore wind systems pose to seabirds and assessment of the potential to reduce the cost of transmission for early commercial-scale offshore wind projects on California's north coast.

Resilience to wildfire smoke in northern California: conduct research related to the SAFE project. SAFE stands for smoke, air, fire, and energy. This effort involves collaboration with the Karuk Tribe and the Blue Lake Rancheria Tribe to assess strategies to reduce exposure to wildfire smoke, increase energy resilience, and improve health outcomes in communities associated with the project partners.

Note that this list is not necessarily comprehensive, and the selected student may also be assigned to work on another project.

Qualifications

Education and Experience

To be eligible, applicants must be students in good academic standing in the Environmental Resources Engineering major who are registered for at least 6.0 units this semester (Fall 2020).

Additionally, applicants should either (a) have successfully completed ENGR 115 (Introduction to Environmental Resources Engineering) and have not taken more than one "300-level" engineering course, and/or (b) be in their first year in the Environmental Resources Engineering program at HSU.

No prior relevant experience is required. We strongly encourage all students to apply, including those from underrepresented groups in engineering.

Knowledge, skills, and abilities

- Proficiency with modern office computing, including word processing and spreadsheet analysis
- The ability to work well with a diverse set of team members
- Strong writing and verbal communication skills
- Ability to self-motivate and to engage in collaborative teamwork
- Enthusiasm for energy and environmental sustainability
- Ability and desire to promote equity, diversity, and inclusion in the workplace

Compensation and benefits

This is a non-benefited hourly position, with an average 7-10 hours per week. The wage is \$14.00 per hour.

After 90 days of employment, SRAs become eligible for 24 hours of sick leave per calendar year.

How to apply

Deadline

All application materials must be received by **4:00 pm (Pacific) on Sunday, November 8, 2020.**

Materials

Applicants must submit all of the following via email to info@schatzcenter.org:

- a letter of application / cover letter
- a resume (1-2 pages)
- a list of courses completed (at HSU and other colleges or universities)

In your letter please be sure to describe any relevant academic or employment experience, explain why you are interested in working with the Schatz Center, and identify which project areas are of greatest interest to you. Letters may be addressed to the "SRA Search Committee."

Questions and inquiries

Learn more about our employment opportunities at <http://schatzcenter.org/jobs>. For additional information, please email info@schatzcenter.org or call (707) 826-4345.

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