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Cal Poly
Humboldt.

Vacancy Announcement

Faculty Tenure-Track Position Starting Fall 2024

School of Engineering

Cal Poly Humboldt is a Hispanic-Serving Institution (HSI) that strives to foster an equitable and inclusive community that supports our students of diverse backgrounds. Cal Poly Humboldt is committed to achieving the goals of equal opportunity and endeavors to employ faculty and staff of the highest quality committed to working in a multicultural and multiracial community that reflects the diversity of the state.

DESCRIPTION: California State Polytechnic University, Humboldt (Cal Poly Humboldt) invites applicants to join our growing set of Engineering programs. We are open to applicants who can serve program needs in one or more of our programs, which include: **Energy Systems Engineering, Environmental Resources Engineering, Mechanical Engineering, and Engineering & Community Practice** at the rank of Assistant Professor.

Engineering at Cal Poly Humboldt: *Our foundational curriculum for engineering students includes emphasizing a systems-thinking approach, skillfully applying computational methods and data analysis, seeking opportunities for applied design work to support learning, and valuing engineering work that is done in service to society.*

Cal Poly Humboldt's School of Engineering offers multiple programs. At the undergraduate level, these include Energy Systems Engineering (B.S.), Environmental Resources Engineering (B.S.), and Mechanical Engineering (B.S.). Our undergraduate programs have a shared curriculum for the first two years, and specialty courses for each program subsequently. At the graduate level we have a one-year practice-based program in Engineering and Community Practice (M.S.) and two options in the research-based Environmental Systems master's program (M.S.): Environmental Resources Engineering and Energy, Technology, and Policy. We particularly are interested in new faculty who will be able to contribute to multiple programs.

Opportunity to Build: We invite applicants whose expertise aligns with our needs in one or more of our program areas. We highly value scholars and teachers who bridge multiple areas and/or focus on applied problem solving for critical societal needs. We anticipate the new faculty member will be able to collaborate in developing, and launching new programs and facilities that will shape the future of engineering education and research at Cal Poly Humboldt. The School of Engineering is strategically building research expertise and capacity in the following **focus areas**:

Mechanical Engineering

- Robotics and Sensors

- Accessible, universal, and user-centered design
- Mechatronics and robotics applied to societal and environmental priorities
- Automation and controls for critical infrastructure

Energy Systems Engineering

- Clean energy microgrids and electric power systems
- Renewable energy generation and battery storage
- Zero emissions vehicles and transportation systems
- Offshore Wind Energy
- Efficient buildings and HVAC

Environmental Resources Engineering

- Air Quality & Hazardous Waste
- Groundwater Modeling & Engineering Geology
- Environmental Modeling & Numerical Methods
- Low Impact Development & Natural Treatment Systems
- River Restoration & Hydraulic Modeling

Engineering and Community Practice

Any of the above expertise connected with:

- Community engagement or community-based projects
- Experience working with Indigenous or other historically-excluded communities
- Inclusive and/or decolonizing pedagogies

Accessible and Inclusive Pedagogy: As an institution, Cal Poly Humboldt is committed to eliminating the equity gap in all student populations with dynamic, student-centered practices and policies that fully engage the campus community. The ideal candidate will share Cal Poly Humboldt's commitment to helping its racially and socioeconomically diverse students succeed in their degree and career objectives.

We value the ability to serve students from a broad range of cultural heritages, socioeconomic backgrounds, genders, ability and orientations. Therefore, we prioritize applicants who demonstrate they understand the benefits diversity brings to a professional educational community. The successful candidate will be an equity-minded individual committed to collaborating with faculty, classified staff, administration, and students who are also committed to closing equity gaps.

RANK, SALARY AND BENEFITS: We seek to fill this position at the Assistant Professor rank; however, rank and salary are dependent on the appointee's qualifications and experience. The Assistant Professor Classification annual salary range for this position is \$64,860 – \$143,928; the anticipated starting annual salary is \$85,000.

Cal Poly Humboldt provides an excellent benefits package for faculty. Information about benefits plans can be found at: <http://www.humboldt.edu/forms/node/934>.

PROFESSIONAL QUALIFICATIONS: An earned Ph.D. or equivalent in Engineering or any appropriate and related field from an accredited college or university is required at the time of appointment. If ABD, degree requirements must be completed by date of appointment. A successful candidate must have education and experience that prepares them to provide rich and varied applied learning opportunities for students related to the priorities described above, to engage in scholarly pursuits, and to contribute meaningful service to the department, college, university, and society.

The successful candidate must demonstrate the following:

- ✓ Academic and/or professional background necessary to contribute to the development and growth of Engineering Programs that serve a diverse student population, with focus areas described above;
- ✓ Potential for, or evidence of effective teaching using a variety of methodologies;
- ✓ Potential for, or evidence of a robust research agenda, scholarship and creative activities;
- ✓ Potential for, or evidence of involving students in research and scholarly activity;
- ✓ Ability and/or interest to teach a broad range of undergraduate and graduate courses that meet program needs;
- ✓ Evidence of ability to communicate engineering design and analysis in a variety of contexts;
- ✓ Commitment to developing applied engineering design projects that engage students in serving authentic community needs;
- ✓ Commitment to and/or experience promoting and fostering a learning environment that is supportive of individuals from diverse backgrounds;
- ✓ Ability to collaborate and communicate effectively with diverse students and colleagues;
- ✓ Commitment to contribute to the departments' mission to support minoritized students; and
- ✓ Commitment to participating in professional development opportunities that build effectiveness in areas of inclusion, intercultural communication, and advancing diversity.

Preferred qualifications for this position include:

- ✓ Evidence for potential for excellence in teaching, scholarship, and service;
- ✓ Experience within the private and/or public sector working with clients, stakeholders, and communities to develop engineering projects and/or analysis;
- ✓ Ability to develop interdisciplinary scholarship that incorporates multiple epistemic frameworks including engineering;
- ✓ Ability to contribute to developing and supporting place-based learning communities;
- ✓ Ability to develop, implement, and assess programs in ways that advance equitable and inclusive learning communities;
- ✓ Research interest and methodologies that contribute to the understanding of diversity and equal opportunity; and
- ✓ Licensure as a professional engineer.

Working in the state of California is a condition of employment for this position. Even if part or all of an employee's assignment can be performed remotely, the employee must maintain a permanent residence in the state of California. The employee must be able to accept on-campus instruction, as assigned, and come to campus when needed.

At the time of appointment, the successful candidate, if not a U.S. citizen, must have authorization from the Bureau of Citizenship and Immigration Services to work in the United States. For information on the University policy on support for non-immigrant probationary faculty visa acquisition, please visit the Faculty Immigration Resources page: <https://hraps.humboldt.edu/faculty-immigration-resources>

Evidence of degree(s) is required at time of hire.

PROFESSIONAL DUTIES: Candidates should be committed to teaching excellence and to building a strong research record. Responsibilities include teaching for the Engineering program; the courses assigned to the candidate will include fundamental (lower division) engineering classes along with courses in Mechanical Engineering, Energy Systems Engineering, and/or Environmental Resources Engineering, and/or at the

graduate level, that align with the candidate's area of expertise. Instructional assignments will be consistent with the programmatic needs of the department and students.

The primary professional responsibilities of instructional faculty members are: teaching, research, scholarship, and creative activity; and service to the University, profession and to the community. These responsibilities include: advising students, participation in campus and system-wide communities, maintaining office hours, working collaboratively and productively with colleagues, and participation in traditional academic functions.

Probationary faculty are provided ongoing mentorship to be a successful member of the faculty. During the first two years of the probationary period, teaching responsibilities will be reduced by approximately one course each semester. The reduced teaching load supports the establishment of research, scholarship and/or creative activities required for retention, tenure, and promotion.

Cal Poly Humboldt also continues to build unique and innovative learning opportunities for students, bridging multiple disciplines across the spectrum. Cal Poly Humboldt is a leader in "learning communities" that build relationships between students, faculty, staff, administrators, and the community. These communities incorporate environmental and social responsibility.

GENERAL INFORMATION: The School of Engineering is part of the College of Natural Resources and Sciences at Cal Poly Humboldt. Our foundational curriculum for engineering students includes emphasizing a systems-thinking approach, skillfully applying computational methods and data analysis, seeking opportunities for applied design work to support learning, and valuing engineering work that is done in service to society.

As part of the transition of Cal Poly Humboldt to a polytechnic university, several new engineering programs expand the opportunities for students and faculty on campus. All engineering programs at Cal Poly Humboldt are coordinated and offered by the School of Engineering. The School of Engineering has a common "first two years" curriculum for the lower division and offers three Bachelors of Science degrees in Engineering to undergraduates: Environmental Resources, Energy Systems, and Mechanical. The School of Engineering also supports two masters programs: Masters of Engineering and Community Practice (a joint, one-year masters offered in collaboration with the Native American Studies department) and a two-year, research-based Masters of Science in Environmental Systems with options in Environmental Resources Engineering and Energy, Technology, and Policy.

Cal Poly Humboldt emphasizes hands-on, place-based learning. Engineering students engage in frequent labs, field trips, and team-based projects, while enjoying a cooperative learning environment in classes that range from 12-70 students. The majority of engineering classes currently have fewer than 25 students. The School of Engineering and the University value diversity, inclusion and equity. Currently $\frac{2}{3}$ of the fifteen tenure-track faculty identify as women, $\frac{2}{3}$ of tenure-track faculty are BIPOC, 30% of engineering students self-identify as underrepresented, 35% of engineering students are first in family to attend university, and 36% of engineering students are Pell Grant eligible.

The Engineering department has direct faculty and student links to the world-famous Arcata Marsh and Wildlife Sanctuary, Schatz Energy Research Center, and the Campus Center for Appropriate Technology. Opportunities exist to collaborate with and/or conduct research through these entities.

Further information can be found online:

- School of Engineering: <https://engineering.humboldt.edu/>
- College of Natural Resources and Sciences: <https://cnrs.humboldt.edu/>
- Cal Poly Humboldt: <https://www.humboldt.edu/>

Cal Poly Humboldt sits on the traditional homelands of the Wiyot people in what is currently called Arcata, CA. The Wiyot people call the area Goudi'ni (over in the woods). The Cal Poly Humboldt campus in Northern California is in close proximity to several thriving Native American tribes and communities. Cal Poly Humboldt currently has the largest percentage of Native American students in the CSU system and has over 30 Native American faculty and staff many from local area California Indian tribes. Cal Poly Humboldt is home to a number of leading Native American programs including the Indian Tribal Education and Personnel Program (ITEPP) and the Indian Natural Resource, Science and Engineering Program (INRSEP). There are also many opportunities at Cal Poly Humboldt to conduct research, teaching and community work on Native American history and cultures in Special Collections at the Cal Poly Humboldt library. The Humboldt Room in the Library has fantastic resources for tribally focused archive materials from the region. Cal Poly Humboldt strives to build a supportive and inclusive Native community and engages with Native communities through various initiatives and opportunities like the annual California Indian Big Time and Indigenous People's Week and a chance to network with other faculty and staff as part of the Cal Poly Humboldt Council of American Indian Faculty and Staff. For more information, please visit: www.humboldt.edu/nasp

APPLICATION: Qualified candidates should submit the following materials through PageUp:
<http://careers.humboldt.edu/hm/en-us/job/534703?ApplicationSubSourceID=>

- ✓ Letter of Application;
- ✓ Curriculum Vitae;
- ✓ Diversity Statement, include your understanding of the barriers facing Black, Indigenous, and other people of Color (BIPOC) in higher education and your past and/or future contributions to inclusive student success, including equitable access and outcomes through teaching and professional or public service. Applicants are encouraged to highlight any contributions they have made towards the inclusivity of students from the LGBTIQ+ community. (2 page limit);
- ✓ Statement of Teaching Philosophy, including how it relates to supporting students who have been historically marginalized and/or minoritized;
- ✓ Statement of Research Interests;
- ✓ Teaching Evaluations, if available;
- ✓ Graduate Transcripts (unofficial copies are sufficient for initial review); and
- ✓ Names and Contact Information for Three (3) Professional References.

Additional application materials may be requested at a later time.

Questions concerning the *application process* may be directed to: aps@humboldt.edu

Questions concerning *this position* may be directed to: Elizabeth Eschenbach, Search Committee Chair, elizabeth.eschenbach@humboldt.edu

Please refer to the requisition job number on all correspondence and inquiries regarding this position.

APPLICATION DEADLINE: This position is open until filled. First consideration will be given to completed applications received no later than **February 15, 2024**, applications received after screening has begun will be considered at the discretion of the university. Early response is encouraged.



See more photos at [Cal Poly Humboldt's Flickr page](#).

It is the responsibility of the applicant to provide complete and accurate employment information. Evidence of required degree(s), certification(s), or license(s) will be required prior to the appointment date. A background check (including a criminal records check, employment verification, and education verification) must be completed satisfactorily as a condition of employment with the CSU. Certain positions may also require a credit check, motor vehicle report, and/or fingerprinting through Live Scan service. Adverse findings from a background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

All CSU employees are obligated to respond to and report incidents of sexual harassment and sexual violence. Compliance with the California Child Abuse and Neglect Reporting Act (CANRA) and CSU Executive Order 1083 Revised July 21, 2017 (EO 1083) is a condition of employment. CSU employees in positions with duties that involve regular contact with children or positions which supervise such employees are designated as Mandated Reporters under CANRA and are required to comply with the requirements set forth in EO 1083. Upon appointment to this position, the successful candidate(s) will be notified of and required to acknowledge their CANRA reporting status.

New employees hired by the CSU for the first time who first become CalPERS members on or after July 1, 2017 are subject to a 10 year vesting period for retiree health and dental benefits.

Cal Poly Humboldt is a Title IX/Affirmative Action/Equal Opportunity Employer. We consider qualified applicants 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. If accommodations need to be made during the recruitment and interview process, please contact Human Resources at (707) 826-3626 or hr@humboldt.edu

At Cal Poly Humboldt, bold hearts and open minds shape the future.

Cal Poly Humboldt is part of the 23-campus California State University system. The University has a comprehensive arts and sciences curriculum, which is recognized nationally for its high academic quality. Founded in 1913, Cal Poly Humboldt began as a small college for teachers. Today Humboldt has grown into a comprehensive university with rigorous science and liberal arts programs. Designated a polytechnic in 2022, Cal Poly Humboldt provides hands-on, impactful educational opportunities that lead to meaningful, measurable outcomes for the individual, for the state, and the world. Cal Poly Humboldt is proud to have nearly 6,000 students of all backgrounds spread across 61 majors, 13 graduate programs, and 4 credential programs — all of whom contribute passion and creativity within their fields and set the stage for a future grounded in equity and sustainability. Hands-on learning, inspired teaching, groundbreaking research, and thought-provoking creative activity happen daily at Humboldt. Finding a better future is a task for the bold, open, down-to-earth, and visionary. Cal Poly Humboldt strives to cultivate these qualities in leaders, innovators, and scholars in every field.

Cal Poly Humboldt's main campus is located in Arcata, California, in the northwestern part of the state along the coast, situated among redwood trees in an area that offers unmatched scenic beauty, moderate climate and opportunities for outdoor activities. The surrounding Humboldt County locale has a population of around 130,000. The community offers an excellent range of businesses, services and cultural activities/performances. The local schools are ranked in the top performance percentiles, both nationally and in the state. Additional information about Cal Poly Humboldt can be found at: <http://www.humboldt.edu>.