

Faculty position in Civil and Environmental Engineering at Cornell University

The School of Civil and Environmental Engineering at Cornell University (Ithaca campus) invites applications for a faculty position (all ranks considered) in the broad areas of natural and engineered systems and their robustness, resiliency and sustainability in the face of climate change and extreme events. Some areas of interest include, but are not limited to:

- Resilience and/or robustness to extreme events, natural catastrophes, human-induced disasters, and compound hazards
- Structures under mechanical and environmental fluctuations
- Advances in subsurface and above-ground systems for sustainable climate solutions
- Sustainable materials
- Advances in sensing systems for emissions quantification, fate and transport of pollutants
- The intersection of human, urban and ecosystem health
- Marine energy
- Resiliency and robustness to high percentages of intermittent energy sources
- Coastal extremes and sea level rise
- Water scarcity
- Smart infrastructure
- Inter-disciplinary approaches to robustness, resiliency and sustainability of nature and the built environment

Computational, theoretical, or experimental research programs are encouraged. In general, we prioritize the overall originality and promise of the applicant's work, rather than the sub-area of specialization. This includes fundamental science that informs applied research fields as well as impactful applied research. While not required, utilization of our significant laboratory facilities, including the Bovay Laboratory Complex, the Environmental Fluid Mechanics Teaching Laboratory, the DeFrees Hydraulics Laboratory, and the Cornell High Energy Synchrotron Source will be favorably considered.

The potential to form large research teams or [radical collaborations](#) to address complex problems will be viewed favorably, as well as potential linkages to Cornell Tech (NYC campus). Cornell University fosters interdisciplinary research and an atmosphere of cooperation through its Centers and Field system. Faculty will have outstanding opportunities and are expected to collaborate with faculty, research scientists, and graduate students across many Fields (e.g., Earth Sciences, Mechanical and Aerospace Engineering, Computer Science, Systems Engineering, Electrical and Computer Engineering, Operations Research and Information Engineering, Ecology & Evolutionary Biology, Natural Resources and the Environment, Design and Environmental Analysis, Landscape Architecture), and Centers/Facilities (e.g., Center for Advanced Computing, Center for Applied Math, Cornell Atkinson Center for Sustainability, Institute for Computational Sustainability, AI for Science Institute, AFRL Regional Network Mid-Atlantic Hub).

The School of Civil and Environmental Engineering at Cornell embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty and staff of all identities and backgrounds. We strongly encourage individuals from underrepresented and/or marginalized identities to apply. **Applications must be submitted online at:**

<https://academicjobsonline.org/ajo/jobs/26388>

Candidates must hold a doctorate in an appropriate field and are expected to establish an outstanding, externally funded research program as well as to contribute fully to both undergraduate and graduate instruction in Civil and Environmental Engineering. Applicants at the assistant professor level are strongly encouraged and candidates at the associate and full professor levels will also be considered. The salary range reflects an aggregate of qualifications and disciplines across Cornell University.

Assistant Professor: \$79,400 - \$211,600

Associate Professor: \$97,500 - \$239,000

Full Professor: \$109,500 - \$329,600

The hiring rate of pay for the successful candidate will be determined considering the following criteria:

Prior relevant work or industry experience.

Education level to the extent education is relevant to the position.

Academic Discipline (faculty pay ranges reflects 9-month annual salary)

Unique applicable skills.

Review of applications will begin Dec 10, 2023 and will continue until the position is filled.

Applicants should submit a curriculum vitae, a research statement (two pages maximum) and a teaching statement (two pages maximum). We also ask applicants for all faculty positions to share their experiences and/or approaches (past, current, or future) to fostering learning, research service, and/or outreach in a diverse community. Applicants may choose to submit a stand-alone statement (two pages maximum) or embed the information in other parts of their application materials. In addition to the statements, candidates should include one to three publications or manuscripts, and provide contact information for at least three references. Questions can be directed to cee_search@cornell.edu

Diversity and Inclusion are part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

With our main campus located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and Doha, Qatar, as well as the Cornell Tech campus located on Roosevelt Island in the heart of New York City.

Cornell offers a rich array of services, programs and benefits to help employees advance in their career and enhance the quality of personal life, including: employee wellness, workshops, childcare and adoption assistance, parental leave, flexible work options.