

Assistant/Associate/Full Professor in the area of Dynamics
related to Structures and Materials
Cornell University

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Posted Oct. 15, 2024, set to expire Feb. 14, 2025

Job Title	Assistant/Associate/Full Professor in the area of Dynamics related to Structures and Materials
Department	School of Civil and Environmental Engineering https://www.cee.cornell.edu/cee
Institution	Cornell University Ithaca, New York
Date Posted	Oct. 15, 2024
Application Deadline	open until filled
Position Start Date	Summer/Fall 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Structural Engineering Mechanical Engineering Civil Engineering Engineering - Other
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Job Description

Assistant/Associate/Full Professor in the area of Dynamics related to Structures and Materials

The School of Civil and Environmental Engineering at Cornell University (Ithaca campus) invites applications for a tenure-track faculty position in the broad area of dynamics related to the mechanics of structures and materials. Our definition of structures is broad and includes buildings, bridges, dikes,

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wind turbines, and solar devices/solar panels.

We are interested in applicants whose research is related to any of the following or related areas:

- Material and/or structural response to dynamic loading arising from wind, waves, blast, seismic waves
- Sensors, sensing applications, structural health monitoring, and related data fusion problems
- Materials and/or structural design considering dynamic loading from extreme weather, natural or man-made hazards.
- Vibration control and tuned damping, sustainable energy technologies, energy harvesting

Computational, theoretical, or experimental research programs are all encouraged. In general, we prioritize the overall originality and promise of the applicant's work, rather than the sub-area of specialization.

Applicants must hold a Ph.D. and will be expected to maintain a rigorous program of leading-edge research and contribute to the undergraduate, Master of Engineering, and M.S./Ph.D. course curricula in structural dynamics and other courses within a focus area related to the mechanics of structures and materials. The ability to form large research teams to address complex problems will be viewed favorably, as well as utilization of our laboratory facilities and potential linkages to Cornell Tech (NYC campus).

Applicants at the assistant professor level are strongly encouraged and candidates at the associate and full professor levels will also be considered. Salary and rank will be commensurate with qualifications and experience. **Review of applications will begin Dec 1, 2024** and will continue until the position is filled.

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.

Application materials must be submitted on-line at:

<https://academicjobsonline.org/ajo/jobs/28645>

Applicants should submit a curriculum vitae and three brief statements (1-2 pages per statement): (1) a research statement, (2) a teaching statement, and (3) a statement of contributions to diversity, equity, and inclusion (DEI). Candidates are encouraged to review Cornell University's guidance **for writing DEI statements** [here](#). In addition to the statements, candidates should include one to three

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publications or manuscripts, and provide contact information for at least three references. Questions can be directed to cee_search@cornell.edu.

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.

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.

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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.

EEO/AA Policy

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Jeannette Little
School of Civil and Environmental Engineering
Cornell University
Ithaca, NY 14853-3501

Contact E-mail cee_search@cornell.edu