

Professor of the Practice in Transportation Engineering
Cornell University

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Posted Nov. 4, 2025, set to expire Mar. 19, 2026

Job Title	Professor of the Practice in Transportation Engineering
Department	School of Civil and Environmental Engineering https://www.engineering.cornell.edu/cee/
Institution	Cornell University Ithaca, New York
Date Posted	Nov. 4, 2025
Application Deadline	open until filled
Position Start Date	Spring or Summer of 2026
Job Categories	Prof of Practice/Clinical Prof
Academic Field(s)	Transportation Engineering Civil Engineering Engineering - Other
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Job Description

Professor of Practice in Transportation Engineering

The School of Civil and Environmental Engineering (CEE) at Cornell University invites applications for a non-tenure-track position as the Mark G. Fornasiero '89 Professor of Practice in Transportation Engineering. We seek an educator and practitioner whose expertise bridges transportation systems modeling and contemporary challenges in mobility, sustainability, and infrastructure resilience. This position is intended for professionals with substantial experience in industry, consulting, or government, or for academics whose work focuses on applied, industry-relevant transportation

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problems or emerging analytical methods in the field.

The successful candidate will strengthen Cornell's transportation program through innovative teaching, applied research, and engagement with emerging technologies and societal needs in areas such as:

- Advanced transportation systems modeling and simulation that could involve integrated machine learning and network equilibrium/simulation, surrogate models/ reduced order emulators or Bayesian or interpretable machine learning.
- Simulation and optimization of on-demand transportation services or novel transit systems and sustainable transportation
- Urban mobility and congestion management
- Integration of transportation, energy, environmental and public health, and land use
- Autonomous and connected vehicle systems
- Transportation resilience and climate adaptation
- Data-driven transportation policy and decision support
- Freight and logistics modeling
- Cybersecurity and logistics systems
- Cutting edge computational methods including domain informed neural networks, explainable AI, hierarchical reinforcement learning and multi-scale optimization

This broad set of interest areas reflects our openness to diverse expertise that can strengthen and complement our programs. We do not expect any single individual to contribute across all these topics. The list is illustrative and not intended to be exhaustive.

A successful applicant will be expected to do some of the following:

- Teach undergraduate and graduate courses in transportation systems analysis, modeling, and planning, with emphasis on emerging technologies and methods.
- Develop new curricular offerings that integrate advanced data analytics, AI/ML methods, and simulation tools into transportation engineering education.
- Lead student-centered, project-based learning that incorporates real-world data, industry challenges, and stakeholder perspectives.
- Collaborate with faculty and external partners to design applied research and capstone projects addressing contemporary transportation challenges.
- Foster connections with industry, government, and non-profits to ensure that students gain practical insight into evolving transportation systems and policies.

This is a 12-month position that is anticipated to be a five-year renewal position based on performance

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and the availability of funding. The position may include research activities in addition to teaching and advising, depending on the candidate's interest. The successful applicant will have the opportunity to interact broadly with faculty and students within the School of Civil and Environmental Engineering, the College of Engineering, Cornell Tech, and the Cornell Atkinson Center for a Sustainable Future. It is anticipated that the successful candidate will begin in the Spring or Summer of 2026.

Salary will be commensurate with qualifications and experience. Candidates must have significant industrial or governmental experience and hold a master's or Ph.D. degree. Review of applications will begin immediately and will continue until the position is filled.

Application materials must be submitted on-line at: <https://academicjobsonline.org/ajo/jobs/30993>

Applicants should submit a cover letter (that highlights their practical experience, their teaching potential and any particular research interests), curriculum vitae and provide contact information for at least three references. Questions can be directed to cee_search@cornell.edu

Cornell is an equal opportunity employer. For more information, visit hr.cornell.edu/eeo.

The salary range reflects an aggregate of qualifications and disciplines across Cornell University.

- Asst/Assoc/Full Professor of Practice \$58,300 - \$237,300.

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.

EEO/AA Policy

Cornell welcomes students, faculty, and staff with diverse backgrounds from across the globe to pursue world-class education and career opportunities, to further the founding principle of "... any person ... any study." No person shall be denied employment on the basis of any legally protected status or subjected to prohibited discrimination involving, but not limited to, such factors as race, ethnic

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or national origin, citizenship and immigration status, color, sex, pregnancy or pregnancy-related conditions, age, creed, religion, actual or perceived disability (including persons associated with such a person), arrest and/or conviction record, military or veteran status, sexual orientation, gender expression and/or identity, an individual's genetic information, domestic violence victim status, familial status, marital status, or any other characteristic protected by applicable federal, state, or local law.

Cornell University embraces diversity in its workforce and seeks job candidates who will contribute to a climate that supports students, faculty, and staff of all identities and backgrounds. We hire based on merit and encourage people from historically underrepresented and/or marginalized identities to apply. Consistent with federal law, Cornell engages in affirmative action in employment for qualified protected veterans as defined in the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and qualified individuals with disabilities under Section 503 of the Rehabilitation Act. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations in accordance with applicable law.

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.

We offer 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.

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

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