COLUMBIA UNIVERSITY  School of Engineering and Applied Science

Faculty Position in Civil Engineering and Engineering Mechanics in the Data Science Institute

The Department of Civil Engineering and Engineering Mechanics at Columbia University in the City of New York invites applications for a tenured or tenure-track faculty position. The appointment will be made in the Department of Civil Engineering and Engineering Mechanics and will be affiliated with Columbia’s multi-disciplinary Data Science Institute. A secondary appointment in the Department of Industrial Engineering and Operations Research (or another department within the School of Engineering and Applied Science) is possible. Appointments at the assistant professor, associate professor and full professor levels will be considered.

Applications are specifically sought in the areas of urban systems modeling and simulation, complex and interdependent dynamic networks, as well as transportation and energy systems performance assessment and optimization. Candidates whose research involves the integration of rapidly emerging large data streams into modeling and simulation are of particular interest.

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor and Associate Professor without tenure must demonstrate the potential to do pioneering research and to teach effectively. Applicants for this position at the tenured level (Associate or Full Professor) must have a demonstrated record of outstanding research accomplishments, excellent teaching credentials and established leadership in the field.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and contributing to the undergraduate and graduate educational mission of the Department. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across the university. This position particularly seeks candidates whose research focus intersects with the field of data sciences and can take full advantage of the Data Science Institute at Columbia. Qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community are strongly encouraged.

For additional information and to apply, please see: http://engineering.columbia.edu/faculty-job-opportunities or academicjobs.columbia.edu/applicants/Central?quickFind=61612. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work. All applications received by January 15, 2016 will receive full consideration.


Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.