

Tenure-Track Faculty Position in Construction Engineering and Management

Department of Civil, Architectural, and Environmental Engineering
Illinois Institute of Technology, Chicago, IL, USA

The Department of Civil, Architectural, and Environmental Engineering (CAEE) in the Armour College of Engineering at the Illinois Institute of Technology (Illinois Tech) invites applications for a tenure-track faculty position in construction engineering and management. Candidates are sought primarily at the Assistant Professor level, but mid-career and senior candidates with a strong record of sustained success in research, teaching, and service will also be considered. The expected start date is August 2025.

Priority areas of research and education for this position include but are not limited to sustainable construction that drives decarbonization (e.g., reduction in embodied carbon and carbon emissions, green buildings, and impacts associated with energy efficiency), smart, sustainable, and resilient infrastructure systems and built environments, and innovative methods or technologies in decision-making, contracting, financing, risk analysis, and other elements of projects for the built environment.

Successful candidates are expected to initiate and sustain a vibrant externally funded research program that supports graduate students and leads to a strong record of published research; to teach foundational and applied courses in construction engineering and management (e.g., construction project operations and cost accounting, project delivery, and construction methods, estimating, planning, and scheduling); to support oversight and management of programs and coursework in construction engineering and management; to advise and mentor students and student organizations; to build and sustain industry partnerships; and to assume leadership roles in service of their profession. Practical experience in the U.S. construction industry is desirable.

Illinois Institute of Technology is a private, Ph.D.-granting research university with world-renowned programs in architecture, engineering, computing, the sciences, humanities and social sciences, psychology, business, law, and design. It is ranked #1 in Illinois and #23 nationally in the *Wall Street Journal's* "America's Best Colleges 2024." Founded in 1890, Illinois Tech was built to provide access to higher education for students from all backgrounds and to make a difference in the world through technology-oriented education. This guiding mission and purpose – where students could prepare for meaningful roles in a changing society and achieve professional and economic advancement – remains just as relevant today. As such, diversity and inclusion are part of the day-to-day experience here and a central component of our culture. Illinois Institute of Technology today is home to a diverse and global student population; is committed to providing opportunities to enhance the diversity of its faculty and staff; and strongly encourages applicants from all backgrounds to apply for this position, especially those underrepresented in the field.

At the time of appointment, applicants must hold an earned doctorate in civil engineering, construction engineering, or related fields with an emphasis in construction engineering and management. Faculty members in the department are expected to initiate and sustain a vibrant, externally funded research program that supports graduate students and leads to a strong record of published research. The department strongly encourages cross-cutting and collaborative research. Successful candidates are

expected to demonstrate a strong commitment to undergraduate and graduate teaching in and diversity, equity, and inclusion through research, teaching, and/or service endeavors.

The CAEE Department at Illinois Tech offers ABET-accredited Bachelor of Science degrees in civil engineering and architectural engineering, as well as a variety of master's degrees and doctoral degrees in civil, architectural, and environmental engineering and related disciplines. The Master of Engineering in Construction Engineering and Management, which this position will strongly support, is the largest graduate program in the department. The department has 15 full-time faculty, 4 full-time staff, over 200 undergraduate students, and over 200 graduate students. Among an array of recent investments, in 2020 the CAEE Department received a large gift from Trimble to establish a state-of-the-art Technology Lab, expanding the university's expertise in civil and environmental infrastructure, building construction field systems, and project controls and collaboration. The newly created Trimble Technology Lab allows Illinois Tech to integrate cutting-edge technology into its curricula, empowering graduates to rapidly transform how buildings and living environments are designed and constructed. More information on faculty, teaching, research, facilities, and degree programs in the CAEE Department can be found at: <https://www.iit.edu/caee>.

The application package must include (i) a cover letter, (ii) curriculum vitae, (iii) a statement of research interests, (iv) a statement of teaching philosophy, (v) a statement on the candidate's commitment to equity and inclusion in education, and (vi) contact information for at least three references emailed as a *single* PDF file (with file structure *lastname_firstname.pdf*) to CAEE-hiring-TT@iit.edu. The one-page statement on equity and inclusion should address specific past and/or potential contributions to the equitable and inclusive delivery of academic instruction and support to students from diverse backgrounds of countries, cultures, and socioeconomic conditions. To ensure full consideration, applications must be received by January 15, 2025; however, review of applications will continue until the position has been filled. Additional questions regarding the position should be emailed to Dr. Brent Stephens, Arthur W. Hill Endowed Professor and Department Chair, at brent@iit.edu.

Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing excellence, equity, inclusion, and diversity within its community. Illinois Institute of Technology is committed to fostering an inclusive environment and actively seeks applications from individuals of all backgrounds and identities regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, unfavorable discharge from the military, status as a protected veteran, sexual orientation, including gender identity and expression, order of protection status, genetic information, and any other protected class. All qualified applicants will receive equal consideration for employment.