

Tenure Track Faculty
Rochester Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=246378>

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Posted Oct. 3, 2024, set to expire Jan. 31, 2025

Job Title	Tenure Track Faculty
Department	Civil Engineering Tech & Environmental Mgmt
Institution	Rochester Institute of Technology Rochester, New York
Date Posted	Oct. 3, 2024
Application Deadline	Open until filled
Position Start Date	August 2025
Job Categories	Associate Professor Assistant Professor
Academic Field(s)	Ecological and Environmental Civil Engineering Transportation Engineering Structural Engineering Geotechnical
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Job Description

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Tenure Track Faculty

9235BR

College of Engineering Technology

CET Dept of Civil Engineering Tech & Environmental Mgmt

Faculty Type (Tenure Status):

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Tenure-Track

Faculty Discipline:

Faculty Rank: Assistant Professor, Associate Professor

Employment Category: Fulltime

Anticipated Start Date: 13-Aug-2025

Detailed Job Description

The Department of Civil Engineering Technology, Environmental Management and Safety in the College of Engineering Technology at RIT invites applications for a full-time tenure-track assistant or associate professor position in the field of civil engineering, beginning August 2025, with special interest in candidates whose research intersects with artificial intelligence (AI), or which makes use of AI techniques. Candidates for this position will be expected to teach, publish, and conduct externally funded research in areas broadly related to the Civil Engineering field. Background in geotechnical engineering, structural engineering, transportation engineering, construction engineering or water resources engineering is desired. Successful candidates will be expected to be able to apply AI in areas such as smart city data collection and analysis, structural health monitoring, infrastructure sustainability analysis, optimization in structural design, construction safety monitoring, and disaster response, and are expected to contribute to the scholarship of the department and college through externally funded research and through teaching and mentoring of BS and MS students. Salary range will adjust if hired at Associate Professor level.

Responsibilities:

- **Teaching:** Develop and teach undergraduate and graduate courses in civil engineering technology and/or smart city construction management, with a focus on one of the following disciplines: geotechnical engineering, structural engineering, transportation engineering, construction engineering or water resources engineering. Engage in innovative curriculum development and contribute to the continuous improvement of academic programs. Mentor and advise students, fostering their academic and professional growth. Student engagement in the classroom using activity based pedagogical strategies is expected, along with participation in KEEN and other effective teaching workshops.
- **Research:** Conduct research in a well-defined focus area related to civil engineering, secure external funding, and publish research findings in high-impact, peer-reviewed journals and present at national and international conferences. Areas of research could include smart city data analytics, structural health monitoring, sustainable and resilient infrastructure, carbon capture and storage in civil engineering, and AI applications in civil engineering. CET has invested in the development and growth of Research Impact Areas: Forging our Future; Toward a Safer Society, Expanding Human Capacity. These faculty-led collaborative research groups leverage existing

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expertise and nurture the next generation of faculty leadership.

- **Service:** Contribute to the department, college, and university through committee work and other service activities. Maintain a clear professional development agenda to support the department's growth. Engage with industry stakeholders and professional organizations to promote the field of civil engineering technology. Participate in outreach activities to disseminate knowledge and enhance the visibility of the department and institution.

RIT is committed to being a student-centered research university. As part of that commitment, assistant professors will be offered a low teaching load, a mid-tenure review in the third year, with tenure review during year six, after which the teaching load will be adjusted according to the intensity of the research load. The typical teaching load in the College of Engineering Technology for tenure-track assistant professors is 3 courses per academic year. RIT will provide reasonable startup funding for graduate students, equipment, and travel in support of building an outstanding research program. The university provides support for gaining external funding, including several internal seed funding opportunities.

We are seeking an individual who has the ability and interest in contributing to a community committed to student centeredness; professional development and scholarship; integrity and ethics; respect, diversity and pluralism; innovation and flexibility; and teamwork and collaboration. Select to view links to RIT's https://apptrkr.com/get_redirect.php?id=5694503&targetURL=, optimization in structural design, construction safety monitoring, and disaster response, and are expected to contribute to the scholarship of the department and college through externally funded research and through teaching and mentoring of BS and MS students. Salary range will adjust if hired at Associate Professor level.

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Learn more about our excellent benefits, including tuition benefits, by visiting:

<https://www.rit.edu/humanresources/regular-employee-benefits>

Department/College Description

The College of Engineering Technology (CET) is home to nine undergraduate and six graduate programs. It is one of RIT's nine colleges and enrolls approximately 12% percent of the university's students. CET prides itself on its constant evolution, innovation, and global outreach via online learning, corporate education, and international programs. CET is known throughout the RIT, national, and international communities as an excellent choice for an education that embraces the integration of "hands-on-minds-on learning" and application-based instruction grounded in science, technology, engineering, and mathematics (STEM) (www.rit.edu/cet). CET supports all students in an inclusive learning environment and welcomes a diverse student body where first generation and AALANA

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(African American, Latin American and Native American) represent greater than 20% of our undergraduate population.

The Department of Civil Engineering Technology, Environmental Management and Safety (CETEMS) was founded in 1972. The programs offered by CETEMS represent the professions central to the design, construction, operation, and maintenance of the built environment. The department's vision is to be a recognized national leader in the preparation of skilled professionals in: civil engineering technology; environmental sustainability, health and safety management and construction management. The CETEMS mission is to achieve its vision by creating and maintaining an optimal teaching and learning environment in which staff and faculty grow professionally and students receive unsurpassed knowledge, skills, insights and the tools for lifelong learning in their respective disciplines.

Required Minimum Qualifications

- Ph.D. (or similar terminal degree) in civil engineering or a closely related field by the time of appointment.
- Demonstrated high-quality teaching, using research-based pedagogical strategies, in one or more areas related to the civil engineering disciplines: geotechnical engineering, structural engineering, highway and transportation engineering, water resources and environmental engineering, construction engineering, or other relevant areas.
- Demonstrated potential for high-quality research in civil engineering including meaningful journal publications and/or conference proceedings.
- Demonstrated potential for establishing and conducting sponsored research in civil engineering.
- Demonstrated ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

How To Apply

Apply online at <http://careers.rit.edu/faculty>; search openings, then Keyword Search 9235BR. Please submit your application, curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments:

- A brief teaching philosophy
- The names, addresses and phone numbers for three references
- [Contribution to Diversity Statement](#)
- Research Statement



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Additional Details

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov.

Hourly/Salary Minimum: 92000

Hourly/Salary Maximum:100000

Contact Information

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

Contact

Civil Engineering Tech & Environmental Mgmt
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