

Tenure Track Faculty
Rochester Institute of Technology

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Posted Oct. 9, 2024, set to expire Feb. 1, 2025

Job Title	Tenure Track Faculty
Department	Mechanical Engineering
Institution	Rochester Institute of Technology Rochester, New York
Date Posted	Oct. 9, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Mechanical Engineering
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Job Description

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Tenure Track Faculty

9229BR

Kate Gleason College of Engineering

KGCOE Mechanical Engineering

Faculty Type (Tenure Status): Tenure-Track

Faculty Discipline: Mechanical Engineering

Faculty Rank: Assistant Professor, Associate Professor

Employment Category: Fulltime

Anticipated Start Date: 13-Aug-2025

Detailed Job Description

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RIT's Department of Mechanical Engineering invites applications for two tenure-track faculty positions at the rank of assistant or associate professor. We are looking for highly motivated individuals to join a diverse, vibrant community of scholar-teachers. Successful candidates for the rank of assistant professor are expected to build and sustain a strong externally funded research program, advise Ph.D. and master's students, develop and teach undergraduate and graduate classes, advise undergraduate researchers and design teams, and work collaboratively to advance the department's goals. Successful candidates at the rank of associate professor are expected to build upon an established history of external funding support and scholarly output, a commitment to educational excellence, a track record of advising Ph.D. and master's students, and a strong desire to advance department and college initiatives. For one position we are seeking candidates with interests and expertise in the field of advanced manufacturing. This includes, but is not limited to, topics such as materials engineering and processing, cyber manufacturing, integration of artificial intelligence, manufacturing across the length scales, etc. The second position is a broad search that will consider all traditional disciplines within the field of mechanical engineering. Successful candidates for both positions should outline a clear, bold, and ambitious plan for how their research will integrate with, and advance, the [7 key research initiatives](#) of the Kate Gleason College of Engineering: 1) advanced manufacturing, 2) artificial intelligence and machine learning systems, 3) biomedical and healthcare engineering, 4) cyber-physical systems, 5) data analysis, modeling and simulations, 6) energy and environment, and 7) micro-nanoscale systems, devices, and materials.

We are seeking individuals who are able and interested 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 [core values](#), [honor code](#), and [statement of diversity](#).

Department/College Description

With over 1000 undergraduate and graduate students, the Mechanical Engineering Department is the largest of the six academic departments in the Kate Gleason College of Engineering. The department includes 23 tenured and tenure-track faculty, 15 lecturers, and 11 staff members. The department offers a five-year BS in Mechanical Engineering with options in automotive engineering, aerospace engineering, energy and the environment, and bioengineering and an accelerated BS-ME/MS program. Graduate programs include an MS and ME in Mechanical Engineering managed by the department and a PhD in Mechanical and Industrial Engineering managed centrally by the college along with three other PhD programs. Faculty research is supported by many core facilities across campus including a fully staffed mechanical engineering machine shop providing machining, fabrication, design, and manufacturing services, the AMPrint Center for Additive Manufacturing and Multifunctional Printing, a

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NY State Center for Advanced Technology, a high-performance computing cluster through RIT Research Computing, and the Semiconductor Nanofabrication Laboratory and cleanroom facilities.

The [Kate Gleason College of Engineering | RIT](#) offers bachelor's and master's in biomedical engineering, chemical engineering, computer engineering, electrical engineering, industrial engineering, mechanical engineering, and microelectronics engineering as well as four Ph.D. degrees in biomedical and chemical engineering, electrical and computer engineering, mechanical and industrial Engineering, and microsystems engineering and additional master's programs in engineering management and leadership. Serving over 2600 undergraduates and 400 graduate students, the college is committed to growing its research profile while maintaining a strong commitment to undergraduate education. Major research themes include advanced manufacturing; biomedical and healthcare engineering; artificial intelligence and machine learning; cyber-physical systems; micro- and nanoscale systems devices and materials; energy and environment; and data analysis modeling and simulation. Hallmarks of the undergraduate experience include one full year of cooperative education, an innovative multidisciplinary senior design program, and an impressive variety of well-supported student teams and clubs.

Required Minimum Qualifications

- Doctorate in Mechanical Engineering or closely related field
- Ability and commitment to effectively teach and mentor undergraduate and graduate students
- Record of disseminating scholarly research in refereed (peer-reviewed) publications
- Demonstrated ability or potential to establish an independent externally sponsored research program
- Excellent communication skills
- Ability to contribute meaningfully to the university's continuing commitment to cultural diversity, pluralism, and individual differences.
- Interest in working in a collaborative, collegial environment

Required Minimum Education Level

PhD

Required Application Documents

Cover Letter, Curriculum Vitae or Resume, List of References, Research Statement, Statement of Diversity Contribution, Statement of Teaching Philosophy

How To Apply

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Apply online at <http://careers.rit.edu/faculty>; search openings, then Keyword Search 9229BR. Please submit your application, curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments:

- Research Statement (3-page limit)
- Statement of Teaching Philosophy (2-page limit)
- Statement of Diversity Contribution (1-page limit)
- List of three references

Questions for the search committee should be directed to Dr. Rui Liu (rlme@rit.edu). Review of applications will begin on December 1 and continue until the position is filled.

The direct link to this posting can be found here: <https://sjobs.brassring.com/>

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: 90000

Hourly/Salary Maximum:150000

Contact Information

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

Contact

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