Assistant/Associate Professor of Microsystems Engineering

Kate Gleason College of Engineering
KGCOE PhD Microsystems Engineering

Detailed Job Description

The PhD. Program in Microsystems Engineering in the Kate Gleason College of Engineering at the Rochester Institute of Technology invites applications for a tenure and/or tenure-track faculty position at the Assistant or Associate Professor levels. Successful candidates will be expected to establish and sustain an outstanding research program and must have the ability to teach effectively at both the undergraduate and graduate levels. Those considered for the Associate Professor level must demonstrate an established record in funded research.
Research areas of special interest include:
Advanced electronics and photonics integration: heterogeneous integration; post-cmos electronics; integration via the 3rd dimension; network-on-a-chip architectures; atomic photonic integration; and energy efficient devices.
Biomedical microsystems: biomechanics; micro-fluidics; system-on-a-chip; tissues and organs on a chip; and micro-sensors.
Quantum devices and systems with applications in communications and sensing: quantum devices and systems; cyber-physical systems; and quantum-assisted sensing.
Information about the program can be found at: http://www.rit.edu/kgcoe/microsystems/

Department/College Description

The Kate Gleason College of Engineering has established its reputation as a preeminent provider of career-oriented engineering education with a rapidly growing commitment to research. It offers bachelor degree programs in biomedical, chemical, computer, electrical, industrial, mechanical and microelectronic engineering, and comprehensive, innovative graduate programs in a range of engineering disciplines including a cross-disciplinary doctoral degree in engineering. For more information visit http://www.rit.edu/kgcoe/.

The RIT and Rochester Community

RIT is a national leader in professional and career-oriented education. Talented, ambitious, and creative students of all cultures and backgrounds from all 50 states and more than 100 countries have chosen to attend RIT. Founded in 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges emphasizing career education and experiential learning. With approximately 15,000 undergraduates and 2,900 graduate students, RIT is one of the largest private universities in the nation. RIT offers a rich array of degree programs in engineering, science, business, and the arts, and is home to the National Technical Institute for the Deaf. RIT has been honored by The Chronicle of Higher Education as one of the "Great Colleges to Work For" for four years. RIT is a National Science Foundation ADVANCE Institutional Transformation site. RIT is responsive to the needs of dual-career couples by our membership in the Upstate NY HERC.

Rochester, situated between Lake Ontario and the Finger Lakes region, is the 51st largest metro area in the United States and the third largest city New York State. The Greater Rochester region, which is home to nearly 1.1 million people, is rich in cultural and ethnic diversity, with a population comprised of approximately 18% African and Latin Americans and another 3% of international origin. It is also home to one of the largest deaf communities per capita in the U.S. Rochester ranks 4th for "Most Affordable City" by Forbes Magazine ,and MSN selected Rochester as the "#1 Most Livable Bargain Market" (for real-estate). Kiplinger named Rochester one of the top five "Best City for Families."

Required Minimum Qualifications

- A doctorate in engineering or a related area from an accredited university.
- An established record in publication in peer reviewed journals
- An established funded research program
- An established teaching record

Required Minimum Education Level   PhD
Faculty Type (Tenure Status)   Tenure-Track, Tenured
Faculty Discipline   Microsystems Engineering
Faculty Rank   Assistant Professor, Associate Professor
Employment Category   Fulltime

Required Application Documents

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

How to Apply

Please apply online at http://careers.rit.edu/faculty Keyword Search 4131BR. Please submit your: online application; curriculum vita; cover letter; and upload the following attachments:

- Statement of Research
- Statement of Teaching Philosophy
- List of Publications
- Names and contact information of four references

Nominations and applications will be considered until the position is filled.