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Requisition Number: 4214BR

Posting Rank: Assistant Professor

Organization: Computing Security

Posting Tenure Status: Tenure-Track

College/Division: Golisano College of
Computing & Info Sciences

Anticipated Start Date: August 14, 2019

DETAILED JOB DESCRIPTION:

Please note: This position announcement is for an anticipated opening that may occur for Fall 2019

The B. Thomas Golisano College of Computing and Information Sciences (GCCIS) invites applications for a full-time tenure-track assistant professor position in the Department of Computing Security. We encourage strong candidates whose research focuses are in, but not limited to, the following areas: privacy, usable security, threat modeling, malware and digital forensics, network and system security, and applications of Artificial Intelligence and Machine Learning in computing security.

RIT is making a major investment in cybersecurity, spurred by a recent gift of \$20 million by alumnus Austin McChord and a \$5 million investment by New York State. We are planning a new 45,000-sq. ft. building wing dedicated to a new Global Cybersecurity Institute (GCI) that will both open in the summer of 2020, helping to further establish RIT as a leader in this field. Currently, we operate a Center for Cybersecurity that brings together over 30 faculty members from across the Institute to address the growing challenges in cybersecurity with an interdisciplinary approach. While successful candidates will be appointed to the Department of Computing Security, they will be expected to collaborate across departments and colleges, to play critical roles in advancing research and education in cybersecurity, and to contribute to the growth of the Center and the future GCI. Please visit <https://cybersecurity.rit.edu> for more information about the Cybersecurity Center at RIT.

We are seeking an individual who has the ability and interest in contributing to a community committed to RIT's [core values](#), [honor code](#), and [diversity commitment](#).

THE COLLEGE/DEPARTMENT:

The College: The B. Thomas Golisano College of Computing and Information Sciences is the largest of RIT's nine colleges, and has an enrollment of over 3,000 undergraduate students and 800 graduate students. The college, with over 100 faculty members, is housed in a modern facility equipped with numerous teaching and research laboratories. The college is home to the departments of Computer Science, Computing Security, Information Sciences and Technologies, Software Engineering, the School of Interactive Games and Media and a college-wide Ph.D. program, providing many opportunities for cooperation and research collaboration within and beyond the college.

Computing Security: In July of 2012, the Department of Computing Security at RIT was established to address critical security challenges cutting across computing disciplines. The department currently has 16 full-time faculty members and is committed to excellence in teaching and research. The department offers the Bachelor of Science and Master of Science degrees in computing security with current enrollment of 350 and 50 students, respectively. We also have a PhD program, which is administered within the B. Thomas Golisano College of Computing and Information Sciences. We are designated as one of the National Centers for Academic Excellence in Cyber Defense by the Department of Homeland Security and National Security Agency. The department seeks to advance the computing security discipline and to meet the rapidly growing need of computing security professionals in the workforce. RIT's cyber defense team is a perennial contender in the National Collegiate Cyber Defense Competition and won the national championship in 2013. The department engages in a wide range of research in topics such as Adversarial Machine Learning, Applied Cryptography, Privacy, Digital Forensics, Network Security, Usable Security, and Cybersecurity Pedagogy.

THE UNIVERSITY 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:

- PhD in a computing or related discipline by date of appointment.
- Recent scholarly dissemination record that demonstrates exceptional potential in cybersecurity research from the perspective of the candidate's discipline of expertise. Scholarly dissemination includes presentations in academic conferences, publications in peer-reviewed journals, or development of peer-reviewed software products or data sets.
- Demonstrated evidence of experience or potential to establish an independent, externally funded research program.
- Commitment and potential to teach effectively at the undergraduate and graduate levels, and the ability to mentor students in research at the doctoral, masters, and undergraduate levels.

- An interest in working in a collaborative, collegial department and among colleagues in the department, college, and institution.
- 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 4214BR. Please submit your application; curriculum vitae; cover letter addressing the listed qualifications; and upload the following attachments:

- A statement of teaching philosophy
- A research statement
- List of three publications/writing samples that best show scholarly work
- List of three professional references

Review of applications will begin January 2, 2019, and will continue until acceptable candidates are found.

This is an anticipated position for Fall 2019

The hiring process for this position may require a criminal background check and/or motor vehicle records check. Any verbal or written offer made is contingent on satisfactory results, as determined by Human Resources. RIT does not discriminate. RIT promotes and values diversity, pluralism and inclusion in the work place. RIT provides equal opportunity to all qualified individuals and does not discriminate on the basis of race, color, creed, age, marital status, sex, gender, religion, sexual orientation, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities. RIT provides reasonable accommodations to applicants with disabilities under the Rehabilitation Act, the Americans with Disabilities Act, the New York Human Rights Law, or similar applicable law. If you need reasonable accommodation for any part of the application and hiring process, and you wish to discuss potential accommodations related to your application for employment at RIT, please contact the Human Resources office at 585-475-2424 or email your request to Careers@rit.edu.