Position Title: Instructional Faculty
Faculty Rank: Assistant Professor
Faculty Type: Tenure Track
Department: School of Physics and Astronomy
PC# 002439 2061BR

APPROXIMATE START DATE: August 10, 2016

DETAILED JOB DESCRIPTION:
The School of Physics and Astronomy at the Rochester Institute of Technology invites applications for a tenure-track faculty position in computational physics within the general area of materials or condensed matter physics to begin August 2016. The position is anticipated to be at the rank of Assistant Professor, however, candidates with experience and qualifications consistent with appointment at a higher rank are also invited to apply. Applicants should have the demonstrated ability to establish and maintain a strong computational physics research program aimed at modeling properties of strongly correlated materials, electronic and photonic materials, or materials for energy applications. Individuals with programs having the potential to enhance existing research efforts, such as for modeling inorganic thin film growth and material properties, ab-initio calculations of nanostructured materials, density functional calculations of surface processes, or modeling magnetic nanostructures, are particularly desirable. Applicants must have a Ph.D. in physics, materials science, or closely related field, and have postdoctoral experience. In addition, candidates are expected to have the demonstrated ability, or strong potential, to obtain external research funding; provide evidence of ongoing research excellence; and show evidence of, or demonstrate a strong commitment to, excellence in teaching. A plan to integrate and mentor students at the undergraduate and graduate levels should be part of the candidate’s research program. Individuals should also desire and be capable of teaching courses across all levels of the Physics and Materials Science & Engineering Programs, and are expected to contribute to curriculum development efforts. Candidates are expected to have strong communication skills and demonstrate an overall commitment to the educational, research, and teaching mission of the School of Physics and Astronomy. Applicants must be legally eligible to work in the United States beginning August 10, 2016, and be a U.S. Person as defined by Title 8 of the US Code, Section 1324b(a)(3).

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 core values, honor code, and diversity commitment.

THE COLLEGE/DEPARTMENT:
The School of Physics and Astronomy consists of 36 faculty, 4 postdocs, 150 undergraduate physics majors, and 26 astrophysics graduate students. The School offers a BS program in Physics and a PhD/MS program in Astrophysical Sciences and Technology. Faculty in the school currently contribute to graduate programs in Materials Science & Engineering, Applied & Computational Mathematics, Microsystems Engineering, Sustainability, and Imaging Science. Approximately 1800 students/semester are taught introductory physics in an activity-based integrated lecture/lab format. Information about the RIT School of Physics and Astronomy can be found at http://www.rit.edu/cos/physics/.

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](https://www.nerc.org/).

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 Ph.D. in physics, materials science, or related fields
- Post-doctoral experience
- Demonstrated commitment to research and excellence in teaching at all levels of the curriculum
- Ability to establish and maintain a research program in computational physics within the general area of materials or condensed matter physics
- Demonstrated ability, or strong potential, to obtain external research funding
- A commitment to the educational and teaching mission of the College of Science
- Capable of including graduate and undergraduate students in research
- Strong communication skills
- Legally eligible to work in the United States beginning August 10, 2016
- Ability to contribute in meaningful ways to the college’s continuing commitment to cultural diversity, pluralism, and individual differences
- Be a U.S. Person as defined by Title 8 of the US Code, Section 1324b(a)(3)

**HOW TO APPLY:**
Apply online at [http://careers.rit.edu/faculty](http://careers.rit.edu/faculty). Search: **2061BR**. Please submit your application, curriculum vitae and cover letter, and upload the following:
- Statement of research goals and plans for securing external funding
- Teaching philosophy statement
- List of three current professional references, along with their contact information

Within the cover letter, candidates must include a statement about their contributions to diversity ([please refer to the Contribution to Diversity Statement: A guide for RIT candidates](https://www.rit.edu/itd/diversity)).

Candidates should arrange to have their three references send letters of support directly to Chair, Faculty Search Committee, RIT School of Physics & Astronomy. These letters must be submitted to physsrch@rit.edu and must be in PDF format. Inquiries regarding the position may also be sent electronically to physsrch@rit.edu.

To receive full consideration, all application materials should be received by November 20, 2015.

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.