

- **Physical Chemistry Position Description**

The chemistry department at the Rochester Institute of Technology invites applications for a tenure track faculty position in chemistry to begin September 2012. Candidates must have a Ph.D. in physical chemistry or a closely related field and post-doctoral research experience. Priority will be given to candidates with an emphasis in a discipline or disciplines suitable for application in chemically-based energy generation or energy storage or organic photovoltaics. Disciplines of interest include (but are not limited to) liquid crystals and molecular structure, computational chemistry, interfacial chemistry, colloids, electrochemistry, materials synthesis, transient photoconductivity, conductive metal oxides, material degradation and reliability testing, solid state chemistry, physical properties as function of polymer structure, and spectroscopy. In addition the preferred candidate will have (i) a commitment to excellence in teaching, with previous university teaching experience, and the ability to teach the current core physical chemistry courses and related electives (ii) a strong record of publications, (iii) a well designed strategy for the development of an externally funded research program that includes undergraduate and graduate students, and (iv) evidence of extramural grantsmanship. We are seeking an individual who has the ability and interest to contribute to RIT's core values, honor code, and statement of diversity.

#### Description of the College and the Department of Chemistry

RIT is a national leader in professional and career-oriented education. Talented, ambitious, and creative students of all cultures and backgrounds-and from 50 states and more than 95 countries-have chosen to attend RIT. Founded in 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges and institutes emphasizing career education and experiential learning. With approximately 15,000 undergraduates and 3,000 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 recognized by The Chronicle of Higher Education's in their "Great Colleges to Work For" list for three consecutive years.

The department of chemistry has 18 faculty, and supports 200 BS chemistry and biochemistry majors and 25 MS students. The department offers BS and MS degrees in chemistry and biochemistry, and supports the MS program in materials science & engineering and Ph.D. programs in microsystems engineering and imaging science. RIT's Nanopower Research Laboratory (NPRL), spanning 10,000 square feet, is equipped with state of the art photovoltaic processing and characterization facilities, among other facilities. The NPRL is dedicated to the development of new materials and devices for power generation and storage. The NPRL's focus is materials and devices that are compatible with the current needs of a wide variety of renewable energy technologies.

Rochester, located on Lake Ontario, is the 79th largest city in the United States and the third largest city in New York State. The Greater Rochester region, which is home to nearly one million people, is rich in cultural and ethnic diversity, with a population

comprised of 22% African and Latino Americans and another 7% of international origin. It is also home to the largest deaf community per capita in the U.S. Rochester ranks 3rd best metropolitan regions for Raising a Family" by Forbes Magazine; 6th among 379 metropolitan areas as "Best Places to Live in America" by Places Rated Almanac; 1st in Expansion Management Magazine's ranking of metropolitan areas having the best "Quality of Life in the Nation"; and is among Essence Magazine's "Top 10 Cities for Black Families.

### How to Apply

Apply online at <http://careers.rit.edu>. Faculty Search: IRC54279. Please submit your cover letter addressing (i) the listed qualifications,(ii) vita, (iii) statement of teaching philosophy, (iv) research proposal suitable to research at RIT, (v) statement of commitment to cultural diversity, pluralism, and individual differences, and (vi) the names, addresses, and phone numbers of three references. Please have your three references send letters of recommendation to L. Paul Rosenberg by email ([lprsch@rit.edu](mailto:lprsch@rit.edu)) or by mail to L. Paul Rosenberg, Chair, Department of Chemistry, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623.

You can contact the search committee with questions on the position at:  
[physchem@rit.edu](mailto:physchem@rit.edu).

To receive full consideration, all application materials should be received by Friday December 16, 2011. The position will be open until an acceptable candidate is found.