Rayleigh Endowed Chair in Theoretical Condensed Matter Physics

The Department of Physics, Applied Physics and Astronomy at Rensselaer in Troy, NY is seeking a faculty member in theoretical physics in the area of first-principles atomistic computational methods to enable deeper understanding in areas such as photonics, thermodynamics, and electron transport phenomena, at the quantum level. We seek a candidate with a strong record of independent research in this area, documented by high impact publications and a record of sustained funding. The successful candidate will have a Ph.D. degree in physics or related fields and possess a strong record of teaching and mentoring students. The appointment will be made at the Associate or Full Professor level, with tenure. Candidates with non-tenured positions will be considered based on outstanding qualifications.

Candidates for Associate Professor must have a Ph.D. or foreign degree equivalent in physics or a closely related discipline along with the ability to demonstrate, through their records of accomplishments, promise of future distinction in scholarship and education and also must demonstrate a record of the following accomplishments, achieved over a minimum of three (3) years of professional academic experience. Accomplishments include: an emerging national and/or international reputation; high quality educational activities including teaching and advising; a significant level of service to the department, the Institute, and the profession. To be considered for an appointment as Professor, candidates must be eligible for tenure, and meet the educational requirements of the Assistant Professor. Candidates must demonstrate having achieved the following in a minimum of at least seven (7) years of professional academic experience: academic leadership; a nationally or internationally recognized record of excellence in scholarship; a sustained level of high quality in educational activities that go beyond teaching and advising; and a sustained level of service to the department, the Institute, and the profession.

The successful candidate will have duties that include teaching graduate and undergraduate courses in their departments, developing and maintaining robust programs of research and scholarship, as well as service to the department, the School of Science and to Rensselaer.

To apply send (1) a curriculum vitae including a complete list of publications, relevant teaching experience, and the names of at least three potential references, and (2) a brief research plan for the next five years. Please send these materials to: Rayleigh Search Committee, c/o Joan Perras, Department of Physics, Applied Physics and Astronomy, Rensselaer Polytechnic Institute, 110 8th St, Troy, NY 12180. Review of applications will begin January 15, 2013.

We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer’s work and campus communities.

Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.