BRIEF POSTING DESCRIPTION:
Job Title/ Rank: Associate or Full Professor Level
PC# 9453 IRC53697
Department: Chester F. Carlson Center for Imaging Science
Job Category: Faculty, Tenure Track

Starting Date: Late August, 2012 for fall positions

DETAILED DESCRIPTION:
DESCRIPTION: The Wiedman II endowed chair is a senior tenure-track/tenured endowed professorship in the Chester F. Carlson Center for Imaging Science (CIS). We are seeking candidates that have a background and experience in developing instrumentation and/or analysis techniques for imaging living systems related to one or more current areas of interest in the Center, which include biological and biomedical imaging, optics and microscopy, astronomy and planetary science, remote sensing, and visual perception. Successful candidates are expected to relocate to RIT with an active research program and existing funding. Modern laboratory facilities and a startup package will also be available. The person recruited will take a prominent role in the growth of the CIS thrust area in imaging of living systems. The CIS environment encourages working collaboratively among interdisciplinary faculty and laboratories, supervising graduate students with diverse academic backgrounds, teaching a range of specialty courses, and collaborating with industry. RIT has substantial research infrastructure including an extensive MEMS and CMOS foundry, a new NMR facility, and collaborative arrangements for joint research with faculty across the Institute. We are seeking individuals who are committed to the CIS culture and contributing to RIT’s core values, honor code, and statement of diversity.

THE COLLEGE/DEPARTMENT:

THE CENTER: The Chester F. Carlson Center for Imaging Science, located in the College of Science, is a highly interdisciplinary university research and education center dedicated to pushing the frontiers of imaging in all its forms and uses. Major research thrusts within the Center include Astronomy, Color Science, MRI, Remote Sensing, Sensor Development, Ultrasound Imaging and Characterization of Materials, and Vision Science. CIS offers B.S., M.S. and Ph.D. degrees in Imaging Science with an emphasis on the physics of image formation, the mathematics and systems engineering of image processing, analysis and information extraction, and the development of sensor systems and imaging instrumentation. CIS also offers M.S. and Ph.D. degree in Color Science, which is a broadly multidisciplinary program with courses and research that span topics such as visual perception, psychophysics, color modeling of material and imaging systems. Jointly with the Department of Physics and School of Mathematics, CIS offers the PhD in Astrophysical Sciences and Technology. The faculty collaborates with the Center for Microsystems Engineering in the College of Engineering. The biomedical faculty includes cross-disciplinary expertise in chemistry, electrical engineering, physics, and imaging.

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.
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.

QUALIFICATIONS:

Required: Doctoral degree, a substantial peer-reviewed publication record, and a history of successful research leadership in the imaging of living systems or related fields at the level of PI demonstrated through externally funded projects; experience in the development of theory or methods for imaging, including acquisition, processing, and application; ability to teach and interest in teaching at the undergraduate and graduate level, including supervision of students and development of curricula.

 Preferred: Collegially contribute to the growth of the imaging science program through appropriate service activities in community outreach, industrial interaction and academic governance. An ability and interest in contributing to a community committed to diversity. The ability to communicate well in speech and writing. Synergy with existing research areas to promote collaboration.

HOW TO APPLY:

APPLICATION PROCEDURE: Apply online at http://careers.rit.edu. Faculty Search: IRC53697. Upload via this website application material as one PDF file that includes your cover letter; a summary of education and professional background; list of publications and research grants; summary of teaching and research experience; a list of three professional references; a brief personal statement on expected future research and teaching activities; and statement of your experience with and interest in cultural diversity. Materials should be addressed to Search Committee Chair, Center for Imaging Science.

You can contact the search committee with questions on the position at: biofacultysearch@cis.rit.edu.

Candidates should visit <www.cis.rit.edu> for more information and to view the detailed job postings.

Review of applications will begin January 14, 2012 and will continue until an acceptable candidate is found.

The Rochester Institute of Technology is an equal opportunity/affirmative action employer.