



FACULTY POSITION POSTING FORM

Rochester Institute of Technology, College of Science, 54 Lomb Memorial Drive, Rochester, NY 14623

BRIEF POSTING DESCRIPTION:

JOB TITLE/RANK: Instructional Faculty/Assistant (preferred), Associate, or Full Professor

PC # 9453 IRC#27118

Department: Center for Imaging Science

Job Category: Faculty, Tenure Track

Starting Date: Late August 2010

DETAILED DESCRIPTION:

This is a tenure-track faculty position in the Chester F. Carlson Center for Imaging Science (CIS) in areas such as the computational modeling of material optical properties based on 3D object capture, realistic image synthesis, and/or computational photography. The preferred rank is at the Assistant Professor level, although other ranks will be considered. The Center has an established laboratory called the Munsell Color Science Laboratory (MCSL), recognized internationally for its leadership in color and imaging science education, research, and outreach. MCSL is expanding its research efforts in the areas of modeling, rendering, and imaging of surface and object appearance and it is seeking a new faculty member with strong computational skills who can complement its current expertise in color science, color appearance, physics-based color modeling, spectral and high-dynamic range imaging and display, computer graphics, and visual psychophysics. This is a unique opportunity as MCSL is the nexus between theory and practice locally, nationally, and internationally with close ties to industry, government, foundations, and major cultural heritage institutions.

The person recruited for this position will be expected to work closely with other faculty and staff associated with MCSL as well as the faculty in CIS more generally, make a substantial contribution to the expanded MCSL research programs as described above, and develop new avenues of funded research that complements and expands all the activities in MCSL.

Candidates should visit < www.cis.rit.edu > for more information and to view the detailed job posting and < www.cis.rit.edu/mcsl > to learn about MCSL.

We are seeking individuals who are committed to contributing to RIT's [core values](#), [honor code](#), and [statement of diversity](#).

THE COLLEGE/ 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 Color Science, Remote Sensing, Imaging Algorithms and Systems, Astronomy, Sensor Development, Vision, Biomedical Imaging, and Document Reconstruction. CIS offers B.S., M.S. and Ph.D. degrees in Imaging Science, M.S. and Ph.D. degrees in Color Science, and a Ph.D. degree in Astrophysical Sciences and Technology. The Color Science curriculum spans topics such as colorimetry, spectrophotometry, spectroradiometry, visual perception, psychophysics, spectral modeling of material and imaging systems, and color reproduction including capture, display, and printing. The Color Science program has a unique resource, the Munsell Color Science Laboratory (MCSL) with significant research in spectral color reproduction, color and image appearance models, 3D imaging and archiving of cultural heritage, high-dynamic range imaging and display, and modeling material appearance.

RIT attracts students from all 50 states and more than 90 countries. RIT has been recognized on *The Chronicle of Higher Education's* inaugural "Great Colleges to Work For" list for two consecutive years. RIT was cited in six different categories: Professional/Career Development Program, Compensation and Benefits, Tuition Reimbursement, 403b or 401k (retirement plan), Disability Insurance and Life Insurance.

Rochester, located in Monroe County, is the 79th largest city in the United States and the third largest city in New York State. Five additional counties are included in the Greater Rochester Region: Genesee, Livingston, Ontario, Orleans and Wayne. The Greater Rochester region is inhabited by a little more than one million people

The Rochester area has a diverse population which includes African Americans (38% of the city and 14% of Monroe County) and Latin Americans (13% of the city and 5% of the county). In addition, more than 7% of the population is foreign born. Rochester is ranked 7th among the “10 Best Cities to Raise a Family” by *Child Magazine*, *Places Rated Almanac* ranked Rochester <http://placesrated.com> as the 6th “Best Places to Live in America” by out of 379 metropolitan areas. *Expansion Management Magazine* ranked Rochester as number one among metropolitan areas having the best Quality of Life in the Nation. *Essence* magazine ranked it among the “Top 10 Cities for Black Families,” Rochester was twice named one of America’s Friendliest Cities by *American Demographics* magazine.

QUALIFICATIONS:

REQUIRED:

Doctoral degree or equivalent and the ability to collaborate with faculty and staff in MCSL and CIS more generally.

PREFERRED:

Research and Scholarship: Applicants should 1) have scholarly attainment in areas such as the computational modeling of material appearance based on 3D imaging, realistic image synthesis, and/or computational photography; 2) have the potential to obtain externally funded research and 3) have the potential to work with industry and outside sponsors.

Teaching and Learning: Applicants should 1) have the ability to teach undergraduate and graduate courses in CIS, 2) have the ability to teach undergraduate and graduate courses in area of research expertise, 3) have the potential to teach undergraduate and graduate courses in color science, and 4) be committed to the guidance of graduate and undergraduate students in matters related to their education and profession.

Service and Diversity: Applicants should 1) demonstrate a willingness to be involved in RIT, the College of Science, CIS, and MCSL service committees; 2) demonstrate a willingness to support the mission of MCSL – advancing the science, understanding, and technology of color and appearance through education, research, and outreach; 3) demonstrate a willingness to participate in technical organizations and other appropriate forms of outreach, and 4) demonstrate an ability and interest in contributing to a community committed to diversity.

HOW TO APPLY:

Apply online at <https://mycareer.rit.edu>. Search for IRC33970. Please submit application material as one PDF file includes 1) curriculum vitae with a summary of education and professional background, list of publications and research grants, and summary of teaching and research experience; 2) a list of three professional references; and 3) a personal statement on why you have applied, why you should be considered, and expected future research and teaching activities. Materials should be addressed to Search Committee Chair, Center for Imaging Science and electronic copies sent to berns@cis.rit.edu and cooper@cis.rit.edu.

You can contact the search committee chair, Dr. Roy S. Berns with questions on the position at: berns@cis.rit.edu.

Application deadline: Applications received before February 1, 2010 will be given fullest consideration. The position will remain open until filled.

The Rochester Institute of Technology is an equal opportunity/affirmative action employer. All individuals with the ability to contribute in meaningful ways to the university’s continuing commitment to cultural diversity, pluralism, and individual differences are encouraged to make application.