

SENIOR RESEARCHERS AND DOMAIN COMPUTING EXPERTS

The **B. Thomas Golisano College of Computing and Information Sciences** is proud to unveil its Ph.D. in *Computing and Information Sciences*, RIT's third doctoral degree, which will begin enrolling students in the Fall of 2006. The degree highlights two of the most unique characteristics of GCCIS – the breadth of its program offerings and its scholarly focus on discovering solutions to real-world problems by balancing theory and practice to make available Cyberinfrastructure to advance science and product development. The curriculum facilitates and maintains intra- and interdisciplinary collaboration among students and faculty across various disciplines within the College and RIT.

We are seeking a number of outstanding individuals, world-renowned experts to realize the success of this new and innovative program. Successful candidates must have the credentials, experience, and achievements appropriate for appointment at the Associate or Full Professor, including an earned Ph.D. in a computing-related discipline for senior researchers and a Ph.D. in a cross-domain discipline with extensive computing experience for domain computing experts. All candidates will demonstrate:

- Strong commitment to graduate education, particularly at the doctoral level.
- Broad basic knowledge of computing and its application to a wide variety of domains.
- In-depth knowledge and research experience in one of the program's focus areas:
 - Interaction:* HCI and Usability; Visualization; Educational technology; Human centered computing; Pervasive and Ubiquitous computing; Virtual and Augmented environments
 - Informatics:* Computer vision; Complexity theory and cryptography; Discovery informatics; Graphics; Intelligent systems; Data – analysis, mining, processing; Modeling and Simulation; Numerical methods
 - Infrastructure:* High performance computing; Distributed and grid computing; Software systems engineering; Computer architectures; Networking; Cybersecurity
 - Domain-specific Computing:* Astroinformatics; Computational Biology; Medical Informatics; Service Science; Computing in the humanities and social sciences; Computational environmental science and policy
- Comprehensive record of scholarly achievements.
- Proven record of acquiring research funding.
- Ability to contribute to the RIT's commitment to cultural diversity and pluralism.

We are also looking for an *Associate Dean for Graduate Studies and Research* to be the Director of the Ph.D. program.

The **B. Thomas Golisano College of Computing and Information Sciences**, established in the summer of 2001, is the newest college at the 1,300-acre suburban university located south of Rochester, New York. The college, housed in a new 126,500 square foot state-of-the-art facility houses the departments of computer science; information technology; software engineering; networking, security, and systems administration; and the Center for Advancing the Study of Cyberinfrastructure (CASCI). With its focus on both interdepartmental and inter-college cooperation, the college addresses computing in the broadest sense. GCCIS has more than 90 faculty, 2,700 students, more than 40 technical and support staff, and extensive facilities dedicated to teaching, research, and development. The college offers master of science degrees in computer science, information technology, software development and management, computing security and information assurance, learning and knowledge management, and advanced certificates in both interactive multimedia development, and learning and knowledge management.

The target start date for these positions is September 1, 2006, but the search will continue until they are filled.

Candidates are strongly encouraged to submit their applications electronically to the corresponding e-mail address below. Applications must include: summary of education and professional background; list of publications and research grants; summary of administrative (if applicable), teaching and research experience; names of three references; and a brief statement on the future strategic vision of computing in general and domain-specific computation in particular.