Associate Dean for Research and Doctoral Education
College of Engineering and Computer Science
Syracuse University

Date Posted: January 20, 2016
Type: Administrative
Salary: Competitive and commensurate with experience
Enrollment Type: Full-time, tenured faculty position, as appropriate

The College of Engineering and Computer Science at Syracuse University seeks candidates for the position of Associate Dean of Research & Doctoral Education. The Associate Dean reports directly to the Dean of the College and is responsible for administering the College’s research and doctoral education missions. Our goal is to elevate the College’s research and graduate programs, and to promote the integration of College research with the University’s Fast Forward strategic plan. Particular emphasis will be placed on expanding externally funded research, multi-partner proposals between disciplines, universities and corporations, and research that engages undergraduates and builds the STEM pipeline. Two newly created positions will report to the Associate Dean to facilitate these goals: a Research Administrator and a STEM Coordinator.

Key research themes of the College include:
- Advanced energy sources, conversion, and conservation
- Cyber engineering and security
- Intelligent wireless systems
- Rehabilitative and regenerative engineering
- Smart materials for medicine and beyond
- Smart water systems for sustainability

Additional opportunities exist in leveraging expertise in computational research involving big data as well as a university-wide focus on design for aging. Opportunities also exist in aligning with Central New York’s recent $500 million award for revitalization, with focus that includes serving the needs of veterans, unmanned aerial systems, precision sensing and data analytics, and personalized and precision medicine.

Responsibilities of the Associate Dean include:

1. Develop, administer and monitor the College’s research goal to elevate the prominence and reach of research activities. Particular emphasis will be placed on interdisciplinary and translational research, directing funds and support for multi-investigator collaborations, and developing the research infrastructure and expertise necessary to compete for federally funded research opportunities.
2. Monitor and oversee administration of the College’s six doctoral programs. Work with the Graduate College and the Department Chairs to enhance doctoral student recruitment, funding, academic progression, and placement.
3. Develop, administer and monitor the College’s engagement of undergraduates in research and STEM outreach to broaden the impact of research.
4. Engage with the administration in the assessment and management of existing and future centers and institutes.
5. Assist the College with recruiting and retaining faculty with outstanding potential for externally funded scholarly research and facilitate collaborative research activities. Assist the College with startup package formulation and research lab setup.

6. Serve as the college liaison to university offices, including the Vice President of Research, Sponsored Programs, Technology Transfer, Corporate and Government Relations.

7. Work with College Advancement and External Relations, the CASE Center and the Center of Excellence to enhance college research through gifts, foundation awards, and corporate partnerships.

8. Work with the Dean, the Senior Associate Dean and the chief operations officer to integrate the college’s research goals into the college budget, which follows a responsibility centered management model. This includes overseeing policies for use of F&A return, cost-sharing, and graduate assistants.

The College of Engineering and Computer Science

Dean Teresa A. Dahlberg, who joined the College in August 2015, is in the process of building an implementation plan around four key priorities for the College:

- Raise the research profile
- Enhance the educational experience
- Enhance research and education distinctiveness
- Increase operational efficiency and revenue streams

The College houses four academic departments in biomedical and chemical engineering, civil and environmental engineering, electrical engineering and computer science, and mechanical and aerospace engineering.

Cross- and multi-disciplinary opportunities are offered through academic programs and research initiatives. The College has built strategic partnerships with the College of Arts & Sciences, Whitman School of Management, the School of Information Studies, the Maxwell School of Citizenship and Public Affairs, the School of Architecture, the School of Visual and Performing Arts, and the S.I. Newhouse School of Public Communications.

The College has grown its full-time faculty by 35% in the last five years to a total of 77 tenure-track or tenured faculty and 22 professors of teaching or practice. Student enrollment is over 2,700, with 260 doctoral students and over 880 M.S. students. The College currently occupies over 150,000 square feet on Syracuse University’s campus.

One of the earliest New York State Centers for Advanced Technology, the Computer Applications and Software Engineering (CASE) Center is housed in the College. The CASE Center, a research organization with an economic development focus, has been funded for the last three decades primarily by the New York State Office of Science, Technology and Academic Research (NYSTAR) and New York State industries.

For over ten years several College faculty members have provided significant leadership contributions to a regional initiative to foster collaborations and innovations in environmental and energy systems. The initiative, the Syracuse Center of Excellence in Environmental and Energy Systems (Syracuse CoE), which in 2002 was designated as one of five statewide “Centers of Excellence” (CoE), currently includes 12 academic and research institutions and more than 140 firms and organizations. To date, the Syracuse CoE has secured over $100 million in state and
federal support. Through the initiative, E&CS has strengthened its international recognition for research in water resource management and established pioneering new facilities for research in indoor environmental quality and building energy systems.

The Syracuse Biomaterials Institute (SBI) was launched in 2007, through strategic investments by Syracuse University, New York State Foundation for Science, Technology and Innovation (NYSTAR), and private donations. SBI is a cohesive collection of highly collaborative faculty spanning eight academic units, including faculty from the Engineering and Computer Science, Arts and Sciences, SUNY Upstate Medical University, and SUNY College of Environmental Science and Forestry.

About Syracuse University and Syracuse, NY

Syracuse University is a private, coeducational, urban institution with an enrollment of slightly over 20,000 full-time students. There are approximately 1,100 full-time instructional faculty members across 11 academic schools and colleges.

The 200-acre Syracuse University campus overlooks the City of Syracuse, the heart of the scenic Central New York region. Home to around 700,000 people, the city and surrounding areas feature an appealing array of activities. Syracuse’s expansive cultural life includes an opera, nationally-recognized regional theater, an impressive collection of art and history museums, and an increasingly broad mix of dining opportunities, including restaurants in the vibrant Armory Square district located downtown. The University’s 20 Division I men’s and women’s varsity teams include the 2003 NCAA National Championship basketball team, a football team with a historic legacy, and a nine-time national championship lacrosse team.

The search occurs as Kent Syverud, Chancellor since early 2014, is completing the University’s Fast Forward Syracuse strategic planning initiative. This process will provide the key direction and framework for improving the quality and stature of the University, fostering academic and operational excellence, providing a comprehensive array of high quality integrated learning experiences for students, and positioning the University to address the complex challenges in a highly dynamic, higher education environment. (For more information on Fast Forward Syracuse please see http://fastforward.syr.edu)

Candidate Qualifications

The College of Engineering and Computer Science seeks an outstanding and accomplished scholar who has demonstrated the ability to foster an environment that facilitates research of high quality and productivity. A doctorate degree and a record of scholarly achievement commensurate with a tenured appointment at the rank of full professor is required.

The successful candidate will have excellent personal accomplishments in research, experience in establishing a successful research program supported by external funds, and will be expected to maintain an active research program.

Other desired qualities for consideration:

- Excellent communication, leadership, and interpersonal skills
- Experience driving multi-disciplinary research endeavors
- Background of hiring and mentoring junior faculty
• Ability to promote research/scholarly achievement and to enhance the reputation of the College
• Experience managing a budget within a research environment
• Demonstrated skills in recruiting, mentoring, motivating, and retaining outstanding faculty

Administrative experience with national granting agencies is a plus.

About Applying

For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae, and contact information of five professional references through http://www.sujobopps.com/postings/63006. Review of applications will start on March 1, 2016 and continue until the position is filled. For additional information, please contact the chair of the search committee, Professor Radhakrishna Sureshkumar, via email at rsureshk@syr.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse workforce. Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.