

Assistant Professor, Electrical & Computer Engineering-Tenure Track

Post Date:	08/10/2017
Job Number:	5489612
Category:	Faculty - College of Engineering
Facility:	Rowan Main Campus
Department:	College of Engineering
Status:	Regular Full-time
Internal/External:	External
Deadline Date:	12/20/2017
Salary:	Competitive
Location:	Glassboro, NJ

With dramatic increase in undergraduate and graduate enrollment, a new PhD program, and a new building that allows us to expand, the Electrical and Computer Engineering Department (www.rowan.edu/ece) at Rowan University is growing. To support this robust growth, we seek energetic and innovative teacher-scholars, committed to excellence in both teaching and research to join our dedicated family of faculty members. Over the next few years, we are planning to add several faculty members to our department. Our particular emphasis in this year's search focus on two main areas, i) computer engineering (broadly including computer architecture, embedded systems, internet of things, low power design, computing security, parallel and distributed computing, intelligent and real time systems, etc.) and ii) power and control systems (such as smart / micro grid, renewable energy, power electronics, control systems, robotics and autonomous vehicles, etc.), though candidates with exceptional credentials and promising research agenda in other areas will also be considered.

Candidates must have a PhD degree in Electrical or Computer Engineering (or a closely related area), have excellent communication skills and strong commitment to excellence in teaching, research and student mentoring. Current Ph.D. students who have already established a significant body of work are also encouraged to apply, if they have completed all coursework and proposal exam (all but dissertation defense), and are within one year of graduation.

Successful candidate will

- teach core ECE courses at the undergraduate and graduate level,
- develop (and teach) new courses and innovative curriculum components for our program,
- seek and obtain external research funding and enhance department's research infrastructure,
- conduct high quality research and publish research work in highly regarded conferences and journals,
- mentor and advise undergraduate and graduate students, as well as student groups and clubs, and
- supervise student research and entrepreneurial efforts in the Rowan's hallmark Engineering Clinic sequence.

Rowan University in general, and College of Engineering in particular, are experiencing tremendous growth. At the institutional level, Rowan is now designated by the State of New Jersey as a Comprehensive Research University, Rowan's new Cooper Medical School has recently opened its doors, and the highly-regarded School of Osteopathic Medicine is now integrated into Rowan as the University's second medical school. At the college and departmental level, we are experiencing significant increase of interest and enrollment in our programs for which we have recently completed our second state-of-the-art building. The ECE Department now occupies the entire third floor of this stunning new building. Furthermore, with the new "Comprehensive Research University" status, we are enhancing our research infrastructure and capabilities (such as a new high performance computing, and virtual reality center), further developing our South Jersey Technology Park (<http://www.sjtechpark.org/>) for expanded industry collaboration and entrepreneurship activities, provide more funding for graduate research assistants, all supporting our long standing Master's program as well as our newly established innovative PhD program.

These developments have now set the framework for initiating new multidisciplinary research areas and for complementing existing R&D in smart sensors, embedded systems, smart grid, signal/speech processing, computational intelligence & machine learning, bioinformatics, imaging & virtual reality, nanotechnology and sustainable design, and bio-engineering/technology.

Rowan University is a public comprehensive state-designated research institution with approximately 17,300 students. Its main campus is located in Glassboro, N.J., 20 miles southeast of Philadelphia, with additional campuses in Camden and Stratford. The University comprises seven colleges and five schools: the William G. Rohrer College of Business; the Henry M. Rowan College of Engineering; the Colleges of Communication



and Creative Arts, Education, Humanities and Social Sciences, Performing Arts, and Science and Mathematics; the Cooper Medical School of Rowan University; the Rowan University School of Osteopathic Medicine; the Graduate School of Biomedical Sciences; the School of Health Professions; and the School of Earth and Environment. Rowan is one of two public universities in the country to offer M.D. and D.O. medical degree programs. The institution is also home to the South Jersey Technology Park, which fosters the translation of applied research into commercial products and processes. Rowan has been recognized as one of the top 100 public universities in the nation and is ranked third among public institutions in the North by *U.S. News & World Report*. The College recently received an additional \$15 million endowment from the Rowan family, and has been renamed as Henry M. Rowan College of Engineering. Additional information is available at www.rowan.edu/colleges/engineering.

Review of applications will begin in September, and continue until the positions are filled, with applications received by December 1, 2017 given full and priority consideration, for a start date of September 2018.

For full consideration, applications should include the below listed items, assembled in the following order in a single PDF file: 1) a cover letter summarizing qualifications and the applicant's interest in the position, 2) current detailed CV, 3) statement of teaching interests (specifically including the list of courses the applicant feels most qualified and passionate to teach, as well as teaching philosophy), 4) a statement of research interests (including applicant's future research goals, and plans for obtaining external funding for achieving those goals), and 5) names and contact information for three to five references. Please name the file as **<LastName>_Application.pdf**. Optionally, additional relevant documentation (such as student evaluations, copies of up to two key publications) may be submitted in an Appendix as a separate file, named **<LastName>_Appendix.pdf**.

Applications are only accepted on line at this link: <http://rowanuniversity.hodesiq.com/job-details.aspx?jobid=5489612>

Questions can be directed to polikar@rowan.edu, Dr. Robi Polikar, Department Head, Electrical & Computer Engineering. Additional departmental information can be found at <http://www.rowan.edu/ece>.

Rowan University values diversity and is committed to equal opportunity in employment.

All positions are contingent upon budget appropriations.