

**ASSISTANT PROFESSOR, ELECTRICAL AND COMPUTER ENGINEERING (ECE) – TENURE TRACK POSITIONS**

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 \(www.rowan.edu/ece\)](http://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 search focus on two main areas, i) computer engineering (broadly including computer architecture, embedded systems, internet of things, low power design, computing security, high performance and distributed computing, etc.) and ii) power and control systems (such as smart / micro grid, renewable energy, power electronics, control systems, 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.

Located in suburban New Jersey, in the greater Philadelphia metro area, Rowan is a comprehensive public institution with over 16,000 undergraduate and graduate students enrolled in nine colleges, including the new Cooper Medical School and the School of Osteopathic Medicine. The College of Engineering, created with a \$100M gift by Henry and Betty Rowan in 1992, enrolls almost 1400 students in six departments. U.S. News & World Report consistently ranks the College among the nation's best for undergraduate engineering. 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 <http://www.rowan.edu/home/engineering>.

Review of applications will begin immediately 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. Applications received by October 1, 2017 may also be considered for a January 2018 start date.

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 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](mailto: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. The applicant must have appropriate legal status to work in the US at the time of appointment. All positions are contingent upon budget appropriations.