

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

With dramatic increase in undergraduate and graduate enrollment, a new Ph.D. program, and a brand new building allowing 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 us as we are planning to add several faculty members to our department over the next few years. 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 / cyberphysical systems, low power design, hardware/architecture/computing security, high performance and distributed computing, etc.) and ii) [power systems](#) (such as smart / micro grid, renewable energy, power electronics, intelligent power distribution systems, energy storage systems, security of power systems, etc.), though candidates with exceptional credentials and promising research agenda in emerging areas may also be considered.

Candidates must have a Ph.D. degree in Electrical or Computer Engineering (or a closely related area), strong commitment to excellence in teaching, a proven record of, or exceptional potential for developing a sustainable and externally-funded research program. Ideal candidates also embrace interdisciplinary collaborations, have excellent communication skills, and genuine interest in student mentoring. Current Ph.D. students who have already established a significant body of work are encouraged to apply, if they are within one year of graduation.

Successful candidate will

- teach core and elective ECE courses at the undergraduate and graduate level,
- develop innovative curriculum components, including new courses in emerging areas, help grow our new Ph.D. program,
- seek and obtain external funding for establishing a sustainable research program, 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,
- supervise student research and entrepreneurial efforts in the Rowan's hallmark Engineering Clinic sequence,
- contribute to our service activities to further our collective mission and vision at the department, college and university levels.

Rowan University is experiencing tremendous growth at all levels: at the institutional level, Rowan is now designated by the State of New Jersey as a Comprehensive Research University, and with two medical schools, is the premier institution of higher education in Southern New Jersey. 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 a stunning new building. Furthermore, with the new "Comprehensive Research University" status, we are enhancing our research infrastructure and capabilities (with 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 entrepreneurial activities, provide more funding for graduate teaching and research assistants, and offer substantial and competitive start-up funds to all new tenure-track faculty.

These developments have now set the framework for initiating new multidisciplinary research areas to complement our existing expertise in smart sensors, embedded systems, smart grid, signal & image processing, wireless and optical communications, computational intelligence & machine learning, dynamical systems and optimization, advanced imaging & virtual reality, memristors and nanotechnology, aerospace systems, and, and now look forward to expand our research footprint to computer engineering, power and control systems areas.

Located in suburban New Jersey, in the greater Philadelphia metro area, Rowan is a comprehensive public institution with over 19,000 undergraduate and graduate students enrolled in twelve colleges and schools, including two medical schools. The College of Engineering, created with a \$100M gift by Henry and Betty Rowan in 1992, enrolls over 1600 students in six departments. U.S. News & World Report consistently ranks the College among the nation's best for undergraduate engineering (#19 in 2018 rankings). 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 31, 2018 given full and priority consideration, for a start date of September 2019.

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), 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 added to the single PDF file as an Appendix.

Applications are only accepted on line at this link: <https://go.rowan.edu/joinrowanece19>

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