UNIVERSITY OF SOUTH CAROLINA

College of Engineering and Computing – Department of Electrical Engineering

Multiple Open-Rank, Tenured or Tenure-Track Faculty Positions

The College of Engineering and Computing at the University of South Carolina is in the process of expanding its tenured and tenure-track faculty members. As part of this growth, the Department of Electrical Engineering seeks dynamic new tenured and tenure-track faculty members (at all ranks) for Fall 2018. Applicants should possess a Ph.D. degree in electrical engineering or a closely-related field, a demonstrated record of research accomplishments, and an outstanding capacity for teaching undergraduate and graduate courses. The successful candidate will be expected to develop internationally-recognized, externally-funded research programs that complement existing departmental strengths. We also desire candidates whose expertise aligns with vital cross-cutting initiatives identified by the College.   For details on these initiatives, please visit: http://cec.sc.edu/employment.

In alignment with these initiatives, research themes of particular interest to the Department are those related to:

- **Energy & Water**
  ac & dc microgrids, smart grids, power electronics, wide- and ultra-wide bandgap materials & devices

- **Smart & Agile Manufacturing**
  safety critical & fail-safe systems, self-healing systems, industrial dc microgrids

- **Smart & Connected Communities**
  Wireless systems, 5G cellular, terahertz technologies, mm-wave high power amplifiers, device-to-device wireless, sensors, digital signal processing, air traffic management navigation & surveillance, massive MIMO and multi-antenna systems, Internet of Things

To build on our existing nationally-recognized programs, research areas of interest include photonics & micro- or nano-electronics, power electronics & energy systems, wireless communications, and safety critical systems.

The Department also supports the Biomedical Engineering program, and prospective faculty with expertise in this area may apply via: http://cec.sc.edu/jobs/BMED.

Review of applications will begin on November 1, 2017 and continue until positions are filled. Expected start date is August 16, 2018. Interested applicants will apply online at http://cec.sc.edu/jobs/ELCT with: (1) a letter of intent, (2) curriculum vitae, (3) a concise description of research plans, (4) a teaching plan, and (5) names & contact information of 3-5 references.

Questions about the departmental search may be directed to:

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