

NC STATE UNIVERSITY

FACULTY POSITION in Power Electronics and Drives Department of Electrical & Computer Engineering

The Department of Electrical and Computer Engineering is seeking exceptional candidates for tenure-track or tenured faculty positions at all levels in the areas of power electronics and drives with emphasis in wide bandgap electronics beginning in January 2020 or earlier if possible. The intent of these hires is to enhance NC State's multidisciplinary activities to accelerate the adoption of wide bandgap semiconductors into a wide variety of energy saving, high performance systems that cross-cut 21st century life. Candidates are also being sought in support of the NSF Future Renewable Electric Energy Delivery and Management (FREEDM) Engineering Research Center (<http://freedm.ncsu.edu/>) which is focused on power grid modernization using wide bandgap power electronics and distributed grid controls through reliable and secure communications. Candidate will be expected to work with PowerAmerica's industry members in areas connected to wide bandgap power electronic applications in renewable energy, electric transportation, motor control, or the power grid or related areas. PowerAmerica is part of the National Network of Manufacturing Innovation (NNMI) and with its wide variety of industrial and academic partners is focused on the transition of research to applications via advanced manufacturing by working across the supply chain from device design and fabrication to demonstration of state-of-the-art power electronic systems. The ECE Department working with FREEDM and PowerAmerica will provide a dynamic environment to pursue fundamental research, teach and pursue other scholarly efforts as well as opportunities to work with industry.

Inclusiveness and diversity are integral to NC State's commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research. Candidates must possess a Ph.D. or equivalent in electrical or computer engineering or a related discipline at the time of appointment, and must have demonstrated the potential to build a strong research program and an excellent teaching record.

The ECE Department has 57 tenured/tenure-track faculty members, over 950 undergraduate students, 580 Masters graduate students, and 260 doctoral graduate students. It offers BS, MS, and Ph.D. degrees in Electrical Engineering (EE) and Computer Engineering (CPE), and MS degrees in Computer Networking and Electric Power Systems Engineering. The department is located in state-of-the-art facilities on NC State's Centennial Campus.

The University is located in the technology-rich Research Triangle metropolitan area, and ECE faculty members collaborate frequently with local industry. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy

outstanding public schools, affordable housing, and great weather, all in the proximity of the mountains and the seashore.

Applications will be reviewed as they are received. Applicants will receive consideration starting January 15, 2019. Applicants should submit the following online at <https://jobs.ncsu.edu/postings/112192>: cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the positions advertised at <http://www.ece.ncsu.edu>. Inquiries may be sent via email to the Faculty Search Committee Chair at ecefacultyhire@ncsu.edu.

AA/EOE. NC State is an equal opportunity and affirmative action employer. Women and members of other underrepresented groups are encouraged to apply. In addition, NC State welcomes all persons without regard to sexual orientation or genetic information. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners. Persons with disabilities requiring accommodations in the application and interview process please call (919) 515-3148.