

TENURE-TRACK FACULTY POSITION AT THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

Energy Production and Infrastructure center (EPIC) and the Systems Engineering and Engineering Management program (SEEM) at the William States Lee College of Engineering of the University of North Carolina at Charlotte invites applications for a tenure-track assistant or associate professor position in the general area of systems engineering and operations research with applications to emerging power systems and markets including, but not limited to renewable energy, smart grid, and energy storage technologies.

Candidates are required to hold or expected to complete a doctorate (PhD) in Engineering, Operations Research or a closely related energy field with strong emphasis on operations research, systems modeling and optimization. Candidates must possess excellent teamwork, leadership, interpersonal, organizational, communication skills, and must be able to multi-task that serves a diverse student population. Evidence of an existing research program or the potential to build a successful research program in the area of emerging power systems is desired. Evidence of potential for successful teaching at the university level is also essential.

Essential Job Duties

Applicants are expected to:

- Build a strong research program in the area of energy markets, systems modeling, analysis, and optimization. In particular, EPIC will consider applicants demonstrating a desire and potential for interdisciplinary research that integrates emerging power systems.
- Establish a strong externally funded research program in power systems engineering with focuses on renewable energy systems, Smart Grid, and energy storage technologies.
- Teach undergraduate and graduate courses as needed under the System Engineering and Engineering Management Program.
- Supervise graduate students' research
- Contribute to departmental, college, and university services.

Preferred Experiences

Applicants possessing the following experiences are preferred.

- PhD in Systems Engineering, Industrial Engineering, and Operations Research.
- Industrial experience at an Independent Systems Operator (ISO) or power utility.
- Research on reliability modeling and risk management for intermittent power generation due to uncertainty in renewable energy.
- Energy systems optimization for emerging power generation and storage systems.

The starting date for these the position is August 2013 or January 2014. Review of applications will begin immediately and will continue until the position is filled. Only electronic application submissions through <https://jobs.uncc.edu> will be accepted (#4349). Please include: a cover letter, a curriculum vitae, a statement of research, a statement of teaching, and a list of three references. For further questions, please contact: Systems Engineering Faculty Search Committee at UNCC-SEEM@uncc.edu.

UNC Charlotte is an AA/EOE. Women, members of minority groups, and persons with disabilities are encouraged to apply.