



Fully-Funded Ph.D. Positions in Electrical Engineering – Available for Spring/Fall 2020

Are you interested in bringing the beauty of advanced mathematics, cybersecurity, machine learning and control into infrastructure networks? Can you help in transforming the electric grid into a smart, secure, effective, reliable and efficient network? Do you like to make sense of big data in utility infrastructure? Do you think renewable and intermittent sources can be managed more reliably? Are you interested in analytics and enhanced security solutions for the future grid?

We have two exciting opportunities for PhD studies in the Center for Advanced Power Systems (CAPS) and Electrical and Computer Engineering Department in the Florida State University for Spring 2020 or Fall 2020. In the latest U.S. News & World Report, FSU ranks at #18 among public universities.

The prospective PhD students will work on the security of cyber-physical systems and embedded devices, operational challenges, computational innovation in power systems area, real-time simulation and modeling tools for utility networks, and cutting-edge technologies and techniques for the future electric grid. Students have opportunity to work closely with FSU-CAPS partners in utilities, industries and other universities. Students will have access to commercial grade software and hardware.

The Center for Advanced Power Systems (CAPS) is a multidisciplinary research center organized to perform basic and applied research to advance the field of power systems technology. The center's excellent facilities accentuate its international position in power system real-time simulation and analysis. CAPS emphases are on technologies and theories related to networked infrastructure, as well as, developing an education program to train the next generation of electric grid scientists and engineers.

Desired Qualifications

- First and foremost: strongly motivated,
- Have MSc/MEng or a 5-year equivalent diploma in Electrical or/and Computer Engineering, Computer Science, Applied Mathematics, Cybersecurity or a closely related field,
- Good programming skills (e.g., C/C++, Python, Matlab),
- Team working skill and high proficiency in written and speaking English*,
- Knowledge of computer security and electric power systems is a plus.

Application Eligibility

- *English Requirements: 80 points in TOEFL exam or 6.5 points in IELTS,
- GRE scores available or plan to take the exam before admissions deadline.

Interested candidates are encouraged to email their CVs including related course work and transcripts to Prof. Konstantinou (konstantinou@caps.fsu.edu).

For more information, please visit:

<https://www.caps.fsu.edu/>

<https://www.fsu.edu/>

<https://www.eng.famu.fsu.edu/>

<https://ww2.eng.famu.fsu.edu/~konstantinou/>