PhD Student Positions in Advanced Computing for Smart Grids

Are you interested in bringing the beauty of advanced mathematics, machine learning and control into infrastructure networks? Can you help in transforming the electric grid into a smart, 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 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 Fall 2015 or Spring 2016.

The prospective PhD students will work on cyber-physical systems 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 have access to commercial grade software and hardware. Research assistantships are available for selected candidates.

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:

- Have MSc in Electrical Engineering, Computer Science, Mathematics, Operations Research or a closely related field,
- Strong quantitative background (statistics, machine learning or control),
- Good programming and database skill (python is a plus),
- Knowledge of power systems is a plus, + Team working skill and high proficiency in written and speaking English.

Candidates should submit a CV including related course work and one page statement of research to Dr. Reza Arghandeh (arghandehr@gmail.com) not later than Aug 15, 2015.

For more information, please visit:

[www.caps.fsu.edu](http://www.caps.fsu.edu)
[www.eng.fsu.edu](http://www.eng.fsu.edu)
[http://arghandeh.jimdo.com](http://arghandeh.jimdo.com)