



SYRACUSE UNIVERSITY

and

L. C. SMITH COLLEGE OF ENGINEERING & COMPUTER SCIENCE
Department of Electrical Engineering & Computer Science

invite you to attend the

Smart Grid Workshop:
State of Technologies & Future Research Directions

A Workshop for Professionals in the Energy Sector



Friday, July 19, 2013 on the campus of Syracuse University
9:00 a.m. – 12:00 noon & 1:00 p.m. - 4:00 p.m.

Earn Six Professional Development Hour (6 PDH) credits while advancing your knowledge of distribution system operation, modeling, power electronics, communication technology, cyber-security, as well as power system cost and gas-emission optimization.

Smart Grid Workshop: *State of Technologies & Future Research Directions*

Syracuse University Smart Grid group will be offering a workshop on Smart Grid for industry and academia. This workshop will introduce different intertwined topic areas to show the benefits as well as the complex nature of the Smart Grid. Various fundamental smart-grid related topics will be presented in a balanced way so participants will see the global picture of the power system. The workshop will be informative for engineers, executives, academia and anyone who would like to get a perspective on the future power system. This workshop is designed such that all professionals regardless of their discipline will be able to take the course. Each hour of the workshop will provide 1 PDH for the attendees (total of 6). The workshop will be taught by the Syracuse University faculty and will cover a wide range of interconnected topics related to Smart Grid including power distribution system with distributed sources, optimization, control as well as communication and cyber security processes in power systems, and how the advanced technology will positively impact energy suppliers, manufacturers, consumer and society.

Workshop Outline

1. Distributed resources: Cost and gas emission optimization
2. Renewable energy sources: Integration to the grid
3. Bridge to the grid: Power Electronics
4. Real time: Wide scale visibility of grid performance
5. Wireless communication and Smart Grid
6. Cyber-security: Availability, Integrity, Confidentiality

Registration Includes

- Six (6) PDHs
- Morning & Afternoon Snacks
- Free Parking in Booth Garage (available for the “Smart grid Workshop” to receive free parking)

Registration Fees

The registration fee for the Smart Grid Workshop is \$185.00.

Registration Fee payment must be mailed with the Registration Form to
Ms. Shalini Suryanarayana, Syracuse University, Dept. of EECS, 4-206 CST, Syracuse,
NY 13244

Payments should be made by check payable to **Syracuse University**, with “**Smart grid Workshop**” indicated on the memo line. (Sorry, no credit cards can be accepted)

Questions/Contacts

Please feel free to contact us with questions or for more information.

Dr. Prasanta Ghosh, Faculty Coordinator, 315-443-4440, pkgghosh@syr.edu

Ms. Shalini Suryanarayana, Smart Grid Program Director, 315-443-2134, snsuryan@syr.edu