

Cyber Security for Smart Energy Systems Summer School



June 13–17, 2011

Q Center, St. Charles, Illinois

With support from the U.S. Department of Energy and U.S. Department of Homeland Security, the Trustworthy Cyber Infrastructure for the Power Grid (TCIPG) Center is proud to present the Cyber Security for Smart Energy Systems Summer School. The Summer School will explore the nexus between electrical energy systems and cyber security. It is intended for practitioners, researchers, and students.

Participants will obtain essential background in the basics of cyber security, and in the traditional generation, transmission, and distribution systems of the power grid. They will gain an understanding of how the power grid is evolving into a smarter energy system, with an emphasis on associated cyber security challenges. Experts from industry, national labs, academia, and government will lead sessions that include case studies from industry and examples from current research. Idaho National Laboratory will offer an optional, hands-on SCADA Security Lab, and participants will have ample opportunity to connect and network with leading experts, researchers, and practitioners in the field.

The Summer School will be held June 13–17, 2011 at the Q Center (www.qcenter.com), which is located on a 95-acre wooded property on the Fox River in St. Charles, Illinois, just a 45-minute drive from Chicago's O'Hare International Airport.

The Cyber Security for Smart Energy Systems Summer School complements the other research and educational activities of TCIPG. TCIPG is funded by DOE and DHS. The center brings together researchers from the University of Illinois at Urbana-Champaign, Cornell University, Dartmouth College, the University of California at Davis, and Washington State University.

For more details on the Summer School, and registration information, please visit <http://www.tcipg.org/2011SummerSchool>.



Partial List of Speakers

- **Anjan Bose**, Washington State University
- **Jeff Dagle**, Pacific Northwest National Laboratory (PNNL)
- **Herbert Falk**, Systems Integration Specialists Company (SISCO)
- **Carol Hawk**, United States Department of Energy (DOE)
- **Darren Highfill**, Utilisec
- **Diane Hooie**, United States Department of Energy (DOE)
- **Hank Kenchington**, United States Department of Energy (DOE)
- **Himanshu Khurana**, Honeywell
- **Annabelle Lee**, Electric Power Research Institute (EPRI)
- **Wayne Manges**, Oak Ridge National Laboratory (ORNL)
- **Scott Mix**, North American Electric Reliability Corporation (NERC)
- **Liam O Murchu**, Symantec
- **William H. Sanders**, University of Illinois at Urbana-Champaign (UIUC)
- **David Schooley**, Commonwealth Edison (ComEd)
- **Sean Smith**, Dartmouth College
- **Rita Wells**, Idaho National Laboratory (INL)
- **Dave Whitehead**, Schweitzer Engineering Laboratories (SEL)
- **Andrew Wright**, N-Dimension

Graduate Student Scholarships

Thanks to generous support from the Department of Energy and the Department of Homeland Security, graduate students at U.S. institutions are eligible to apply for scholarships, which will cover the full cost of registration, lodging, and up to \$300 of travel expenses. Please complete the application form available at our registration website: <http://www.tcipg.org/2011SummerSchool>. Applications are due by April 15, 2011, and final decisions will be made by April 25, 2011.

Registration and Hotel information

The early registration fee for the full week of the Summer School is \$1,500. Participants also have the option to register for any two days of the week for \$1,000. Your fee includes all program materials, available breaks, and meals. The program begins the morning of Monday, June 13, 2011 and ends at 12:00 noon Friday, June 17, 2011. A block of rooms has been reserved at the Q Center for the nights of June 12-16. For more information on how to register or reserve lodging, please visit <http://www.tcipg.org/2011SummerSchool>. **Graduate students applying for scholarships should not register for the School or lodging until after they receive responses to their applications.**