



TCIPG

Trustworthy Cyber Infrastructure for the Power Grid Summer School – June 17-21, 2013

Q Center, St. Charles, Illinois

Preliminary Agenda – Subject to Change

tcipg.org

Sunday, June 16

7:00 PM	Welcome Reception	Pavilion
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Monday, June 17

6:30 AM	Breakfast Opens	Q Center Dining
8:00 AM	Opening Remarks / Welcome	Riverwoods Amphitheater
8:45 AM	Power System Fundamentals <i>Tom Overbye, University of Illinois at Urbana-Champaign</i> <i>Anurag Srivastava, Washington State University</i>	Riverwoods Amphitheater
10:15 AM	Break	
10:45 AM	Cybersecurity for Power Systems <i>Carl Gunter, University of Illinois at Urbana-Champaign</i> <i>Carl Hauser, Washington State University</i>	Riverwoods Amphitheater
12:15 PM	Lunch	Q Center Dining
1:45 PM	Panel: Cybersecurity in Other Critical Infrastructures Moderator: <i>Alfonso Valdes, University of Illinois at Urbana-Champaign</i> <i>Doug Maughan, U.S. Department of Homeland Security</i> <i>Kevin Staggs, Honeywell</i> <i>Penny Wolter, Chevron</i>	Riverwoods Amphitheater
2:45 PM	Break	
3:15 PM	<i>(to be announced)</i>	Riverwoods Amphitheater
4:15 PM	Smart Grid Vulnerabilities: A Look at Unique Security Challenges in Substation and Distribution Automation <i>Brian Smith, EnerNex</i>	Riverwoods Amphitheater
5:15 PM	Education and Outreach <i>Jana Sebestik, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
6:00 PM	Adjourn	

Tuesday, June 18 – Security Lab meets in D155-D159 from 1-7PM. Bring laptop and admission ticket.

6:30 AM	Breakfast Opens	Q Center Dining
8:00 AM	Bring your questions from Monday's topics.	Riverwoods Amphitheater
8:30 AM	Power Grid Communication Protocols <i>Frances Cleveland, Xanthus Consulting International</i>	Riverwoods Amphitheater
9:45 AM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
10:15 AM	Security Testing, Assessment, and Validation of Devices in Utility Environments <i>Jason Larsen, Idaho National Laboratory</i>	Riverwoods Amphitheater

Tuesday, June 18 (con't)

11:30 AM	Lunch Visit Ameren Smart Grid Training Platform @ 12:30	Q Center Dining Parking Area
1:00 PM	Presentation (<i>title to be announced</i>) <i>Doug Maughan, U.S. Department of Homeland Security</i>	Riverwoods Amphitheater Security Lab 1-7PM in Rooms D155-D159
2:00 PM	Power System Visualization and Analysis <i>Katherine Rogers Davis, PowerWorld</i>	Riverwoods Amphitheater
3:00 PM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
3:30 PM	Deep Dive: Time Synchronization in Wide Area Grid Measurement Systems <i>Jeff Dagle, Pacific Northwest National Laboratory</i> <i>Anna Scaglione, UC Davis</i>	Riverwoods Amphitheater
5:30 PM	Adjourn Visit Ameren Smart Grid Training Platform until 6PM	North Parking Area

Wednesday, June 19

6:30 AM	Breakfast Opens	Q Center Dining
8:00 AM	Bring your questions from Tuesday's main session topics.	Riverwoods Amphitheater
8:30 AM	Security-aware Modeling and Simulation of Grid Systems <i>David Nicol, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
10:00 AM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
10:30 AM	Secure Network Architecture for Control Systems <i>Andrew Wright, N-Dimension Solutions</i>	Riverwoods Amphitheater
12:00 PM	Lunch Visit Ameren Smart Grid Training Platform @ 1:00 PM	Q Center Dining Parking Area
1:30 PM	Deep Dive: AMI – including privacy, demand response, security <i>Art Anderson, Pacific Gas & Electric Company</i> <i>Robin Berthier, University of Illinois at Urbana-Champaign</i> <i>Kristin Munsch, Illinois Citizens Utility Board</i>	Riverwoods Amphitheater
3:30 PM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
4:00 PM	Deep Dive: Protection Systems and Cybersecurity <i>Dennis Gammel, Schweitzer Engineering Laboratories</i> <i>William Niemira, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
5:30 PM	Break	
5:45 PM	Networking Reception	Clubhouse Great Room

Thursday, June 20 – Security Lab meets in D155-D159 from 1-7PM. Bring laptop and admission ticket.

6:30 AM	Breakfast Opens	Q Center Dining
8:00 AM	Bring your questions from Wednesday's topics.	Riverwoods Amphitheater
8:30 AM	Building Energy Management Systems and Cybersecurity <i>Himanshu Khurana, Honeywell</i>	Riverwoods Amphitheater
10:00 AM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
10:30 AM	Presentation (<i>title to be announced</i>) <i>Carol Hawk, U.S. Department of Energy</i>	Riverwoods Amphitheater

Thursday, June 20 (con't)

11:30 AM	Lunch Visit Ameren Smart Grid Training Platform @ 12:30	Q Center Dining Parking Area
1:00 PM	Renewables and Resiliency in Microgrids <i>Mariesa Crow, Missouri University of Science & Technology</i>	Riverwoods Amphitheater Security Lab 1-7PM in Rooms D155-D159
1:45 PM	Military Microgrids and SPIDERS Implementation <i>Melanie Johnson, ERDC-CERL</i>	Riverwoods Amphitheater
2:30 PM	Break Visit Ameren Smart Grid Training Platform	Lobby North Parking Area
3:00 PM	Approaches and Challenges in Vehicle-to-Grid Systems <i>Klara Nahrstedt, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
4:00 PM	Lightning Talks by Select Summer School Participants	Riverwoods Amphitheater
5:30 PM	Adjourn Visit Ameren Smart Grid Training Platform until 6PM	North Parking Area

Friday, June 21 – Security Lab meets in D155-D159 from 11:45AM-6PM. Bring laptop and admission ticket.

6:30 AM	Breakfast Opens	Q Center Dining
8:00 AM	Bring your questions from Thursday's main session topics.	Riverwoods Amphitheater
8:30 AM	Advanced Techniques for Security Assessment <i>Edmond Rogers, University of Illinois at Urbana-Champaign</i> <i>Ryan Speers, River Loop Security</i> <i>Tim Yardley, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
9:30 AM	Break	
10:00 AM	Security Testing Framework for Utilities <i>Justin Searle, UtiliSec</i>	Riverwoods Amphitheater
11:00 AM	Closing Remarks <i>William H. Sanders, University of Illinois at Urbana-Champaign</i>	Riverwoods Amphitheater
11:15 AM	Adjourn/Lunch	Q Center Dining
11:45 AM	Hands-on Security Training Lab	D155-D159