








Grid Security Conference (GridSecCon) 2017 Agenda

InterContinental St. Paul Riverfront
11 Kellogg Boulevard East, St. Paul, Minnesota
October 17-20, 2017 | Central Time Zone

Monday, October 16, 2017 | Pre-Conference



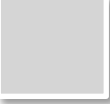


6:00 p.m.-8:00 p.m. Evening Registration (no reception) - Great River Court

Tuesday, October 17, 2017 | Training Day morning sessions

7:30 a.m.-8:00 a.m.	Continental Breakfast – Great River Court	
8:00 a.m.-12:00 p.m.	Training Tracks	Training Providers
	1A: GridEx IV – Move Zero Training Great River Ballroom (200 seats)	E-ISAC and SANS Institute (Pick both 1A and 1B)
	2A: Physical Security Workshop I Kellogg Room (120 seats)	Physical Security Advisory Group (facilitated by the E-ISAC)
	3A: Convergence of Cybersecurity Situational Awareness Capabilities for the Energy Sector State Suite (100 seats)	National Cybersecurity Center of Excellence National Institute of Standards and Technology
	4A: Designing a Powerful NERC CIP Training and Awareness Program Governors III (50 seats)	Curricula, LLC
	5A: Live Exercise: Red Teaming the Micro Grid Governors IV (75 seats)	Norwich University Applied Research Institutes
12:00 p.m.-1:00 p.m.	Lunch – Great River Court	



Tuesday, October 17, 2017 | Training Day afternoon sessions

1:00 p.m.-5:00 p.m.	Training Tracks	Training Providers
	1B: GridEx IV – Move Zero Training Great River Ballroom (200 seats)	E-ISAC and SANS Institute (Pick both 1A and 1B)
	2B: Physical Security Workshop II Kellogg Room (120 seats)	Physical Security Advisory Group (facilitated by the E-ISAC)
	3B: Mission Dependency Analysis State Suite (100 seats)	Johns Hopkins Applied Physics Laboratory
	4B: Patching Lessons Learned: An Interesting Perspective Governors III (50 seats)	FoxGuard Solutions
	5B: Threat Modeling, Intelligence Consumption, and Hunting in ICS Governors IV (75 seats)	Dragos, Inc.
6:00 p.m.-9:00 p.m.	Welcome and Networking Reception – Minnesota Court	

Wednesday, October 18, 2017 | Strategies and Threat Day | Great River Ballroom

<i>Time</i>	<i>Activity and Speaker</i>
7:30 a.m.-8:15 a.m.	Registration (Great River Court) and Continental Breakfast Minnesota Court/Ballroom
8:15 a.m.-8:30 a.m.	Logistics - Bill Lawrence, Director of the E-ISAC
8:30 a.m.-9:00 a.m.	Welcome Address and Opening Keynote - Gerry Cauley, President and CEO, North American Electric Reliability Corporation
9:00 a.m.-9:30 a.m.	Host Utility Keynote - Ben Fowke, Chairman of the Board, President and CEO, Xcel Energy
9:30 a.m.-10:00 a.m.	Energy Keynote – Patricia Hoffman, Principal Deputy Assistant Secretary, Office of Electricity Delivery & Energy Reliability, Department of Energy
10:00 a.m.-10:30 a.m.	Break - Minnesota Court/Ballroom



Wednesday, October 18, 2017 | Strategies and Threat Day | Great River Ballroom

<i>Time</i>	<i>Activity and Speaker</i>
10:30 a.m.-11:05 a.m.	Industry's Work with Government Partners Scott Aaronson, Executive Director, Security and Business Continuity, Edison Electric Institute Francis Bradley, Chief Operating Officer, Canadian Electricity Association
11:05 a.m.-11:40 a.m.	Law Enforcement and the Electricity Industry – Supervisory Special Agent Christopher Golomb, FBI
11:45 a.m.-1:00 p.m.	Off-site Lunch at Union Depot - 214 4 th Street East, Suite 300, St. Paul, Minn.
1:00 p.m.-1:45 p.m.	Insider Threat Moderator: Carl Herron, Senior Manager, Physical Security, E-ISAC Joseph Ladd, Information Technology Manager, Fusion Center, Southern Company Sharon Chand, Principal, Deloitte and Touche Cyber Risk Services Team
1:45 p.m.-2:45 p.m.	Midwest Reliability Organization Security Advisory Council Moderator: Steen Fjalstad, Security and Mitigation Principal, Midwest Reliability Organization Mike Kraft – Basin Electric Power Cooperative, Senior Engineer Steve Brown – Xcel Energy, Vice President and Chief Security Officer Jodi Jensen – Western Area Power Administration, Senior SCADA Specialist Warren Laplante – ALLETE Security, Manager
2:45 p.m.-3:15 p.m.	Break - Minnesota Court/Ballroom
3:15 p.m.-3:45 p.m.	Geomagnetic Disturbances and High-Altitude Electromagnetic Pulse Research Bob Arritt, Technical Executive Grid Operations and Planning, Electric Power Research Institute
3:45 p.m.-5:15 p.m.	Collateral Damage in the Age of Hybrid War (the Threats of Modern Malware) Moderator: Timothy Roxey, Vice President and Chief Special Operations Officer, E-ISAC Robert Lee, Chief Executive Officer, Dragos, Inc. Michael Assante, Director of Critical Infrastructure and Curriculum Lead, ICS and SCADA, SANS Institute Sam Chanoski, Director of Situation Awareness and Event Analysis, NERC
5:15 p.m.	Closing Remarks
6:00 p.m.-9:00 p.m.	Evening Networking Reception - Minnesota Court/Ballroom



Thursday, October 19, 2017 | Solutions Day | Great River Ballroom

<i>Time</i>	<i>Activity and Speaker</i>
7:30 a.m.-8:15 a.m.	Continental Breakfast - Minnesota Court/Ballroom
8:15 a.m.-9:45 a.m.	E-ISAC Experts Present - E-ISAC staff Moderator: Steve Herrin Director, Operations and CRISP Senior Manager Jesse Reisman, Chief, Watch Operations Carlo Castañeda, Manager for Cyber Security Analysis Charlotte de Sibert, Principal Physical Security Analyst
9:45 a.m.-10:15 a.m.	Break - Minnesota Court/Ballroom
10:15 a.m.-11:45 a.m.	Lightning Round Presentations (10 minutes each) <i>Drones and the Threat to Critical Infrastructure</i> - Ernie Hayden, ICS Cyber and Physical Security, BBA, Inc. <i>Dragonfly: Cyber attacks against western energy sector</i> - Vikram Thakur, Technical Director, Symantec Corporation <i>The Elusive but Essential Return on Investment</i> - Donna Vignes, Security Program Manager, MISO <i>Implementing Application Whitelisting on Computers Used for Protection and Control</i> - Bernard Tatera, Principal Engineer in the Systems Automation Group, Pacific Gas & Electric <i>Thermal Perimeter Intrusion Detection</i> - Brady Flamm, Vice President of Business Development, Thermal Imaging Radar <i>Visibility is the Key to Protection</i> - Rick Kaun, Vice President of Solutions, Verve Industrial Protection <i>Designing Secure Remote Access Solutions for Substations</i> - John Biasi, Senior Cybersecurity Specialist, Burns & McDonnell
11:45 p.m.-1:00 p.m.	Off-site Lunch at Landmark Center - 75-5 th Street West, St. Paul, Minn.
1:00 p.m.-2:00 p.m.	Cyber and Physical Security Convergence Moderator: Tobias Whitney, Senior Manager of CIP Compliance, NERC Pat Ervin, Power Grids Compact Substation Business Development Manager, ABB Tyler Mullican, Vice President of Security Architecture, Fortress Information Security
2:00 p.m.-3:00 p.m.	Supply Chain Management Moderator: Howard Gugel, Senior Director, Standards and Education, NERC James Chuber, Managing Director, Enterprise Supply Chain, Duke Energy Tom Alrich, Senior Manager, Enterprise Risk Services, Deloitte Michael Toecker, Owner/Engineer, Context Industrial Security Orlando Stevenson, Manager, Programs and Plans, E-ISAC
3:00 p.m.-3:30 p.m.	Break - Minnesota Court/Ballroom
3:30 p.m.-4:00 p.m.	Rapid Attack Detection Isolation and Characterization Systems (RADICS) – TBD, Information Innovation Office (I2O), Defense Advanced Research Projects Agency



Thursday, October 19, 2017 | Solutions Day | Great River Ballroom

<i>Time</i>	<i>Activity and Speaker</i>
4:00 p.m.-5:00 p.m.	GridEx IV (panel discussion) Moderator: Jacob Schmitter, Senior Manager, Exercises and Training, E-ISAC Tim Conway, Technical Director, ICS and SCADA, SANS Institute Steven Briggs, Senior Program Manager, Instrumentation and Controls (I&C) Systems and Generation Cyber Security, Tennessee Valley Authority Doug Flood, Associate, Booz Allen Hamilton
5:00 p.m.	GridSecCon 2017 Closing Comments

Friday, October 20, 2017 | Tours and Briefings Day

<i>Time</i>	<i>Activity and Speaker</i>
7:30 a.m.-8:00 a.m.	Continental Breakfast – Great River Court
8:00 a.m.-9:00 a.m.	Threat Briefing - For Official Use Only - Kellogg Room
10:00 a.m.-12:00 p.m.	Classified Briefing (Secret clearance required transportation provided)

FBI - Minneapolis
 1501 Freeway Boulevard
 Brooklyn Center, Minn. 55430

Utility Tours in the Local Area (times listed are for departure – please arrive early to the bus and ensure you're on the correct tour; return times are approximate; some tours are restricted, involve heavy walking and climbing, and require waivers or other documentation).

Please see the following link for [more information on each tour](#).

8:00 a.m., 9:45 a.m., Xcel Energy High Bridge Plant (1.5 hours with walking and stair climbing)
 or 1:00 p.m.

- **Tour A (25 seats):** Bus leaves at 8:00 a.m. Tour from 8:15 – 9:45 a.m. Bus returns at 10:00 a.m.
- **Tour B (25 seats):** Bus leaves at 9:45 a.m. Tour from 10:00 – 11:30 a.m. Bus returns at 11:45 p.m.
- **Tour C (25 seats):** Bus leaves at 1:00 p.m. Tour from 1:15 – 2:45 p.m. Bus returns at 3:00 p.m.

8:30 a.m. Xcel Energy Monticello Nuclear Plant (4 hours with walking and stair climbing)

- **Tour D (12 seats):** Bus leaves at 8:30 a.m. Tour from 9:15 – 2:45 p.m. Lunch will be provided. Bus returns at 3:30 p.m.