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**GRIDSECCON 2022**  
NERC • E-ISAC • RELIABILITYFIRST

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**October 17–19, 2022**

## 2022 GridSecCon Program Welcome Letter

Welcome to the 11th annual grid security conference, GridSecCon 2022! This is the second year we are hosting the conference in a completely virtual environment. Once again, we have a great level of participation across the industry, and we are confident you will find the program engaging and informative. This year's event is co-hosted by the North American Electric Reliability Corporation (NERC), the Electricity Information Sharing and Analysis Center (E-ISAC), and ReliabilityFirst. It is part of the Electric Reliability Organization (ERO) Enterprise's collaborative efforts to support industry in helping to secure the North American bulk power system through information sharing, education, and collaboration.

Cyber and physical security issues continue to grow in complexity and severity and garner headlines every day. In addition, policymakers and the general public are becoming increasingly aware of and concerned about the potential impacts these risks present. New cyber and physical security threats in the geopolitical arena; critical software vulnerabilities; new and changing technologies; and increasingly bold cyber criminals continue to present serious challenges to bulk power system reliability. Information sharing, collaboration, and coordination are fundamental to our ability to secure our critical infrastructure. It is for this reason that events like GridSecCon, which help industry plan and prepare for contingencies through training, information sharing, and lessons learned, are so valuable. It is clear from the number of registrants that cyber and physical security remain a top priority for industry's reliability efforts.

Our program this year is very exciting, and the first day will begin with keynote speakers Tim Gallagher, president and chief executive officer (CEO), ReliabilityFirst; Joanna Burkey, chief information security officer, HP Inc.; and Puesh Kumar, director, Office of Cybersecurity, Energy Security and Emergency Response, U.S. Department of Energy. The keynote speakers on the second day will be Nitin Natarajan, deputy director, Cybersecurity and Infrastructure Security Agency, U.S. Department of Homeland Security; and Lesley Gallinger, president and CEO, Independent Electricity System Operator, Canada. We are honored to have these accomplished colleagues share their insights with us.

Our agenda also includes training, panel discussions, and breakout sessions on threat analysis, human performance, cyber security and supplier diversity, domestic violence extremists, personal and organizational resilience, and a look to next year's grid security exercise, GridEx. At the conclusion of GridSecCon 2022, we will announce the winner of the E-ISAC Electricity Security Service Award in honor of Michael J. Assante, who was instrumental in building the E-ISAC. The award recognizes individuals or teams who have made significant contributions to support the security of the North American electricity industry.

We cannot maintain reliability without also securing the North American bulk power system. Now more than ever, industry must strengthen its defense-in-depth capabilities and remain vigilant as our adversaries continue to develop more sophisticated campaigns that place the North American grid at risk. GridSecCon is one way that the ERO Enterprise fosters a learning environment that supports this common goal. We look forward to the presentations, discussions, and a successful conference.

Jim Robb



President and CEO  
NERC

Manny Cancel



Senior Vice President, NERC  
President and CEO, E-ISAC

Tim Gallagher



President and CEO  
ReliabilityFirst

# Agenda

All times are in the Eastern Time zone.

## Monday, October 17 | Training

**11:00 a.m.–3:00 p.m. Training Sessions**

Training Topic	Training Provider
Bombing Prevention Training and Resources	U.S Department of Homeland Security
Building a Best-in-Class Risk-based CIP Firewall Review Workflow for Continuous Compliance	Network Perception
Building an Exercise Program that Sticks	Archer
CyOTE Practitioner Training	Idaho National Laboratory
Improving Software Supply Chain Security	aDolus Technology, Inc.
Incident Response Training for Cyber Events	Meridian Cooperative
Physical Security Tools for Your Organization	E-ISAC Physical Security Analyst Team
Sneak Peek at SANS ICS 418–ICS for Managers Course	SANS



**6:00–9:00 p.m. SANS and Dragos Industrial Control Systems Capture the Flag: DAY 1**

## Tuesday, October 18 | DAY 1

**11:00–11:05 a.m. Welcome/Opening Remarks**

Jim Robb: President and CEO, NERC

**11:05–11:20 a.m. Regional Entity Keynote**

Tim Gallagher: President and CEO, ReliabilityFirst



11:20–11:50 a.m.



**Keynote**

Joanna Burkey: Chief Information Security Officer, HP Inc.

11:50 a.m. –12:25 p.m.

**Keynote**

Puesh Kumar: Director, Office of Cybersecurity, Energy Security, and Emergency Response

12:25–12:30 p.m.

**Transition/Break**

12:30–1:30 p.m.

**Concurrent Breakout Sessions**

**Cybersecurity and Supplier Diversity: Cybersecurity for Small and Diverse Businesses**

**Samuel Icasiano:** Managing Director, Deloitte & Touche, LLP

**Erica Wylie-Chambers:** Principal, Transmission Development and Strategy, Exelon Corporation



**Gas and Electricity Interdependencies**

**Anna Balance:** Senior Advisor, Industry Policy Coordination, E-ISAC

**Jim Davis:** Regulatory and Market Policy Strategic Advisor, Dominion Energy

**Kimberly Denbow:** Managing Director, Security and Operations, American Gas Association

**David McConkey:** Manager of Operations and Safety, Canadian Gas Association

**Maggie O’Connell:** Director of Security, Reliability, and Resilience, Interstate Natural Gas Association of America



**NRECA Threat Analysis Center**

**Meredith Miller:** Senior Data Scientist, NRECA

**Optimizing Supplier-Purchaser Interaction for Supply Chain Risk Management**

**Jennifer Couch:** Transmission EMS Compliance Manager, Southern Company

**David Earley:** Program Manager, Cybersecurity and Supply Chain, North American Transmission Forum

**Mikhail Falkovich:** Chief Information Security Officer, Con Edison

**Christopher Fitzhugh:** Industrial Control Systems Security Consultant, North America, Siemens Energy

**Tony Hall:** Manager CIP and Federal Regulatory Compliance, LG&E and KU Energy

**Frank Harrill:** Vice President of Security, Schweitzer Engineering Laboratories

**Ken Keels:** Director, Initiatives, North American Transmission Forum

**Michael Pyle:** Director, Product Cyber Security, Schneider Electric

### **Strengthening Organizational Adaptive Capacity to Blended IT/OT Events**

**Michael Legatt:** Founder and CEO, ResilientGrid, Inc.

**Mark Rice:** Cybersecurity Research Team Lead, Pacific Northwest National Labs

### **The Case for P.A.C.E. HF Radio for Continuity of Critical Infrastructure's Critical Communications**

**Lance LaBreck:** Business Continuity Manager, CAISO

**David Rudawitz:** Advisory Board, Critical Infrastructure, NVIS Communications, LLC

1:30–2:00 p.m.

### **Sponsor Engagement/Networking Sessions**



2:00–3:00 p.m.

### **Concurrent Breakout Sessions**

#### **Always Look on the Bright Side of Life: Taking a Different Perspective on Cybersecurity Performance**

**Sam Chanoski:** Technical Relationship Manager, Idaho National Laboratory

#### **Cyber Risk-Informed Verification and Validation throughout Device Lifecycle**

**Aditya Ashok:** Electrical Engineer and Team Leader, Pacific Northwest National Laboratory

**Seemita Pal:** Electrical Engineer and Team Leader, Pacific Northwest National Laboratory

**Jessica Smith:** Cyber Security Researcher and Team Leader, Pacific Northwest National Laboratory



#### **Domestic Violent Extremists Threats to the Electricity Industry**

**Ruth Christenson:** Counterterrorism Analyst, Weapons and Infrastructure Division, National Counterterrorism Center

**Brett Lawler:** Senior Threat Intelligence Consultant, Xcel Energy

**Kyle Melnychyn:** Partnership, Engagements, Energy/Utilities/Manufacturing Sectors, Royal Canadian Mounted Police

**Brian Nowak:** Special Agent, FBI

**Charles Porter:** Senior Analyst, Office of Intelligence and Analysis, U.S. Department of Homeland Security

**Ensuring a Secure BPS with Growing Levels of DERs and DER Aggregators**

**Larry Collier:** OT Cybersecurity Specialist, NERC

**John Skeath:** Engineer II, NERC

**Report on Cybersecurity of Distribution Systems: IIJA Section 40121**

**Jordan Henry:** Chief Cyber Engineer, National Renewable Lab

**Joe Quinn:** Senior Policy Advisor, Cybersecurity, Energy Security, and Emergency Response (CESAR), Department of Energy

**Mara Winn:** Deputy Director, Preparedness, Policy and Risk Analysis, Cybersecurity, Energy Security, and Emergency Response (CESAR), Department of Energy

**Integrating Cyber Resilience and Emergency Response across Critical Infrastructure Sectors and Partners**

**Eóin Cooke:** Vice President, Security and Information Services, AltaLink

**Michael Powell:** Vice President, Government Relations, Electricity Canada

**3:00–3:05 p.m.**

**Transition/Break**

**3:05–3:55 p.m.**

**General Session: E-ISAC Threat Briefing**

**3:55–4:00 p.m.**

**Closing Remarks**

**Manny Cancel:** NERC Senior Vice President and CEO, E-ISAC

**6:00–9:00 p.m.**

**SANS and Dragos Industrial Control Systems Capture the Flag: DAY 2**

## Wednesday, October 29 | DAY 2

11:00 a.m.

### Welcome

**Manny Cancel:** NERC Senior Vice President and CEO, E-ISAC

11:00–11:30 a.m.



### Keynote

**Nitin Natarajan:** Deputy Director, CISA

11:30 a.m.–12:00 p.m.

### Keynote

**Lesley Gallinger:** President and CEO, IESO

12:00–12:15 p.m.

### Transition/Break

12:15–1:15 p.m.

### Cyber Insurance: How Threats Influence Costs and the Role of Cybersecurity Assessment

**Jesse Adams:** Cyber Threat Intelligence Analyst, MS-ISAC

**Eugene Kipniss:** Director of Partnerships and Stakeholder Maturity, MS-ISAC



### Energy Threat Analysis Center Pilot: A Collective Defense Innovation

**Sharla Artz:** Security and Resilience Policy, AVP, Xcel Energy

**Kegan Gerard:** Cybersecurity Senior Advisor, Southern California Edison

**Michele Guido:** Business Assurance Principal, Southern Company

**Rob Morgus:** Senior Advisor, Risk and Resilience, Berkshire Hathaway Energy

**Tyler Tiller:** ETAC Security Advisor, E-ISAC



### GridEx VI Recommendations Update

**Lance LaBreck:** Business Continuity Manager, CAISO

**Laura Brown:** Director, E-ISAC Strategy, Policy, and Programs, E-ISAC

**Peter Grandgeorge:** State National Security and Resiliency Programs Advisor, Berkshire Hathaway Energy

### Intersection of Policy, Third Parties, and Risk of Data Loss

**Mikhail Falkovich:** Chief Information Security Officer, Con Edison

**Mary Krayske:** Assistant General Counsel, Con Edison

### Lessons Learned in Establishing a New Intelligence Program

**Matthew Tompkins:** Director, Intelligence Coordination Division, Federal Energy Regulatory Commission

### Personal and Organizational Resilience

**Greg Dudkin:** Executive Vice President, PP&L

**Kelly Hanson:** Senior Vice President, Chief Administrative Officer, NERC

**Suzanne Keenan:** Board Member, NERC

**Natalye Paquin:** President and CEO, Points of Light

### Practical Application of HOP Concepts

**Rob Fisher:** President and Director of Operations, Fisher Improvement Technologies

1:15–1:45 p.m.

### Sponsor Engagement/Networking Sessions



1:45–2:45 p.m.

### General Session: GridEx VII: An Exercise for the Industry

**Adrienne Lotto:** Senior Vice President of Grid Security, Technical and Operations Services, APPA

**Doug McCracken:** Director, Systems Operations, Eversource Energy

**Blake Stave:** Senior Resilience Lead, Xcel Energy

**Jesse Sythe:** GridEx Program Manager, E-ISAC

2:45–3:00 p.m.

### General Session: Competition Winners, Presentation of E-ISAC Award, Closing Remarks

**Manny Cancel:** NERC Senior Vice President and CEO, E-ISAC



## GridSecCon 2022 Sponsor Listing

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[michael@AerialArmor.com](mailto:michael@AerialArmor.com)

### Burns & McDonnell

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Kansas City, MO 64114  
314-944-8974  
[www.burnsmcd.com](http://www.burnsmcd.com)  
[jfarquharson@burnsmcd.com](mailto:jfarquharson@burnsmcd.com)

### Dragos, Inc.

1745 Dorsey Road  
Suite R  
Hanover, MD 21076  
855-372-4670  
[www.dragos.com](http://www.dragos.com)  
[info@dragos.com](mailto:info@dragos.com)

### E-ISAC Vendor Affiliate Program

1401 H Street NW, Suite 410  
Washington, DC 20005  
202-657-9019  
[www.eisac.com/s/vendorprogram](http://www.eisac.com/s/vendorprogram)  
[Carly.cipolla@eisac.com](mailto:Carly.cipolla@eisac.com)

### Force 5, Inc.

4390 SW 73 Avenue  
Miami, FL 33155  
[www.force5solutions.com](http://www.force5solutions.com)  
[infor@force5solutions.com](mailto:infor@force5solutions.com)

### Fortinet

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### Industrial Defender

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Foxborough, MA 02035  
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[info@industrialdefender.com](mailto:info@industrialdefender.com)

### ITEGRITI Corporation

10497 Town and Country Way  
Suite 700  
Houston, TX 77024  
<https://itegriti.com/>  
[michael.sanchez@itegriti.com](mailto:michael.sanchez@itegriti.com)

### Midwest Security Products

3840 Herr Road  
Sylvania, OH 43560  
419-534-6886  
[www.mwspi.com](http://www.mwspi.com)  
[sales@mwspi.com](mailto:sales@mwspi.com)

### Network Perception

20 N Wacker Drive  
Chicago, IL 60606  
872-245-4100  
[network-perception.com](http://network-perception.com)  
[info@network-perception.com](mailto:info@network-perception.com)

### Security Scorecard

Tower 49 12E 49<sup>th</sup> Street  
Suite 15-001  
New York, NY 10017  
800-682-1701  
[www.securityscorecard.io](http://www.securityscorecard.io)  
[info@securityscorecard.io](mailto:info@securityscorecard.io)

### Verve Industrial

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Sourced from FAA-ASH Info Note

Russia-Ukraine Conflict: UAS Operations May Inspire Adversaries



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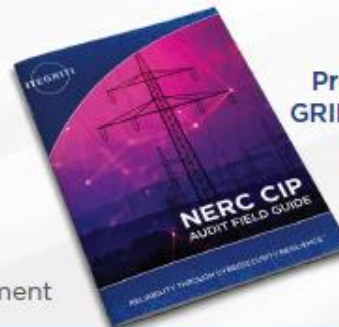


ITEGRITI is a cybersecurity and compliance consulting and advisory firm specializing in Critical Infrastructure Protection with deep NERC CIP expertise gained through our work in protecting large-scale and distributed National Critical Infrastructure since the Standards first became mandatory.

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**DRAGOS** WHITEPAPER

## 10 Ways Asset Visibility Builds the Foundation for OT Cybersecurity

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The image shows a whitepaper cover for DRAGOS titled "10 Ways Asset Visibility Builds the Foundation for OT Cybersecurity". The cover features a green and white color scheme with a grid pattern. A "DOWNLOAD" button is visible in the bottom right corner of the whitepaper image.



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The image shows a Verve advertisement with a dark blue background and an orange arrow pointing right. On the right side, there is a photograph of a power transmission tower against a sunset sky.





## Vendor Affiliate Program

TLP: WHITE - Disclosure is not limited

The electricity threat landscape continues to evolve with new security vulnerabilities, changing technologies, extreme weather, and bold adversaries. The [E-ISAC Vendor Affiliate Program](#) allows qualified manufacturers and cyber security solutions providers the opportunity to join the [E-ISAC](#) community to collaborate and share information directly with E-ISAC utility members. The E-ISAC is looking for the vendor community to join in sharing and exchanging information with the E-ISAC and its members, and promote collective defense across the sector.

The Vendor Affiliate Program is open to:

- Electricity industry original equipment manufacturer suppliers
- Cyber security solutions companies
- Providers of other related technology, product, or information services to electricity and/or other critical infrastructure stakeholders

The E-ISAC Vendor Affiliate Program is focused on facilitating information sharing and best practices in a trusted environment for member and partner organizations

Please visit the [Vendor Affiliate Program](#) webpage to learn more and enroll. Questions? Contact [memberservices@eisac.com](mailto:memberservices@eisac.com).

### Program Benefits

- **Connect with Members:** Engage with E-ISAC members at events such as GridSecCon, the Industry Engagement Program, working groups, and more
- **Serve as an Industry Leader:** Provide subject matter expertise on critical vulnerabilities and security solutions through monthly security briefings and special topic webinars
- **E-ISAC Portal Access:** Obtain the latest industry threat information and analysis