

The 3rd Next Generation Cyber Security for Utilities

Staying a Step Ahead of
Increasingly-Sophisticated Cyber Threats

February 13 - 14, 2019
Denver, CO



FEATURING AN EXCLUSIVE TOUR OF
TRI-STATE GENERATION & TRANSMISSION

FEBRUARY 12, 2019 • See page 3 for more information

INTRODUCTION

With the value of damages caused by cyber-attacks growing rapidly every year, adopting a new and comprehensive approach to cyber security is more important than ever. Among essential facilities that feel this pressure, few feel it more than our utilities. Cyber incidents have the potential to bring regional economic growth to a grinding halt, especially when they target the lifeblood of our modern civilizations. With threats becoming more sophisticated and gaining better resources, security professionals must continue to adapt and develop their methods of defence and response to ensure the uninterrupted production of our power.

SPONSORSHIP OPPORTUNITIES

With leading companies and organizations from the Cyber Security for Utilities industry attending and speaking at our event, we have the perfect opportunity to provide outstanding exposure to a high-level, professional audience.

There are varying sponsorship packages available, including sponsorship of a cocktail reception on the first evening of the event and sponsorship of a networking lunch.

Krisztina Gyulavári, Manager of Sponsorship Sales
+44 754 923 2644 • kvari@acius.net

SPONSORS INCLUDE

BURNS  **MCDONNELL**

The 3rd Next Generation Cyber Security for Utilities Conference

February 13-14, 2019 • Denver, CO

SPEAKERS

Todd Ponto, Chief Technology Officer
AESI

Jerome Farquharson, Director of
Compliance & Critical Infrastructure
Protection
BURNS & McDONNELL

Dave Trask, Information & Control
Systems Principal Engineer
CANADIAN NUCLEAR LABORATORIES

Phyllis Lee, Senior Director of
Controls
CENTER FOR INTERNET SECURITY

Kaitlin Brennan, Manager of Cyber &
Infrastructure Security
EDISON ELECTRIC INSTITUTE

Ralph King, Cyber Security Program
Manager
ELECTRIC POWER RESEARCH INSTITUTE

Charles Salas, Manager of
Industrial Cyber Security
EXELON

Simon Slobodnik, IT Specialist
**FEDERAL ENERGY REGULATORY
COMMISSION**

Andrew Bochman, Senior Cyber &
Energy Security Strategist
IDAHO NATIONAL LABORATORY

Glen Chason, Senior Consultant of
Industrial Control Systems
MANDIANT

Michael Kelly, Energy Research
Analyst
NAVIGANT RESEARCH

Jim Cunningham, Executive Director
PROTECT OUR POWER

Brian Gatus, Principal Manager of
Indirect Procurement
SOUTHERN CALIFORNIA EDISON

Reid Fudge, CISO/Enterprise Risk
Management
**TRI-STATE GENERATION AND
TRANSMISSION ASSOCIATION, INC.**

KEY TOPICS

Through a series of presentations, sessions, and panel discussions, this event will cover some of the major current concerns of the industry.

- Leveraging cyber security to achieve resiliency without compromise
- Early detection of threats to operational systems to enhance preparedness
- Building a real-time incident response plan to eradicate malicious files, software, and other harmful threats
- Analysis of whether to own security operations or to outsource to a third party
- Recovery from breakdown
- Technological and strategic cyber security options for municipal utilities
- Deploying a set of controls to mitigate cyber attacks
- Monitoring weaknesses exposed by guidelines to identify the main vulnerability areas within the organization
- The value of physical and cyber security convergence

WHO SHOULD ATTEND

This two-day conference will offer excellent opportunities for you to network with your peers from other utility companies: CEOs, CIOs, CSOs, Vice-Presidents, Directors, and Senior Managers responsible for:

- Cyber/Information Security
- Compliance and Regulatory Matters
- Planning, Governance, & Risk Management
- Physical/System Security
- IT, Information, and Network Security
- Utilities and power generators
- SCADA/Grid Security and/or Protection
- Distribution companies
- Energy management service providers
- Data Management Centers
- Customer service, customer care and customer programs

ACTIVE COMMUNICATIONS INTERNATIONAL

Active Communications International, Inc. (ACI) is a leader in conference planning and production. With offices in Chicago, London, Pune, Portland, Poznan and Milwaukee, we produce world-class events focusing on areas of most relevance to our served industry sectors. We are dedicated to deliver high-quality, informative and value added strategic business conferences where audience members, speakers, and sponsors can transform their business, develop key industry contacts and walk away with new resources.

Mission Statement: ACI's mission is to unite key industry influencers and leaders to build strong relationships and enable our clients to achieve operational efficiencies, maintain competitive advantage in the marketplace, and increase their profitability.

Quality: ACI invites senior-level executives and key industry leaders to share their insights and real-life working experiences with our audience. Our unique conference format offers an intimate and time-efficient educational development platform where our attendees can meet one-on-one with the people that can assist them in achieving their goals.

Research: ACI offers cutting-edge conferences that are developed through extensive research and development with industry experts to bring you the latest trends, forecasts, and best practices.

Experience: Our team of experienced conference producers and managers know you and your business demands. ACI has the resources, knowledge, and experience to create the events you need to remain on the forefront of your industry.

CALL FOR PAPERS

If you would like to be considered as a speaker for the event with a 30-45 minute presentation, please submit an abstract for consideration.

Garett Williams, Senior Conference Producer
312 780 0700 • garett@acieu.net

INFORMATION/REGISTRATION

For further information or to register your attendance, contact:

Cheryl Williams, Marketing, Sales and Media Partnerships
+44 203 141 0623 • cwilliams@acieu.net

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SITE TOUR • TRI-STATE GENERATION & TRANSMISSION • TUESDAY, FEBRUARY 12, 2019

1:00 PM DEPARTURE FROM VENUE

1:25 PM ARRIVAL AT TRI-STATE GENERATION AND TRANSMISSION / GREETING BY STAFF / REGISTRATION WITH SECURITY

1:35 PM TOUR OF ENERGY MARKET

2:00 PM TOUR OF TRANSMISSION DISPATCH

2:30 PM REFRESHMENTS / OUTSTANDING QUESTIONS

2:45 PM DEPARTURE FROM TRI-STATE GENERATION AND TRANSMISSION

Westminster, Colorado-based Tri-State Generation and Transmission Association is a not-for-profit, cooperative wholesale power supplier to 43 member electric distribution cooperatives and public power districts that collectively serve more than one million consumers across Colorado, Nebraska, New Mexico and Wyoming. The association's more than 1,500 employees focus on delivering members reliable and affordable power and a wide range of services. Created by its members in 1952, today Tri-State delivers electricity generated from coal, natural gas and renewable energy across a 5,562-mile high-voltage transmission system.



CONFERENCE DAY ONE • WEDNESDAY, FEBRUARY 13, 2019

8:00 AM REGISTRATION AND COFFEE

9:00 AM CHAIRPERSON'S OPENING REMARKS

9:15 AM CONFERENCE PRESENTATION: OUTLOOK FOR THE FUTURE OF CYBER SECURITY'S ROLE IN UTILITIES

- Emphasizing the growing necessity for cyber security programs through trend analysis and case studies
- Projecting likely sources of future attacks and their severity in the current and projected geopolitical and projected geopolitical climate
- Identifying, at a high level, the "how's" of several known attacks and the impact they've had against their targets

Michael Kelly, Energy Research Analyst
NAVIGANT RESEARCH

10:00 AM CONFERENCE PRESENTATION: UPDATED REPORTING STANDARDS AND EFFECTIVE SHARING OF INCIDENT DATA

- Spreading awareness of possible future incursion techniques through adequate reporting of disrupted reliability tasks
- Increasing quality of reporting by establishing nationwide standards to minimize information loss due to data interpretation disparities
- Avoiding understating, or overstating, modern threats by analyzing mass amounts of incident data and drawing conclusions
- Speeding up initial incident awareness by forming inter-organizational agreements

Simon Slobodnik, IT Specialist
FEDERAL ENERGY REGULATORY COMMISSION

10:45 AM MORNING REFRESHMENTS

11:15 AM CONFERENCE PRESENTATION: TALENT ACQUISITION AND TEAM DEVELOPMENT STRATEGIES

- Accessing new talent pools by establishing recruiting programs targeting recent college graduates
- Forming an effective training program to bring new recruits up to speed and standardize their skill set
- Outlining legal implications of an attack outcome to incentivize executive staff to allot a greater budget to maintaining an adequate team size

Charles Salas, Manager of Industrial Cyber Security
EXELON

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11:15 AM

CONFERENCE PRESENTATION: TBD

Jerome Farquharson, Director of Compliance & Critical Infrastructure Protection
BURNS & McDONNELL

12:25 PM

LUNCH

1:25 PM

CONFERENCE PRESENTATION: CYBER MUTUAL ASSISTANCE – A NEW MODEL FOR ELECTRIC COMPANIES PREPARING AND RESPONDING TO CYBER SECURITY EMERGENCIES

- Today, the electric industry's culture of mutual assistance is a model for creating responses to cyber threats to the energy grid
- It is a natural extension of the electric power industry's longstanding approach of sharing critical personnel and equipment when responding to emergencies
- The Cyber Mutual Assistance Program was developed based on lessons learned from major destructive cyber incidents overseas and from exercises in North America
- This presentation will describe what it is and how it addresses risks faced by critical infrastructure owners and operators

Kaitlin Brennan, Manager of Cyber & Infrastructure Security
EDISON ELECTRIC INSTITUTE

2:10 PM

SESSION ONE: THE GROWING ACTIVITY OF STATE-SPONSORED THREAT ACTORS

- Determining the source and frequency of probing efforts to draw conclusions towards the intent and scale of future attacks
- Leveraging federally determined assets and penalizations against foreign agents to deliver a response to malfeasance
- Detailing the characteristics of Industroyer and other forms of malware used by state-sponsored hackers

Glen Chason, Senior Consultant of Industrial Control Systems
MANDIANT

3:25 PM

AFTERNOON REFRESHMENTS

3:55 PM

SESSION TWO: METRICS AND MEASUREMENT OF SECURITY SYSTEM QUALITY

- Noting the pitfalls associated with using budget or staff size to quantify security capabilities
- Utilizing peer comparing data to contrast response trends with similar security teams and help establish standards
- Designing security controls to be in compliance with policy, process or procedure

Andrew Bochman, Senior Cyber & Energy Security Strategist
IDAHO NATIONAL LABORATORY

Phyllis Lee, Senior Director of Controls
CENTER FOR INTERNET SECURITY

5:10 PM

CLOSE OF DAY ONE

CONFERENCE DAY TWO • THURSDAY, FEBRUARY 14, 2019

8:30 AM

REGISTRATION AND COFFEE

9:00 AM

CHAIRPERSON'S OPENING REMARKS

9:05 AM

CONFERENCE PRESENTATION: ISOC IMPLEMENTATION AND METHODOLOGY

- Coordinating surveillance perspectives to eliminate blind spots and create a more comprehensive infrastructure
- Employing threat indicators and intelligence-driven defense to improve overall response times
- Constructing an information silo to monitor systems in real-time, establishing a new norm for leveraging data analytics

Ralph King, Cyber Security Program Manager
ELECTRIC POWER RESEARCH INSTITUTE

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9:50 AM

CONFERENCE PRESENTATION: ADDRESSING CYBERSECURITY RISK IN YOUR SUPPLY CHAIN

- Minimizing risks by engaging and sharing information with trusted vendors and outside entities
- Carefully monitoring connections between critical machines and outside networks
- Educating users on identifying threat vectors and taking protective measures to play their part in keeping the company secure

Brian Gatus, Principal Manager of Indirect Procurement
SOUTHERN CALIFORNIA EDISON

10:35 AM

MORNING REFRESHMENTS

11:05 AM

OPEN DISCUSSION: THREAT VECTOR ANALYSIS AND SECURITY DILIGENCE

- Being mindful of the broader access to systems resulting from increasing connectivity associated with IoT devices
- Keeping track of new vulnerabilities to your ICS that result from new additions or integration
- Promoting greater security requirements for the exchange and collection of sensitive data by being conscious of network paths created by new customers

Reid Fudge, CISO/Enterprise Risk Management
TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

11:50 PM

CONFERENCE PRESENTATION: CYBER SECURITY RESEARCH FOR CRITICAL INFRASTRUCTURE

- Protecting the nuclear sector's industrial systems through advancements developed at the National Innovation Center for Cyber Security
- Researching cyber security weaknesses in supply chain, asset qualification CS operation centers and SCADA systems
- Developing an anomaly detection system for ICS environments

Dave Trask, Information & Control Systems Principal Engineer
CANADIAN NUCLEAR LABORATORIES

12:35 PM

LUNCH

1:35 PM

CONFERENCE PRESENTATION: BUILDING TEAM CONFIDENCE AND RESPONSE EFFECTIVENESS THROUGH CONDUCTING AND DEVELOPING DRILLS

- Tailoring exercises to keep up-to-date with known agent capabilities, such as their ability to "throw switches"
- Raising drill effectiveness by periodic tweaking of scenarios to promote creative problem solving and malleability
- Composing situations reflective of blackstart to prepare teams for catastrophic circumstances

Andrew Bochman, Senior Cyber & Energy Security Strategist
IDAHO NATIONAL LABORATORY

2:20 PM

CONFERENCE PRESENTATION: STEPS TO ACHIEVE A TOTAL INTEGRATION OF IT/OT SYSTEMS

- Augmenting OT protection from anomalies by achieving real-time visibility through convergence
- Bridging the knowledge gap between IT and OT through senior leadership and collaborative culture
- Curtailing monitoring complexities by reducing the amount of devices being watched at any given time through IT implementation

Todd Ponto, Chief Technology Officer
AESI

3:05 PM

CHAIRPERSON'S CLOSING REMARKS

3:15 PM

END OF CONFERENCE AND AFTERNOON REFRESHMENTS

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REGISTRATION IS SIMPLE

If you would like to register for this event or wish to find out more information, you can contact **Cheryl Williams** using any of the following methods:

Phone: +44 203 141 0623

Email: cwilliams@acieu.net

Website: <http://www.acius.net>

Mail: ACI Europe, 10 Gough Square, London, EC4A 3DE, UK

DELEGATE PASS (Solution Providers)	\$2,500.00*
DELEGATE PASS (End Users, Consultants, Companies)	\$1,995.00*
DELEGATE PASS (Government, Academic, Non-Profit)	\$1,595.00*
DOCUMENTATION PACK ONLY	\$615.00

*excludes VAT

Delegate passes include all presentations plus pre-conference workshops, networking receptions, food and drink, any potential supplementary event such as a tour, and the documentation pack.

Documentation packs include all conference proceedings including PowerPoint presentations, program agenda, detailed attendee list, sponsor/exhibitor literature and collateral materials, any other premiums or information distributed at conference.

Please Note: Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information, please call Cheryl Williams at +44 203 141 0623.

DOCUMENTATION PACKAGE

You can purchase the papers for this conference at just \$615. Simply check the box on the booking form, sent it with payment and your copy will be on its way to you after the meeting.

This important manual will be a source of invaluable reference for the future.

TERMS AND CONDITIONS:

Payment: Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call Cheryl Williams at +44 203 141 0623 for more information.

Cancellations: Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than three weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than three weeks prior to the start of the event shall be deemed a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancels or postpones the event, ACI Europe Ltd reserves the right to transfer booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation: The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

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Garett Williams, Senior Conference Producer, thanks contributing professionals for their insights, recommendations, and participation.