ENERGYSEC*CONNECTED*

News From the EnergySec Community

President'sReport

Building Security Skills in the Sector
Security Education Week Debuts

If you haven't already seen the details on our upcoming education event in Austin, you will want to take a look. Top-notch instructors delivering deep technical education, facility tours, and evening networking events highlight the agenda.

We've been hearing lots of talk about the security workforce challenges in general and in our industry in particular. And we're doing something about it. As part of our workforce development program, we've put together "Security Education Week", a unique event hosted at LCRA facilities in Austin, TX. The purpose of this event is to build the security skills of early-to-mid-career security staff at electric utilities and to lay the foundation for what will become a more formal apprenticeship-style program.

You can learn more about our Austin event by visiting: security-education-week.energysec.org.

Although there are many reasons to be encouraged about the future security workforce, we cannot rely exclusively on the work of others to fill the need. This is why EnergySec is building a focused program to recruit, identify, prepare, and place security professionals within industry to ensure seamless integration and professional growth once they join our our sector,

There are many ways to participate with and support this program for both individuals and organizations. For utilities, we offer three levels of engagement and benefits, beginning with items available to our organizational members, and two additional levels of benefit for organizations that support or partner with us financially in this effort. Learn more at www.energysec.org/workforce-development.

Continue reading this newsletter for more highlights on our activities in the workforce arena.

As always, we love to hear from our community about the work we are doing. Drop us a note anytime at info@energysec.org.

-SHP

Summit Call for Speakers is Open for Submissions

Share Your Expertise

EnergySec is looking for knowledgeable people who can passionately and effectively share their subject matter expertise, real life experiences, solutions, and concerns with attendees of our 13th Annual Security and Compliance Summit, August 14-16, 2017 at the Disneyland Hotel in Anaheim, CA.

We are seeking up to 50 speakers, panelists, and moderators to fill up to 20 hours of educational and information sharing time across three days. Opportunities exist for plenary session **panels** and **presentations** on days 2 and 3, plus **"Birds of a Feather" breakout sessions** on day 1.

Speaking opportunities exist in three general categories as listed below:

Panel Discussions (Day 2/3)

A moderator and 3-4 panelists will examine and discuss an issue related to security or compliance in the energy sector. Panel topics will be determined as part of this Call for Speakers. Submitters may propose a complete panel package (topic, moderator, and panelists), a panel topic only, or simply request placement on an appropriate panel based on their background and experience.

Possible panel topics include:

- What if the Ukraine attacks happened to a utility in North America?

- Regulating good security: One part of the bigger picture or a lost cause?

- Tricks of the trade: Performing Vulnerability Assessments in an ICS environment

- Emerging Threats: Where will the next attack come from?

- Emerging Risks: Where are the next vulnerabilities located?

- Emerging Defense: What's next in cyber defense?

- ICS Security in 2025 and beyond

- Security Operations: What should front-line security staff be doing today?

- Security Leadership: What's new in security strategy?

- Threat Intelligence: Unicorn or Pony?

- NERC CIP in 2025: Prescriptive, Descriptive, Or…?

Plenary Session Presentations (Day 2/3)

We have several 30-minute speaking opportunities available for presentations related to security or compliance in the energy sector. We welcome submittals from any interested party, but note that presentations designed primarily to promote a company's services, capabilities, or products will not be approved via the Call for Speakers. However, a limited number of sponsored speaking slots are available.

We are open to a broad range of topics, but are particularly interested in the following areas:

- Security in the boardroom.

- People Problems: How to reduce the risk human error

- Security workforce challenges and solutions

- New technologies and techniques for cybersecurity offense or defense

- What Works? Case studies on security and compliance

- Lessons Learned: What NOT to do and why

- Working Together: Case studies on collaboration within industry and government

Birds of a Feather Presentations (Day 1)

Birds of a Feather (BoF) sessions are intended for staff and leadership from energy sector asset-owning organizations to meet with their peers and exchange ideas, discuss issues, and identify solutions. Attendance is restricted to vetted individuals in

appropriate roles at qualifying organizations. Qualifying organizations include electric and gas utilities, power generators, RTOs, ISOs, pipeline operators, energy exploration and production companies, and similar organizations in North America.

BoF presentations will generally be restricted to individuals meeting the qualifying criteria for attendance at the BoF at which they propose to speak. Presentation times may range from 15 to 60 minutes. The audience will be no more than forty peers in the following areas:

Security Leadership
CIOs, CISOs, CSOs, Security Directors and Security Managers

Security Operations
Security staff working in operational areas that include responsibility for one or more of the following: security logging and monitoring, threat hunting, incident response and investigations, access management, patch management, malware analysis, and similar fields.

Compliance
Utility staff with responsibilities related to compliance with security standards, including NERC CIP, NEI-08-09, and other FERC and/or state requirements.

Physical Security
Utility staff and leadership responsible for physical security within their organizations.

Speaking proposals must be submitted online at the following URL: https://community.energysec.org/ls/index.php/614533/lang-en

Or visit our Call for Speakers page on the Summit website: summit.energysec.org/cfs

Below are a few key dates related to the Summit:
March 6th   - Awards Nominations open
April 17th   - Registration opens
May 22nd   - Draft agenda posted
July 6th   - Final agenda posted
July 21   - Hotel room block ends
Aug 14-16   - 13th Annual Summit

Orange County Intelligence Assessment Center - Intelligence and Near Incidents, Learning from What Didn't Happen

12th Annual Summit Presentation Review

by Brandon Workentin, EnergySec Staff

One of the more interesting sessions at the EnergySec Summit was a presentation by two analysts with the Orange County Intelligence Assessment Center (OCIAC), which is the local Fusion Center for California's Orange County. They talked about "near incidents," or those incidents which do not meet reporting thresholds but can still provide intelligence for defenders. They said that their goal is to gather and share threat information with their partners, and focused their talks on things that are "merely suspicious."

They said that describing what is "merely suspicious" is dependent on the organization and what their baseline is, using the example that depending on location, having three hundred people outside your walls may be normal or it may be abnormal. They shared several case studies. One case study involved a spearphishing email which, instead of just being sent to a spam folder, was shared with them and investigated, leading to the discovery that a known APT group was involved. Another case involved a fraudulent visa application which included a forged document saying that the foreign delegation was invited to attend a tour at a critical infrastructure facility.

They also discussed how individual organizations can apply the concept of sharing "near incidents." One idea they talked about was to have the cybersecurity and physical security departments have regular contact with each other or having the cybersecurity team have contact with the HR department, for information such as somebody is about to be fired.

They finished the presentation by encouraging people to meet their local Fusion Centers and develop those relationships which allow people to feel comfortable sharing information about those "near incidents."

Meet our Staff - Vicky Maloney

Event and Membership Coordinator

Vicky Maloney is responsible for event logistics for our live, instructor-led courses and events, as well as numerous other administrative tasks. She also plays a key role in organizing our annual security and compliance summit. Vicky also has the role of membership coordinator, ensuring that our membership program's processes are well executed.

Vicky has been married to husband, Sean, for 25 years. She has 3 boys, ages 16 -20, who are her pride and joy.

EnergySec at RSA Conference

Team Work to Accomplish our Goals

by Brandon Workentin

EnergySec had a team at RSA Conference (RSAC) in San Francisco earlier this month. There were fewer representatives from utilities at the conference this year, but we did see some old friends and make some new relationships with people working on critical infrastructure and control system security issues. Our goal in attending RSAC was to find potential partners who have products that can help our industry members. We know that many of our industry members have small security staffs and/or small budgets which preclude them from being able to attend something like RSAC. Yet, despite having small staffs, they still have real security needs, and one of EnergySec's goals is to work with both industry and commercial members to facilitate relationships and help make the electric sector more secure.

In our time in San Francisco, we were able to make contacts with vendors who have security products or solutions which can help with NERC CIP compliance or general security issues, and we are excited to be able to start sharing some of those products and helping industry members discover potential solutions for their security needs. Visit our Vendor Resource Center at vrc.energysec.org if you are interested in

learning more about what products might be available to help solve your security problems.

Welcome, New Members

We welcome the following organizations to the EnergySec Community

We are happy to welcome three new industry members that have recently joined EnergySec.

City of Denton Municipal

Denton Municipal Electric serves the residents of Denton, TX, which is considered one of the fastest growing cities in the nation.

Consumers Power Inc.

Consumers Power Inc. is a privately owned nonprofit rural electric cooperative serving 22,000 members in parts of six counties in Oregon: Benton, Lincoln, Lane, Linn, Polk, and Marion.

Tri-State Generation and Transmission

Tri-State G&T is a generation and transmission cooperative serving more than 40 member cooperatives in Colorado, Wyoming, New Mexico, and Nebraska.

We are also happy to welcome three new commercial members this month:

Certior,

3Sys Corp

Tigsus

Organizational membership provides many benefits in areas such as professional education, services, and workforce development. If you would like more information on specific benefits, please contact us for our latest Programs and Services book.

Full information on membership is available on our website, or email us at membership@energysec.org

WorkforceDevelopment

Speakers' Bureau - PDX
Rachel James Speaks at Center for Advanced Learning

EnergySec's Speakers' Bureau is operational with our first speaker of the year, Rachel James, discussing "Smart Cities" with a class of high school students at the Center for Advanced Learning in Gresham, OR. The purpose of our Speakers' Bureau is to coordinate cybersecurity professionals with speaking opportunities at middle schools or high schools. throughout the country.
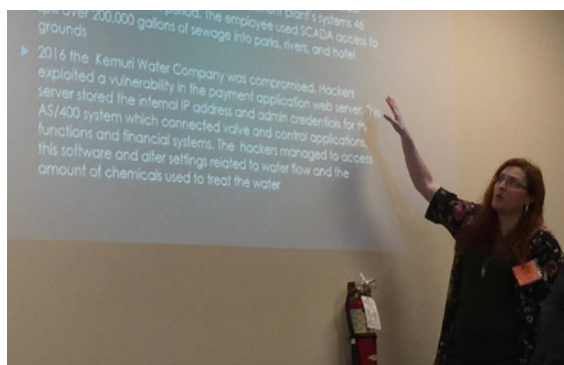
Rachel James discussing Smart Cities with students

Rachel James, CISSP, CISA, is an IT System Analyst/ Engineer, Security Engineering for the Oregon Health & Science University in Portland, OR with over 10 years of information security across the fields of energy, health, finance, and SCADA systems. She presented on "Smart Cities and Infrastructure Security." Rachel is one of those people who is great with students. She is very expressive and you can feel her excitement as she speaks about cybersecurity. She presents her material in any easy to understand format and is very knowledgeable about the many opportunities for cybersecurity professionals.

Throughout the presentation, Rachel was open to answering students' questions. At the end, she even took questions not directly related to her presentation but of concern to students such as job descriptions, working environments, availability of work in the Portland area, etc.

If you are interested in sharing your knowledge with local schools and colleges, please contact us at workforcedev@energysec.org.

Making a Difference
One Student's Success Story

A year ago, I received a call from a local high school counselor. She had a student who didn't seem interested in much other than computers and, as he was a Junior, she was concerned about giving him a direction for his future. She had heard about EnergySec from a friend who mentioned that we were engaged in developing a workforce program. She asked if I would meet with the young man to help determine his interests and to see if it lined up with anything we did.

I met with Cade in mid-March at the school counselors' office. We started with general information and casual conversation but it became obvious very quickly that he was what he called himself, "a cyber geek," and it was just as clear that the counselors had no clue what job opportunities his unique skill set could afford him.

This young man was the start of our outreach to high schools in the area. EnergySec was able to meet with a number of interested students at the high school and connect them with local resources for education. His counselor was amazed at the difference a few conversations could make in inspiring Cade to go forward with his education. Through the meetings at the schools and several local professionals, we became involved with PDX Cyber Camp and INTERRUPT, two high school programs that teach students basic cybersecurity skills.

Cade contacted me a couple of weeks ago. He is a Senior and looking at colleges. He has applied to enter a local cybersecurity program at a college near him. Cade is a success story as I see it. This is how you build a pipeline of cybersecurity professionals, make a difference in the life of one.

For more information on EnergySec's workforce programs, contact us at: energysec.org/workforce-development

Student Scholarships at the Summit

Bringing Students and Professionals Together

A new feature we're adding to our Summit this year is a scholarship program for college students interested in cybersecurity careers in our industry. The intent of this program is to develop a pipeline of well-qualified entry-level professionals that have been introduced to our industry and other professionals and organizations in our sector.

Students receiving scholarships will receive admission to the Summit, two nights lodging, meals, a Tuesday evening park pass, and attendance at a special Monday evening dinner with scholarship sponsor organizations. A resume book will be provided to our scholarship and workforce program sponsors.

ProfessionalEducation

Hawaii Educational Series Recap

Another EnergySec Educational Success Story

Waikiki Marriott Beach Resort, sunny skies, cyber-knowledgeable speakers, and cybersecurity-minded attendees led to a great event at our second annual Hawaii Education Series this month. We were especially pleased to be able to meet and discuss cyber opportunities with the next generation of cyber workers.

Steve Parker with a few of our Student Participants

The event opened with Patrick Miller, President Emeritus of EnergySec, addressing the attendees on "Tackling Tomorrow's Cybersecurity Challenges." Jeff Foley, Business Development Manager at Siemens followed with "Utilizing Defense in Depth to Secure Industrial Control Networks." Both sessions were followed by extensive discussion on these topics with those in attendance.

Day two opened with Steve Parker, EnergySec President, discussing "Cyber Risk is Business Risk: Alternative View of Security Vulnerabilities." This session was followed by an open discussion during which attendees shared various "war stories" applicable to the topic.

Leonard Chamberlain discussing the new NIST Guidelines on Information Sharing

In the afternoon, Leonard Chamberlain III, Senior Security Consultant at Archer Security Group, had an in-depth discourse on "Let's Explore: NIST SP800-150 – Guide to Cyber Threat Information Sharing." In this highly interactive working session, Mr. Leonard Chamberlin guided the attendees in a discussion about Information Sharing of Cyber Threats using the NIST SP 800-150 draft document as a base for conversation.

A big thank you to all our attendees, speakers, sponsors, and "behind-the-scenes" people who made this event such as success.

Professional Education Staff Profile - Steve Parker, EnergySec President

The Driving Force of EnergySec

Hard working, intelligent, and motivated, Steven Parker, CISA, CISSP, leads EnergySec with those same distinguishing qualities. As part of the grassroots effort, he was instrumental in the formation of EnergySec more than a decade ago. The roots go deep and EnergySec, under Steve's leadership, is experiencing continued growth in membership and professional education throughout the United States and Canada.

Steve has been engaged in critical infrastructure protection within the energy sector for almost two decades, including eight years as a senior security staff member at PacifiCorp. Steve was part of the original audit team that established the NERC CIP audit program at the Western Electricity Coordinating Council (WECC). He has contributed to a broad range of security projects covering areas such as e-commerce, identity management, intrusion detection, forensics, and security event monitoring. In addition to his work as the president of EnergySec, Steve does consulting work with Archer Security Group, where he is a managing partner.

Steve grew up in Connecticut where he met his wife, Mary. They have been married 28 years and have 4 children, ranging in age from 15-23. They now reside in rural Clackamas County, just outside Portland, where they operate a small farm with chickens, goats, llamas, ducks, peacocks, and a horse.

Security Education Week - Registration is Open

A "Don't Miss" Educational Opportunity in Austin, TX

We have recently announced a unique new event planned for this May. Dubbed simply, "Security Education Week," this event is designed to build the technical security skills and industry knowledge of early-to-mid-career cybersecurity professionals working at electric utilities in North America.

The event will be held May 15-19 in Austin, TX, at the facilities of Lower Colorado River Authority (LCRA). The agenda will feature 1/2 day deep learning sessions on utility-relevant technical topics, as well as shorter breakout sessions in specific areas. We are also planning special evening activities to facilitate networking and relationship building within the industry, including a guided float down the Colorado River on Tuesday evening.

Full details and registration for this event is available at security-education-week.energysec.org.

Reaching out - EnergySec in Canada

Bring our programs north of the border

We're happy to be offering our first event in Canada this March. EnergySec is offering our popular NERC CIP Bootcamp in Calgary on March 14-16. Although many Canadian provinces have lagged behind the U.S. in adoption of the CIP standards, most are now well underway in their implementation and we expect strong interest in our education courses.

InformationSharing andAnalysis

RSA 2017

What I Saw, What I Learned

by Andrew Zambrano, EnergySec

This was my first year attending the RSA conference. With hundreds of vendors, thousands of people, and downtown San Francisco as the backdrop, frankly, I expected a mess. Although it was very crowded, I was surprised at how efficient the whole operation was run.

The RSA Multiverse

RSA had everything, from a super bike giveaway, a late afternoon beer crawl, a 19 row foosball table, and the ComicCon-esque after parties. Exhibitor spaces did not disappoint either. From basic table setups, to moving human art, to professional magicians the

name of the game was grab your attention and keep it for our pitch, feeling at times like a "step right up" carnival.

Some pitches were better than others, and the same goes for their products and services. It was interesting to see the different personalities and sales techniques. For me, the most effective techniques were the ones that kept me entertained or fed while they were showcasing their solutions. With hundreds of vendors, you are likely to find a some sort of solution for your security or IT needs. If you have a security need and a good pair of sneakers, I highly suggest you attend RSA next year.

EnergySec at RSA

Part of EnergySec's mission is to bring the electric sector needs to the forefront and help vendors find applicability with NERC CIP. Many security companies already have products that could integrate well, but they just haven't spent enough time learning how to apply their solutions to the CIP standards.

How can I participate?

EnergySec's mission is to provide support to both our utility members and our vendor members in their efforts to improve the security of our electric grid.

For Electric Utilities:

With which standard are you struggling in compliance? What gap in your security keeps your SOC team up at night? There is a solution for it! We are asking for our utility members and friends to provide their anonymous feedback to provide benefit to the whole industry.

We want to know your opinion on the quality and perceived usage of security products in the energy market. Specifically, we are interested in conducting non-attributable surveys to get your opinion on which products you see used nationally and what your security needs are as it relates to compliance and security in general. As an ISAO, EnergySec's goal is to provide a safe place to discuss indicators and vulnerabilities. We have a variety of other ways to contribute to the industry from educational events to workforce development. If you are interested in

helping us advance the the security culture in the electric sector, please email us at info@energysec.org.

For Security Vendors:

Do your products serve the energy industry, particularly the electric sector? Like every other critical infrastructure, the electric sector has its own set of standards to meet. Security teams across the nation need your help to secure their portion of the grid. We believe many vendors do have a place in this sector, and we would like to help you understand how your product fits.

Part of introducing you to this industry is getting your name out there. We like to do this by:

- Hosting partnered webinars, either educational or your solutions.

- Offering speaking and marketing opportunities at our Annual Security Summit

- Inviting you to teach at one of our free educational events designed for entry level professionals.

- Providing your company a spotlight in one of our newsletters that reach over 1,500 decision makers in the industry.

We are developing our own Vendor Resource Center to identify and showcase security products and services relevant to our sector. If your organization is interested in growing or expanding to the electric utility market, please email us at vrc@energysec.org.