



TUESDAY, AUGUST 27, 2019

7:45 – 8:35 a.m.	CHECK-IN **All times correspond to local time**			
8:35 – 8:45 a.m.	Meeting Welcome and Opening Remarks Janine Sheppard, ICSJWG Lead, CISA			
8:45 – 9:45 a.m.	KEYNOTE ADDRESS			
	Unifying Control System Efforts Across Government Richard Driggers, Deputy Assistant Director, CISA, Cybersecurity Division			
9:45 – 10:05 a.m.	BREAK			
10:05 – 10:50 a.m.	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP ICSJWG ONE DAY BOOTCAMP
	Putting the Gold Standard Aside Lyndon Hall, Iron Spear Cyber Security	Identifying and Responding to Maritime ICS Incidents Scott Dickerson, CISO	Trusted ICS Computing Across Untrusted Network Environments Iliia Lebedev, Gradient Technologies	Becoming an ICS Cyber Analyst CISA ICS Analysts
11:00 – 11:45 a.m.	MAIN	BREAKOUT 1	BREAKOUT 2	Becoming an ICS Cyber Analyst CISA ICS Analysts
	Vulnerability Disclosure Issues and You Monta Elkins, FoxGuard Solutions	Simulating ICS at Large Scale Cyber Defence Exercises Raimo Peterson, NATO Cooperative Cyber Defence Centre of Excellence	ICS Advisories: The Siemens Way Marcel Kulicke, Siemens	
11:45 a.m. – 12:45 p.m.	LUNCH			
12:45 – 1:45 p.m.	ACTIVITY			
	Tools and Capabilities - A Brainstorming Session Jonathan Homer, CISA			
1:45 – 2:30 p.m.	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP ICSJWG ONE DAY BOOTCAMP
	Enhancing Building Control Systems Cybersecurity Andre Ristaino, ISA Global Cybersecurity Alliance	Three Networks, Different Risks – IT, OT, and Engineering Andrew Ginter, Waterfall Security Solutions	Best Practices in Enhancing Cybersecurity of Safety Instrumented Systems (SIS) for Process Industry Ashit Dalal, TUV SUD	Becoming an ICS Cyber Analyst CISA ICS Analysts

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	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP ICSJWG ONE DAY BOOTCAMP
2:40 – 3:25 p.m.	Cybersecurity and Resilience on a Small Scale Dr. Art Conklin, University of Houston	How Low Can You Go? Establishing Real-Time Protection for Level 0 and 1 Critical Assets Mark Baggett, Mission Secure	Threat Based Security Approach for ICS Systems Dr. Vijay Ahuja & Devesh Ahuja, Cipher Solutions	Becoming an ICS Cyber Analyst CISA ICS Analysts
3:25 – 3:45 p.m.	BREAK			
	PLENARY			
3:45 – 4:30 p.m.	A Unified Strategic Initiative for Protecting ICS – Fall Update Elke Sobieraj & Jonathan Homer, CISA			
4:30 – 4:40 p.m.	HOUSEKEEPING REMARKS—NETWORKING, EXPO, AND WORKSHOP OPEN UNTIL 5:30 P.M.			
	ACTIVITY			
4:40 – 5:40 p.m.	Capture the Flag Activity Kickoff – All are invited to play. Jonathan Homer, CISA			

NOTES



WEDNESDAY, AUGUST 28, 2019

7:45 – 8:30 a.m.	CHECK-IN **All times correspond to local time**			
8:30 – 8:35 a.m.	Daily Opening Remarks Janine Sheppard, ICSJWG Lead, CISA			
8:35 – 9:20 a.m.	PANEL ISA Global Cybersecurity Alliance (ISA GCA) Andre Ristaino & ISA Members, ISA			
9:30 – 10:15 a.m.	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP BEGINNER
	Breaching the IT/OT Boundary – Wedge Points and How to Secure Them Connor Leach & Jackson Evans-Davies, Honeywell	Protecting Controlled Unclassified Information Michael Chipley, The PMC Group	Securing DDS-Based Systems Paul Pazandak, Jason Upchurch, & David Seltz, Real-Time Innovations	Open Source IR Tool Kit Tanmay Bhagwat, CISA
10:15 – 10:35 a.m.	BREAK			
10:35 – 11:20 a.m.	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP ADVANCED
	Deceiving the Deceivers...Using Deception to Protect Your Network Geoff Hancock, Advanced Cybersecurity Group	Securing Remote Access into ICS Networks with Open Source 2-Factor Authentication Daniel Paillet, Schneider Electric	Not One IoTA: Establishing an Internet of Things Assessment Framework Judy Smith, Business Operation System Security	Low-Level Forensics Ian Stewart, CISA
11:30 – 12:15 p.m.	MAIN	BREAKOUT 1	BREAKOUT 2	TECHNICAL WORKSHOP INTERMEDIATE
	Understanding the True Nature of Cross-Sector Pipeline Cyber Threats Ronald Keen, CISA	No Session Scheduled	NAVFAC FRCS Standardization Susan Howard, Jacobs Engineering	ICS Communication Analytics Tanmay Bhagwat, CISA
12:15 – 1:15 p.m.	LUNCH			
1:15 – 2:15 p.m.	ACTIVITY			
	Integrating Private Industry Inputs into Government Decisions – A Brainstorming Session Elke Sobieraj, CISA			

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THURSDAY, AUGUST 29, 2019

7:45 – 8:30 a.m.	CHECK-IN **All times correspond to local time**		
8:30 – 8:35 a.m.	Daily Opening Remarks Janine Sheppard, ICSJWG Lead, CISA		
8:35 – 9:20 a.m.	KEYNOTE ADDRESS		
	Integrity Attacks in ICS Environments Joe Slowik, Dragos		
9:30 – 10:15 a.m.	MAIN	BREAKOUT 1	TECHNICAL WORKSHOP
	ICS Cyber Threat Landscape: CISA's Hands-On Experience and Insights Kyle McCready, CISA	Risk Report: Measuring the Vulnerabilities and Threats to ICS and IIoT Jeff Gaffny, CyberX	INTERMEDIATE OT/ICS Communication Protocols Part 1: Overview of Major Protocols Jonathan Homer, CISA
10:15 – 10:35 a.m.	BREAK		
10:35 – 11:20 a.m.	MAIN	BREAKOUT 1	TECHNICAL WORKSHOP
	Closing the Loop: Network Visibility as the Driver for Security Orchestration and Automated Response Jack Hamm, Gigamon	When Passive/Active Network Detection Users Need Action Ron Brash, Verve Industrial Protection	INTERMEDIATE OT/ICS Communication Protocols Part 2: Creating and Using Zeek Parsers Jonathan Homer, CISA
11:30 – 12:15 p.m.	MAIN	BREAKOUT 1	TECHNICAL WORKSHOP
	Experiential Learning and Cybersecurity Balakrishna Subramoney, Sam Analytic Solutions	How to Overflow a Bug Bounty's Buffers with SCADA & HMI Vulnerabilities Michael DePlante, Trend Micro Zero Day Initiative	BIRDS OF A FEATHER Data Gathering Techniques and Tools Ian Stewart, CISA
12:15 – 1:15 p.m.	LUNCH		
1:15 – 2:15 p.m.	ACTIVITY		
	Emerging Threats and Challenges – A Brainstorming Session Jonathan Homer, CISA		

