TUESDAY, APRIL 10, 2018

Time			
7:45–8:35 a.m.	**CHECK-IN** **All times correspond to local time**		
8:35–9:00 a.m.	**Meeting Welcome and Opening Remarks** Eric Fildebrandt, NCCIC, Chief, Technical Analysis Branch U.S. Department of Homeland Security		
9:00–10:00 a.m.	**KEYNOTE ADDRESS** **Easiest Catch: Don't Be Another Fish in the Dark 'Net** Mark Lanterman, Computer Forensics Services		
10:00–10:20 a.m.	**BREAK**		
10:20–11:05 a.m.	**NCCIC Structure After Reorganization** Neil Hershfield, NCCIC, Director, Organizational Studies and Analysis		
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**
11:10–11:55 a.m.	**Industrial Controllers: The Key to Prevent Process Impacts caused by Cyber-Attacks or Operational Mishaps** Richard Wyman, CS 7 Consulting	**ICS Malware Trends** Kyle McCready, INL David Hudson, INL	★ **Control Systems and Government Leased Facilities: A No Man's Land** Michael Schroeder, 3 Territory Solutions Ken Kurz, Corporate Office Properties Trust
11:55–1:55 p.m.	**LUNCH**		
12:55–1:55 p.m.	**NETWORKING AND VENDOR EXPO**		
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**
1:55–2:40 p.m.	**Prioritizing Solutions: Balancing Protective, Detective, and Corrective Controls Within ICS Environments** Edward Turkaly, Baker Hughes	**Takeaways from DHS HIRT On-Site Engagements: Active Defense and Hunting** Drew Batten, NCCIC, HIRT	**Low Cost Monitoring for Industrial Controls** DC Grant, University of Washington
	MAIN	**BREAKOUT 1**	**BREAKOUT 2** **LIGHTNING ROUNDS**
2:45–3:30 p.m.	**ICS Implications of Recent APT Campaign Targeting Energy Sector Assets** Jonathan Homer, NCCIC, HIRT Jonathan Briney, NCCIC, HIRT	**Developing an Innovative ICS Security Program and Real-Time OT Monitoring Capability** Greg Villano, Diamond Offshore Industrial Automation and Control Katherine Brocklehurst, Claroty	**Securing the Most Critical Link in Security Chain** Lucas Truax, Concurrent Technologies Corporation **Is there a Role for Verified SW in ICS?** James Graham, True Secure SCADA **Firmware Forensics Tool Development LDRD** Ray Fox, Idaho National Laboratory
3:30–3:50 p.m.	**BREAK**		
3:50–4:35 p.m.	**PANEL** ★ **Recent DoD Developments in ICS Cybersecurity** Dr. Bill Waugaman, Sandia National Laboratories Ross Roley, Battelle Memorial Institute Dr. Paul Losiewicz, Cybersecurity and Information Systems Information Analysis Center		
4:35–5:30 p.m.	**HOUSEKEEPING REMARKS—NETWORKING, EXPO, AND WORKSHOP OPEN UNTIL 5:30 P.M.**		

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WEDNESDAY, APRIL 11, 2018

Time	MAIN	BREAKOUT 1	BREAKOUT 2
7:45–8:30 a.m.	**CHECK-IN** **All times correspond to local time**		
8:30–8:35 a.m.	**Daily Opening Remarks** Jeff Gray, NCCIC, Deputy Chief, Control Systems Training Section		
8:35–9:20 a.m.	**MAIN** **Modeling Adversary Behavior Against ICS Systems** Marie Collins, MITRE Otis Alexander, MITRE Chris Harvey, MITRE	**BREAKOUT 1** **Lessons Learned Integrating Security Software into ICS Systems** David Foose, Emerson	**BREAKOUT 2** **DEMONSTRATION** **Live Demonstration of the CRASHOVERRIDE Malware and Potential Mitigations** Jordan Henry, Sandia
9:25–10:10 a.m.	**MAIN** **Building a Unified SOC for the ICS Village** Corey Thuen, Gravwell	**BREAKOUT 1** ★ **Hatman/Triton: Working without Safety Nets** Ian Stewart, INL Paul Forney, Schneider Electric	**BREAKOUT 2** ★ **News from Industrial Cyber Security Center of Excellence (ICSCoE), IPA, Japan** Kioshi Nakazawa, JETRO/IPA NY
10:10–10:30 a.m.	**BREAK**		
10:30–11:15 a.m.	**MAIN** **Nuclear Energy Systems: Exploratory Cybersecurity R&D** Dr. Steve Hartenstein, INL Dr. Hany Abdel-Khalik, Purdue Dr. Peter Hawrylak, University of Tulsa Dr. Athi Varuttamaseni, Brookhaven	**BREAKOUT 1** **Critical Infrastructure: In the Crosshairs of Cyber Terrorists** Charly Shugg, Sylint Group	**BREAKOUT 2** **METI's Cyber Security Policy Efforts Towards Tokyo 2020** Ayaji Furukawa, METI
11:20-12:05 p.m.	**MAIN** **The Hole in ICS Cyber Security: Level 0,1 Devices** Joe Weiss, Applied Control Solutions	**BREAKOUT 1** **2017 ICS Cybersecurity: A Year in Review** Matt Cowell, Dragos Joe Slowik, Dragos	**BREAKOUT 2** **IT Malware Risks to OT Networks: A Case Study of Cryptomining on a Utility Network** TJ Roe, Radiflow
12:05–2:05 p.m.	**LUNCH**		
1:05–2:05 p.m.	**NETWORKING AND VENDOR EXPO**		
2:05–2:50 p.m.	**MAIN** **Active and Passive ICS Analysis** Sarah Hostetler, Sandia Jennifer Trasti, Sandia	**BREAKOUT 1** **ICS Cyber Security in 2023** Lior Frenkel, Waterfall Security Solutions	**BREAKOUT 2** **3 Fundamentals Will Shape Future Security Programs and Decisions** Rick Kaun, Verve Industrial Protection
2:50–3:10 p.m.	**BREAK**		
3:10–3:55 p.m.	**PANEL** **The Convergence of IT and OT Assessments Under the NCCIC** Donald Benack, NCCIC, Deputy Director, NCATS Robert Aikey, NCCIC, Program Lead of Operational Resilience, NCATS David Link, NCCIC, Program Lead of Risk Evaluation, NCATS		
3:55–5:30 p.m.	**HOUSEKEEPING REMARKS—NETWORKING, EXPO AND WORKSHOP OPEN UNTIL 5:30 P.M.**		

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THURSDAY, APRIL 12, 2018

7:45–8:30 a.m.	**CHECK-IN** **All times correspond to local time**

8:30–8:35 a.m.	**Daily Opening Remarks** Jeff Gray, NCCIC, Deputy Chief, Control Systems Training Section

	MAIN	BREAKOUT 1	BREAKOUT 2
8:35–9:20 a.m.	★ **Advanced USB Attacks That Keep You Awake at Night— and How to Stop Them** Seth Carpenter, Honeywell Industrial Cyber Security	**When Checksums Collide: Weaknesses in PLC Program Versioning** Dr. David Formby, Fortiphyd Logic and Georgia Institute of Technology	**Vulnerability Assessments in ICS Environments: Lessons Learned and Wish List of Improvements** Daniel Kapellmann Zafra, FireEye
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**
9:25–10:10 a.m.	**Variable Speed Simulation for Accelerated Industrial Control System Cyber Training** Stephen Dunlap, AFIT Dr. Barry Mullins, AFIT	**Hack Your Robot** Dewan Chowdhury, MalCrawler	**Why It's Important to Have a Measurable Cybersecurity Criteria in Critical Infrastructure** Radhika Chaturvedi, UL Max Wandera, Eaton

10:10–10:30 a.m.	**BREAK**

	MAIN	BREAKOUT 1	BREAKOUT 2
10:30–11:15 a.m.	**Scanless Vulnerability Monitoring for ICS Environments** Greg Valentine, Leidos Cyber	★ **The Convergence of Cybersecurity and Process Safety** Larry O'Brien, ARC Advisory Group	**TAKING OWNERSHIP: Tips and Techniques in securing our Legacy Systems** Derek Duchein, Defense Acquisition University
	MAIN	**BREAKOUT 1**	**BREAKOUT 2** **DEMONSTRATION**
11:20 a.m. –12:05 p.m.	**Building a Secure Foundation for Converged IT/OT Systems** Ted Gary, Tenable	**Penetration Testing Methodologies for ICS/SCADA Environments** Zach Harding, RiskSense Ben Mixon Baca, RiskSense	**Analyzing Your Attack Surface with AHA** Adam Hahn, Washington State University Harry Paul, OSIsoft

12:05–2:05 p.m.	**LUNCH AND NETWORKING**

2:05–3:05 p.m.	**Ask Me Anything** **Jeff Gray (Moderator)**	U.S. Department of Homeland Security	NCCIC, Deputy Chief, Control Systems Training Section **Eric Fildebrandt**	U.S. Department of Homeland Security	NCCIC, Chief, Technical Analysis Branch **Sean Docken**	U.S. Department of Homeland Security	ICS Section Chief, Technical Analysis Branch **Don Benack**	U.S. Department of Homeland Security	Deputy Chief, National Cybersecurity Assessments and Technical Services Branch (NCATS) **Jay Angus**	U.S. Department of Homeland Security	NCCIC, ICS Vulnerability Management and Coordination **Drew Batten**	U.S. Department of Homeland Security	ICS HIRT Analyst

3:05–5:00 p.m.	**HOUSEKEEPING REMARKS—CLOSE OF MEETING**

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