

CYPHER Integrated Project Team (IPT) Meetings 2026

June 15–18, 2026

Open Sessions Location: University of Rhode Island, Kingston

CUI Sessions Location: Arcfield, Middletown

Program Arc: Mon (CUI) —Framing of the cyber Naval challenges and priorities → Tue — Why it matters: commercial & Navy perspectives → Wed — Technical depth, student research, and hands-on exercises → Thu (CUI) — Synthesis of Open Session topics to Naval challenges and priorities to generate a coordinated path forward

Monday, June 15 — CUI Session I | Setting the Stage for the CUI Perspectives During the Open Sessions

Location: Arcfield (formerly Rite-Solutions), Middletown

Program Logic: Day 1 is CUI. The objective is to set a common baseline of naval challenges and priorities for consideration by CUI attendees during the upcoming open sessions. The CUI sessions frame the week's theme: what the adversary sees that we sometimes don't.

Time	Session	Objective / Rationale
12:30 – 1:30 pm	Arrival and Check-In	
1:30 – 1:45 pm	Kickoff: <ul style="list-style-type: none">- Agenda Overview- Day 1 Objectives- a) Prepare for Open Session- b) Share Naval challenges across shipyard and shipboard domains- c) Prep thought process for Open session transition to CUI session	Sets the CUI cyber challenges and priorities baseline. Orients CUI attendees to adversary priorities targeting Shipyard 4.0 and Shipboard CPS environments. Provides the 'what we know' framing that the open sessions will address from a solutions standpoint.
1:45 – 2:45 pm	CUI Session A Naval Shipyard Cyber Challenges and Solutions	Cross-shipyard view of shared OT vulnerabilities — industrial control systems, supply chain exposure, workforce cyber hygiene. Surfaces consensus priorities for CUI breakouts. Identify gaps that open-session research and demos may address.
— Break — Coffee, Networking, Stretch —		
3:00 – 4:00 pm	CUI Session B Naval Shipboard CPS Cyber Challenges and Solutions	Cross-shipboard CPS view of shared OT vulnerabilities — industrial control systems, supply chain exposure, workforce cyber hygiene. Surfaces consensus priorities for CUI breakouts. Identify gaps that open-session research and demos may address.
4:00 – 4:15 pm	Closing and Adjourn	Summarize and prioritize cyber challenges and vulnerabilities for Shipyard 4.0 and Shipboard CPSs. Focus CUI attendees to consider Open Session topics / solutions for applicability to Naval applications for discussion on Thursday CUI session.
Evening (Optional)	Informal Networking	

Tuesday, June 16 — Open Session, Day 1 | Why It Matters: From Shipyard to Fleet

Location: University of Rhode Island, Kingston

Program Logic: Day 2 opens to a broader audience. The arc moves from 'why OT cybersecurity is urgent' (keynote) → 'what the commercial and Navy worlds face in practice' (Panel A) → 'here's how Shipyard 4.0 connects to this' (breakouts and Mini Tutorial A) → 'and here are the tools beginning to help us' (Mini Tutorial B). The working dinner keynote draws threads together and previews Day 3.

Time	Session	Objective / Rationale
8:00 – 9:15 am	Check-in & Breakfast	Arrival and networking. Themed table cards with discussion prompts related to OT cybersecurity roles — encourages cross-sector conversations before the first session.
9:15 – 10:00 am	Opening Keynote: Security and Resilience for Power and Energy Systems	Establishes shared vocabulary and urgency for mixed audience (academia, industry, government).
— Break — Coffee, Networking, Stretch —		
10:30 am – 12:00 pm	Panel A: Commercial Shipbuilding Perspectives — Benefits, Vulnerabilities, and Solutions in Shipyard 4.0	Grounds the keynote's framing in real-world shipyard experience. Panelists share specific examples of digitization benefits alongside security incidents or near-misses. Audience takeaway: this is happening now, not hypothetically.
12:00 – 1:30 pm	Lunch	
1:30 – 3:00 pm	Breakout A: Identifying Shared Vulnerabilities Across Shipyard 4.0 Systems Breakout B: What Good Looks Like — Case Studies in OT Cybersecurity, and AI/ML for Power and Energy Systems	Participants map common attack surfaces discussed in Panel A to their own sector or role. Produces a shared vulnerability taxonomy to reference in Mini Tutorials and Day 3. Interactive review of 3–4 real or anonymized case studies showing measurable security improvements. Participants identify transferable approaches. Feeds into Wednesday's research depth talks.
— Break — Coffee, Networking, Stretch —		
3:15 – 4:30 pm	Mini Tutorial A: Industry 4.0 / Shipyard 4.0 — From Shop Floor to Cyber Surface Mini Tutorial B: AI-supported tabletop exercise exploring vulnerabilities and defense strategies.	Presenter: Stephen Eacuella "It Starts on the Shop Floor" Digital Twin and connected-equipment concepts applied to shipyard environments. Exercises initiated on Day 1 will continue on Day 2, with a summary of outcomes and best practices.
5:30 – 7:30 pm	Working Dinner: Day 1 Synthesis and Preview of Day 2	Report out of breakout sessions.

Wednesday, June 17 — Technical Sessions + Demos | Going Deeper: Research, Tools, and Hands-On Practice

Location: University of Rhode Island, Kingston

Program Logic: Day 3 shifts from landscape to depth. Morning Panel B goes technical on a specific cybersecurity domain. Research talks and student demos show the state of the art. The Mini Tutorials build directly on each other: Tutorial A (system modeling) → Tutorial B (Red/Blue team exercise using those models). The optional afternoon collaboration session converts insights into action items before the CUI closing.

Time	Session	Objective / Rationale
8:00 – 9:00 am	Interactive Breakfast — Themed Table Discussions	Tables organized around three questions from Tuesday's sessions. Brief report-outs before the panel to surface overnight insights and set the room's focus.
9:00 – 10:15 am	Panel B: Cyber-Physical Security in Power and Energy Systems	
— Break — Coffee, Networking, Stretch —		
10:45 am – 12:00 pm	Deep Research Talks	Short research presentations on state-of-the-art work that is connected to the main theme of the IPT Meetings.
1:00 – 3:00 pm	Student Demos & Poster Session	Posters in hallway throughout the day; designated interactive session 1:00–3:00. Students present hands-on demonstrations of research prototypes. Connects academic research to practitioner needs surfaced in panels.
— Break — Coffee, Networking, Stretch —		
3:00 – 4:15 pm	Mini Tutorial C: Securing Digital Shipyard Systems: Risks, Resilience, and Practical Approaches	
4:15 – 5:30 pm (Optional)	Mini Tutorial D: Emerging Practices in Cyber-Physical Security and Resilience Collaboration & Action-Planning Session	Cross-sector working groups define next steps and help to shape the 2026 IPT Meeting reports.

Thursday, June 18 — CUI Session II | Synthesis and Coordinated Path Forward

Location: Arcfield (formerly Rite-Solutions), Middletown

📌 **Program Logic:** The final CUI day closes the loop opened on Monday. Now that participants have heard the open-session perspectives, research, and hands-on exercises, the CUI session synthesizes what was learned and translates it into coordinated action. The arc: keynote (what changed this week) → panels (applying open-session insights to CUI priorities) → tutorial (specific CUI techniques) → panels (action planning) → close.

Time	Session	Objective / Rationale
7:30 – 8:15 am	Check-In & Continental Breakfast	
8:15 – 9:00 am	CUI Keynote: Perspectives on Naval CPS Cyber Challenges and Priorities	
— Break — Coffee, Networking, Stretch —		
9:15 – 10:15 am	Panel: Closing the Loop — Applying Open-Session Research to CUI Shipyard Challenges and Priorities	Same shipyard voices as Monday, but now with the benefit of the open sessions. How does the commercial and academic research presented this week apply to the CUI environment? What gaps remain? What actions are feasible?
— Break — Coffee, Networking, Stretch —		
10:30 am – 11:30 am	Panel: Closing the Loop — Applying open session research to shipboard CPS Challenges and Priorities	Shipboard CPS view of shared OT vulnerabilities — related to combat systems, navigation systems, communication systems, weapons systems, sensor systems, infrastructure systems, supply chain, and workforce cyber hygiene. Identifies consensus priorities and gaps that open-session research and demos may address.
11:30 – 12:30 pm	Lunch	
12:30 – 1:45 pm	CUI Mini Tutorial A LLMs for CPS Situational Awareness Dashboard	Overview, challenges, benefits, vulnerabilities, and example solutions in research
1:45 – 2:00 pm	CUI Mini Tutorial B Research in Shipboard Power Distribution and Storage Closing & Adjourn	Overview, challenges, benefits, vulnerabilities, and example solutions in research