

# CPS<sup>3</sup> Cyber-Physical Systems Security Summit

TUESDAY / MAY 13, 2025

**9:00AM Welcome**

Dariusz Mikulski, Ph.D. (*Director, NDIA-Michigan Chapter*)  
Jennifer Tisdale (*Director, NDIA-Michigan Chapter*)

**9:05AM Keynote: Meeting the Challenge of Cyber Hardening Commercial Critical Infrastructure**

John Garstka (*Director of Cyber Warfare, OUSD ASD(A) Platform and Weapon Portfolio Management*)

**9:25AM DoD Cyber Threats Over Next 5 Years**

**MODERATOR:** Karl Nielsen  
(*Cyber Technical Specialist, US Army DEVCOM GVSC*)  
**Panelist:** John Garstka (*Director of Cyber Warfare, OUSD ASD(A) Platform and Weapon Portfolio Management*)  
**Panelist:** Jeff Walthers  
(*CEO, American Cybersecurity Group, LLC*)

**10:10AM Adventures in Robot Cybersecurity: Lessons Learned and Future Directions**

Dariusz Mikulski, Ph.D.  
(*Lead Research Scientist, US Army DEVCOM GVSC*)

**10:30AM MORNING BREAK**

**10:45AM Securing the Skies: The Challenges of Safety and Security in Aviation**

*Safety has been at the forefront of civil aviation since the formalization of safe software development standards. But now, the aviation industry has found that they were building flying datacenters with increasing connectivity to match. With all this data, processing capability, and global connectivity, how does security fit into aviation? Right alongside safety! In this talk, you will learn about how Safety and Security is applied to aviation system design and how they interact in non-obvious ways with one another. You'll end up coming away with a new perspective on how objective-based systems design can help your security team draw links from threats to impacts on operations.*

Lillian Baker (*Product Security Engineer, Boeing*)

**11:15AM Cyber Villages: Strengthening the Cyber Workforce & Securing Critical Industries**

*As cyber threats grow more sophisticated, these cyber villages play a key role in fostering specialized talent, bridging the gap between industry and policymakers, and driving forward cybersecurity best practices. This panel will explore the mission and impact of cyber villages, discuss challenges in workforce readiness, and highlight opportunities for professionals to engage in securing the future of these critical sectors.*

**MODERATOR:** Joseph Gotham  
(*Branch Chief, US Army DEVCOM GVSC*)

**Panelist:** Kate Johnson (*ICS Village*)

**Panelist:** Lillian Baker (*Product Security Engineer, Boeing*)

**Panelist:** Justin Montalbano (*President, Car Hacking Village*)

**12:00PM LUNCH**

**1:00PM Keynote: US Army Digital Engineering**

David Gorsich, Ph.D.  
(*Chief Scientist, US Army DEVCOM GVSC*)

**1:30PM How Digital Engineering Will Reshape Our Approach to Cybersecurity**

**MODERATOR:** Mark Pickett  
(*President, Winmark Capture Solutions*)

**Panelist:** Stephen Kerr  
(*Information Systems Security Manager, PM XM30*)

**Panelist:** Steve Schultz  
(*Associate Director, US Army DEVCOM GVSC*)

**2:15PM AFTERNOON BREAK**

**2:45PM Can Digital Engineering Keep Up with Next-Generation Threats**

Carol Woody, Ph.D. (*Principle Researcher, Carnegie Mellon University Software Engineering Institute*)

**3:15PM Potential Impacts of Cybersecurity Threats to Digital Engineering**

**MODERATOR:** Mark Pickett  
(*President, Winmark Capture Solutions*)

**Panelist:** John Checco, D.Sc. (*President, ISSA NY*)

**Panelist:** Daniel Cole, Ph.D.  
(*Associate Professor, University of Pittsburgh*)

**Panelist:** Hahna Kane Latonick (*Director, Dark Wolf Solutions*)

**4:00PM Battlefield Security: The US Energy Infrastructure**

**MODERATOR:** Joseph Gotham  
(*Branch Chief, US Army DEVCOM GVSC*)

**Panelist:** Cheri Caddy  
(*Former Deputy Assistant National Cyber Director, White House*)

**Panelist:** Guangzhi Qu, Ph.D. (*Professor, Oakland University*)

**4:30PM DoD Small Business Investment Company Critical Technologies Initiative (SBICCT)**

Paul D'Amato  
(*CEO & Managing Director, Michigan Capital Network*)

**4:50PM Wrap-Up & Closing Remarks**

**5:00PM Networking Reception**

**6:30PM Adjourn**

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## Cyber-Physical Systems Security Summit



**WEDNESDAY / MAY 14, 2025**

- 9:00AM Opening Remarks**  
Dariusz Mikulski, Ph.D. (Director, NDIA-Michigan Chapter)  
Jennifer Tisdale (Director, NDIA-Michigan Chapter)
- 9:05AM Keynote**  
MG Paul Rogers  
(Adjutant General, Michigan National Guard)
- 9:25AM Fireside Chat**  
**MODERATORS:**  
Dariusz Mikulski, Ph.D. (Director, NDIA-Michigan Chapter)  
Jennifer Tisdale (Director, NDIA-Michigan Chapter)  
**Panelist:** MG Paul Rogers  
(Adjutant General, Michigan National Guard)
- 10:15AM MORNING BREAK**
- 10:35AM Rethinking Routine:  
Uncovering Hidden Risk**  
*Procedures are necessary, but routine can be the enemy of vigilance. Using the Swiss Cheese Model of Error — a model used for risk analysis and risk management for identifying how small oversights can lead to catastrophic failures - this talk reveals why organizations in these fields are prone to the dangers of, "this is how we've always done it" thinking.*  
Jennifer Shannon (Senior Security Consultant, Secure Ideas LLC)
- 11:05AM Evolving Challenges, Evolving Defenses:  
Insights into Defense in Depth**  
*This expert panel will delve into real-world examples of applying Defense in Depth methodology to secure cyber physical systems, highlighting the obstacles faced in resource allocation, system complicity, and evolving threats. All will share their perspectives on best practices, innovative techniques, and lessons learned to build resilient, multi-layered defenses in critical systems.*  
**MODERATOR:** Hannah Perez (Senior Embedded Security Engineer, General Dynamics Land Systems)  
**Panelist:** Bob Kaster, Ph.D. (Chief Technical Expert, Bosch)  
**Panelist:** Steph Saariaho (System Security Engineer, General Dynamics Mission Systems)  
**Panelist:** Brandon Smith (Cybersecurity Intelligence Analyst, Michigan State Police)

- 12:00PM LUNCH**
- 1:00PM Open Secrets:  
Navigating an OSINT Capture-the-Flag**  
*In the world of open-source intelligence (OSINT), valuable information is often hiding in plain sight - but finding it requires more than just technical know-how. It takes curiosity, creativity, and a mindset that question assumptions and sees patterns where others see noise. As such, this session will introduce you to the fundamentals of OSINT through hand-on Capture-the-Flag (CTF) exercises. Learn to think critically, adapt quickly, and approach problems from new angles - this talk will equip you with the mindset and methods to uncover hidden insights and capture the flag.*  
Sophia Kraus (Security Researcher)
- 2:30PM AFTERNOON BREAK**
- 2:45PM Battlefield Security: Air & Space**  
**MODERATOR:** Gregg Wildes, Ph.D.  
(Innovation Director, Dornierworks)  
**Panelist:** Tom Barnett (Cyber Engineering Lead, US Army PEO Aviation)  
**Panelist:** Brennan Hay (Cybersecurity Director and Research Lead, NASA)  
**Panelist:** Dan Trujillo (Space Cyber Resiliency Lead, Air Force Research Laboratory)
- 3:30PM LIVE Summit Recap Podcast  
with Dan Lohrmann & Earl Duby**
- 4:30PM Adjourn**