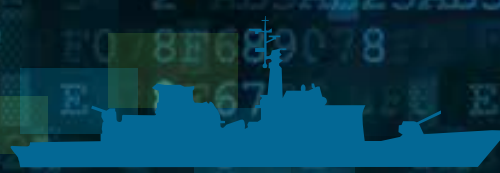


CPS³

Cyber-Physical Systems Security Summit



TUESDAY / MAY 13, 2025

9:00AM

Welcome

Dariusz Mikulski, Ph.D.

(Lead Research Scientist, US Army DEVCOM GVSC)

Jennifer Tisdale *(CEO, GRIMM)*

9:05AM

Keynote

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

9:25AM

Keynote: Adversarial Cyber Threats to the U.S. Defense Industrial Base

Natalie Lehr-Lopez

(Executive Director, DNI Supply Chain Risk Management)

9:45AM

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: Natalie Lehr-Lopez

(Executive Director, DNI Supply Chain Risk Management)

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: Tom VanNorman *(Co-Founder, ICS Village)*

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

Panelist: Justin Montalbano **INVITED**

(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 *(Director of Cybersecurity, Neya)*

Panelist: Daniel Cole, Ph.D.

(Associate Professor, University of Pittsburgh)

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

4:00PM

Securing Domestic Battlefields: The US Energy Infrastructure

Panelist: Cheri Caddy

(Senior Advisor for Cybersecurity, US Department of Energy)

Panelist: Guanghi 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)

Meagan Malm

(Senior Principal & Director of Operations, Michigan Capital Network)

4:50PM

Wrap-Up & Closing Remarks

5:00PM

Networking Reception

6:30PM

Adjourn

NDIA Michigan
Chapter

CPS³

Cyber-Physical Systems Security Summit



WEDNESDAY / MAY 14, 2025

9:00AM Opening Remarks

Dariusz Mikulski, Ph.D.

(Lead Research Scientist, US Army DEVCOM GVSC)

Jennifer Tisdale (CEO, GRIMM)

9:05AM Keynote

MG Paul Rogers

(Adjutant General, Michigan National Guard)

9:25AM Fireside Chat

MODERATORS:

Dariusz Mikulski, Ph.D.

(Lead Research Scientist, US Army DEVCOM GVSC)

Jennifer Tisdale (CEO, GRIMM)

Panelist: MG Paul Rogers

(Adjutant General, Michigan National Guard)

9:55AM Robot Cybersecurity Talk:

Hijack Resiliency

Dariusz Mikulski, Ph.D.

(Lead Research Scientist, US Army DEVCOM GVSC)

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: Brenden 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

(Cyber Vulnerability Researcher, US Army DEVCOM GVSC)

2:30PM

AFTERNOON BREAK

2:45PM

Securing Domestic Battlefields: Aerospace & Aviation

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