NDIA Michigan Chapter

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 **Talk**
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 Gothamy
(Branch Chief, US Army DEVCOM GVSC)
Panelist: Tom VanNorman *(Co-Founder, ICS Village)*
Panelist: Lillian Baker *(Product Security Engineer, Boeing)*
Panelist: GRIMM **INVITED** *(Car Hacking Village)*

12:00PM **LUNCH**

1:00PM **Keynote**
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 **INVITED**
(Senior Advisor for Cybersecurity, US Department of Energy)
Panelist: Guanghi Qu, Ph.D. *(Professor, Oakland University)*

4:30PM **Wrap-Up & Closing Remarks**

5:00PM **Networking Reception**

6:30PM **Adjourn**

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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, Dornerworks)
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**

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