



2018 North American International Cyber Summit

Monday, October 29, 2019

Cobo Center – Detroit, MI

Draft Event Agenda

7:30 AM - 8:30 AM

Registration and Continental Breakfast & Visit with Sponsors

8:00 AM - 12:00 PM

High School Cyber Challenge

Teams of high school students from around the state will compete against each other in a unique cyber competition. These students have completed Round 1 of the competition and have scored high enough to be invited to go head-to-head in a fast-paced cyber challenge. Students will complete the challenge from 8:00 am until 12:00 pm with the top 3 teams receiving awards.

Each student in Round 2 of the Governor's High School Cyber Challenge will receive a voucher to take a Security + Bootcamp Course & Certification Exam Voucher (a \$3,000 value!). Upon passing the exam, this certification qualifies students for direct entry into first level cyber personnel job positions.

8:30 AM - 8:35 AM

Presentation of the Colors by the Michigan State Police Color Guard and Performance of the National Anthem by One AChord

8:35 AM - 8:40 AM

Welcome & Event Kick Off by Event Emcee

Kristin Judge, CEO/President, Cybercrime Support Network

8:40 AM - 8:45 AM

Opening Remarks from the State of Michigan CIO

David DeVries, DTMB Director and State CIO, State of Michigan

8:45 AM - 9:10 AM

Keynote Address - Michigan Governor Rick Snyder

9:10 AM - 9:35 AM

Featured Speaker

Department of Homeland Security: Defending Today and Securing Tomorrow

Matthew Travis, Deputy Under Secretary, National Protection and Programs Directorate, Department of Homeland Security

9:35 AM - 10:05 AM

Featured Speaker

From the Arsenal of Democracy to Democratizing Security

Michigan has a rich history of innovation that reverberates throughout society today, from being the birthplace of the auto industry to helping develop the first commercial internet. Join Duo Security co-founder Dug Song as he details why the ingredients for his company's success are rooted in its Michigan founding. He'll also discuss steps the region needs to take to tackle the biggest geopolitical issue of our time: cybersecurity.

Dug Song, VP/GM, Duo Security Business Unit, Cisco

10:05 AM - 10:35 AM

Networking Break and Visit with Sponsors

10:35 AM - 11:25 AM

Diamond/Platinum Ted Talk Session - Information Sharing and Effective Partnership for Cyber Security

In today's cyber landscape it is imperative to collaborate to solve national cyber security problems. Our group of experts will discuss how to improve information sharing and build effective partnerships between the public and private sectors to counter cyber security issues.

Moderator: **Rajiv Das**, Chief Security Officer and Deputy Director, State of Michigan Department of Technology, Management and Budget (DTMB)

Speaker: **Mark Ford**, Principal, Industry Sector Leader, Higher Education, Deloitte & Touche LLP

Speaker: **Paul Girardi**, Assistant Vice President Cybersecurity, AT&T

Speaker: **Stewart Tan**, Solutions Principal, Cisco

11:35 AM - 12:20 PM

Breakout Sessions - Attendees may choose one session to attend during each of the breakout sessions.

Thwarting a Cyberphysical Attack in the IoT Era

While businesses and consumers see opportunity and efficiency in the billions of devices now connected to the Internet of Things and Industrial Internet of Things, cyber criminals also see an opportunity in the vulnerabilities created with each connection. This session will outline three things you need to understand in order to prevent a cyberphysical attack in our digitally connected world. Walk away with best practices you can use to implement the right mix of policy, architecture, regulation and technology to keep your organization secure.

William J. Malik, CISA, VP Infrastructure Strategies, Trend Micro

Cyber Workforce Development: Advancing the Cybersecurity Pipeline Through Educational Ecosystems

The cybersecurity talent gap is a familiar problem by now. Ubiquitous studies and speakers highlight the increased cybersecurity workforce talent gap. These conversations are now rote; What are the outstanding hurdles to fill the talent pipeline? Using actionable items on a reasonable budget, our panelists have successfully begun recruiting, training and retaining cyber talent. This discussion will provide information about fostering public and private collaborations to both attract and train entry level talent for the workforce, and recruit and retain mid level individuals and veterans - All at an attainable level of investment.

Moderator: **Tonia Cronin**, Michigan Cyber Range Business Development Manager, Merit

Panelists:

Pierrette Dagg, Director of Marketing and Communications, Merit
Jim Darga, Director of the Pinckney Cyber Training Institute
Kevin Hayes, Chief Information Security Officer, Merit
Cyndi Millns, Professional Faculty-Cybersecurity, Washtenaw Community College
Rebecca Steele, Sales Leadership, Strategy and Business Development, Cisco
Richard Schott, Professor, Cyber Security Programs, Wayne State University

Leveraging Security Diagnostics for IAM Automation Strategies

This session will discuss the strategies for executing a successful Identity Governance and Access Management Program along with leveraging diagnostics and automation strategies.

Brian Dudek, Sales Engineer, Data Strategy
Rebecca Harvey, Information Security Solutions Architect, Data Strategy

Security at the Speed of Trust

This session will discuss promoting information sharing and collaboration by building trust-based relationships.

Scott Larsen, Director of Cybersecurity, Acting CISO, Beaumont Health

Locking the IoT Back Door: Strategies for a Safer Smarthome

The Internet of Things revolution has put smart devices in our suitcases, on our wrists, and in our homes. Like most technology during the early stages, cybersecurity implementation and maintenance has not been a priority. Learn about the IoT risks and how to avoid and mitigate them in the Smarthome.

Ann-Marie Horcher, Ph.D., Central Michigan University

Demonstrations by Kibbey The Michigan State Police Cyber Dog

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Cyber Range - Annual International Invitation Cyber Competition

The International Cyber Exercise is a multi-team event that challenges the offensive and defensive cybersecurity skills of its participants. This year, National Guard teams from a range of states and their partner countries will face off in Alphaville, the virtual training environment created by the Michigan Cyber Range. Using open source tools and their own skills, teams will compete to control as many of Alphaville's network assets as possible. This event requires a high degree of group skill, as they will have to protect the devices they control while attacking other teams. The team controlling the most devices at the end of the day is declared the winner.

12:20 PM - 12:30 PM

Transition to the Ballroom for Lunch

12:30 PM - 1:30 PM

Luncheon & Presentation of the High School Cyber Challenge Awards by Governor Rick Snyder

1:30 PM - 2:20 AM

NGA Panel Discussion: Cybersecurity in Practice: Meet the NGA Cyber Policy Academy

In 2018, the National Governors Association chose Indiana, North Carolina, West Virginia, and Wisconsin to participate in the year-long NGA Policy Academy on Implementing State Cybersecurity. This panel will

feature team leaders from Indiana, West Virginia, and Wisconsin, who will discuss each state's cybersecurity priorities and challenges.

Moderator: **David Forscey**, Senior Policy Analyst, Homeland Security & Public Safety Division, National Governors Association

Panelists:

David Cagigal, CIO, State of Wisconsin

Chetrice Mosley, Cybersecurity Program Director, State of Indiana

Joshua D. Spence, Chief Information Security Officer, West Virginia Office of Technology

2:20 PM - 2:50 PM

Networking Break, Visit with Sponsors and Transition to Breakout Sessions

2:50 PM - 3:35 PM

Breakout Sessions - Attendees may choose one session to attend during each of the breakout sessions.

How to Gain Ground on Cyber Attacker - State of Cyber Resilience

Organizations are gaining ground on the damaging impact of targeted cyber attacks, proving that recent security investments are paying off. Despite the number of targeted cyber attacks doubling in the last year, companies are improving cyber resilience and demonstrating they can perform better under pressure. But there is more work to be done. Now is the time to build on this momentum by drawing on investment capacity to fully realize the benefits of cyber resilience. Accenture reveals five steps to close the gap on cyber attackers and continue to embed security into the fabric of their organizations within the next two to three years.

Lalit K. Ahluwalia, *CISSP, CIPP, PMP*, Managing Director - North America Security Lead (Health & Public Sector), Accenture

Michigan Leadership in Vehicular Cybersecurity Training Initiatives

Michigan is on the leading-edge of talent creation and acquisition with three unique programs revolving around groundbreaking vehicle cybersecurity training. The CyberAuto Challenge, CyberTruck Challenge, and trailblazing a flagship high school engineering automotive cybersecurity STEM program are just three of Michigan's creative way to tackle talent creation. Each event is unique, innovative, and being held as a role model not only by other states, but other countries who wish to emulate Michigan's success in these areas.

Karl Heimer, Principal, Heimer & Associates, LLC

Shedding Some Light on the Dark Web

Imagine being in a foreign location in complete darkness; it can be incredibly hard to make your way around. Now try and find something specific, or better yet, collect and gather information related to an idea, while in that same darkness. Join the Michigan State Police on a visit into the Dark Web. We will explain what the Dark Web is, information that has been found pertaining to Michigan and its organizations, as well as what the Michigan State Police can do for you and your organization.

Dedicated Dark Web Intelligence Analyst within the Michigan Cyber Command Center, Michigan State Police

Marshall Plan for Talent – Join the Revolution

The Marshall Plan for Talent is a revolutionary approach to better prepare Michigan students and adults for the jobs of today and tomorrow, and will invest an additional \$100 million over five years to

revolutionize our talent and education system. A multi-jurisdictional panel representing partners from across the state will be discussing some of the innovative consortiums that have begun to change the landscape here in Michigan.

Moderator: **Jeremy Hendges**, Interim Director, Michigan Department of Talent and Economic Development

Panelists:

Wendy Larvick, Chief of Staff for the Office of the State Superintendent, Michigan Department of Education

Jon Oberheide, Co-Founder and CTO, Duo Security

Andrew Spiece, Regional Manager, TEALS

Fixing What is Fundamentally Broken in Cybersecurity with Former CISO, U.S. Air Force, Maj. General Earl Matthews (Ret.)

Organizations have been managing security based on assumptions, hopes and prayers for decades. We assume our technology will detect and block that attack or leak, we hope our incident response techniques will be efficient and effective when under assault, and we pray that our security teams are well trained and practiced when everything goes wrong. But in many cases, we don't have a way to evaluate our security effectiveness let alone have any empirical evidence to back up our assumptions. In short, assumption-based security sucks. Assumption-based security results in many negative outcomes.

- Security tool overload and shelf-ware is being predicated on a tradition of purchasing too many security buzzwords, evaluating solutions incorrectly, purchasing the wrong solutions, not tuning what we have, not retiring antiquated solutions and burning through time, money and other resources.
- Defensive regression is resulting in perhaps a once effective set of security controls no longer operating as desired because of configuration mistakes, loss of expertise and even malice.
- Poor business decision making is occurring because most of us don't know if our security spend is making us more secure, if we are investing in the right areas or if we can even communicate the state of our security effectiveness to stakeholders. Enough is enough. We need to move beyond assumptions. We need to "know." We need to assess the efficacy of our security technology, talent and techniques. This presentation will focus on moving from assumption based security to continuous security validation and as it relates to security effectiveness.

Earl Matthews, Maj Gen (ret), Chief Strategy Officer, Verodin, Inc.

Demonstrations by Kibbey The Michigan State Police Cyber Dog

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3:35 PM - 3:45 PM

Networking Break and Visit with Sponsors

3:45 PM - 4:30 PM

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Automotive - A Security Integration Headache

Creating a vehicle is a systems integration project. Multiple suppliers providing a solution to eventually then be integrated into the sellable product. Taking into account enterprise IT and the issues that system's integration providers have, it is clear to see why automotive cybersecurity is not simple. This presentation discusses different scenarios experienced where security hasn't been considered during the integration and vulnerabilities have been identified. There is then a shift to understanding how with a change in thinking, security vulnerabilities can be designed out to reduce security and overall safety risk.

Thomas MacKenzie, Associate Partner, X-Force Red, IBM

Ivan Reedman, Global Hardware Security and Capability Development Lead, X Force Red, IBM

Penetration Testing for Patient Care

"But we passed our penetration test," the person handling the security breach groaned. "How come they missed this?" Since the late 1960s, penetration testing has been about two things: demonstrating that the system can be broken into and finding some vulnerabilities. But, by now? We all know systems can be broken into. The shock and surprise are gone. And we all know there are vulnerabilities. Scores of vulnerabilities. Too many vulnerabilities. In fact, arguably today's penetration testing doesn't even identify a fraction of the vulnerabilities. Repeating ourselves isn't working. This session will present a new strategy for penetration testing focused on protecting patient health and safety.

J Wolfgang Goerlich, SVP, Strategic Security Programs, CBI

Trends and Strategies in Cybersecurity

As your business invests in cloud and mobile technology, it's important to understand major security trends and events so you can strengthen your company's security posture. The security threat landscape is constantly changing, which is why we track and analyze security threats—such as software vulnerabilities, malware, botnets, and attacker tactics. This talk will cover these trends, including the impact ransomware had on businesses, takedown of the destructive Gamarue botnet and explain changes in attack vectors, and provide recommendations organizations can implement to help reduce their attack surface and protect networks and critical services from destructive attacks.

Shawn Anderson, Chief Security Advisor, Microsoft

A Candid Conversation with a Car Hacker

Matt Carpenter leads a team of elite cybersecurity researchers at GRIMM, a cybersecurity research firm dedicated to supporting the automotive industry by "breaking" their stuff and ensuring automakers are securing their vehicle electronics. During this conversation, attendees will have the opportunity to ask questions about how and why hackers hack cars (trains, planes, medical devices, etc.) and to understand the process and value to industry.

Matt Carpenter, Principal Researcher, GRIMM Cyber Research

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4:30 PM

Adjournment