



THE ART OF
POSSIBLE

RSA
Conference™
2024

San Francisco

May 6 – 9
Moscone Center

IoT Playbook

Allegro

Summary

THE ART OF
POSSIBLE

Monday, May 6, 2024

"Join the Mission to Strengthen the Industrial Ecosystem"

Time: 9:40 AM - 10:30 AM PT

"The Cybersecurity of Smart 'Adult' Toys, or Lack of It"

Time: 9:40 AM - 10:30 AM PT

"Ensuring Intelligence, National Security in Rapidly Changing Technology World"

Time: 1:10 PM - 2:00 PM PT

"The State of Cybersecurity – Year in Review"

Time: 4:35 PM - 4:55 PM PT

Tuesday, May 7, 2024

"Teaching Software Engineers to Threat Model: We Did It, and So Can You"

Time: 8:30 AM - 9:20 AM PT

"Harmonizing IT and OT Security in the Era of Convergence"

Time: 9:40 AM - 10:30 AM PT

"Homomorphic Encryption"

Time: 1:15 PM - 2:05 PM PT

"What's in Your Burrito?"

Time: 1:15 PM - 2:05 PM PT

"BigID: Security By Design: Building Trust through Product Security"

Time: 2:10 PM - 2:30 PM PT

Wednesday, May 8, 2024

"SBOMs for Evil: From Software Supply Chain Documentation to an Attack Path"

Time: 8:30 AM - 9:20 AM PT

"Blackjack and Breaches: History of Ransomware on the Casino Industry"

Time: 2:25 PM - 3:15 PM PT

Thursday, May 9, 2024

"Don't Worry About Your Toilet ... I'm Just Hacking It"

Time: 12:20 PM - 1:10 PM PT

"Techniques for Automatic Device Identification and Network Assignment"

Time: 1:30 PM - 2:20 PM PT

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THE ART OF
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Join the Mission to Strengthen the Industrial Ecosystem

Monday, May 6, 2024
9:40 AM – 10:30 AM PT

Event Link

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Participant

Dawn Cappelli
Director, OT-CERT, Dragos

Related RSA Articles

- ▶ [A CISO needs to bring business value to the company](#)
- ▶ [Stop Translating, Start Defending: Common Language for Managing Cyber-Risk](#)
- ▶ [Top 10 List for Securing Your IT/OT Environment](#)
- ▶ [What Lurks within Your IT: Spotlight on the Dark Side of the Supply Chain](#)

Related Podcasts

- ▶ [RSAC 2019 CISO Boot Camp](#)
- ▶ [Security Coming Together: The Convergence of IT and OT](#)

Related Videos

- ▶ [Cyber Safety: Kids - The True Story of Alicia](#)
- ▶ [No Insider Cybersecurity Risk? Guess Again!](#)

Related Webcasts

- ▶ [Advisory Board Previews RSAC 2020 Key Topics](#)
- ▶ [RSA Conference 2022 Advisory Board Roundtables](#)
- ▶ [RSA Conference 2023 Advisory Board Roundtable Part 1](#)



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The Cybersecurity of Smart 'Adult' Toys, or Lack of It

Monday, May 6, 2024
9:40 AM – 10:30 AM PT

Event Link

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Participant

Ken Munro
CEO, Pen Test Partners, Inc.

Related RSA Presentations

- ▶ [Aviation Cybersecurity: Technology and Teamwork](#)
- ▶ [Fixing the Mess of IoT Security](#)
- ▶ [Hacking Electronic Flight Bags](#)
- ▶ [Hacking the Unhackable: Pwning the Bitfi Crypto Wallet](#)
- ▶ [Joining Forces with the White Hat Researchers: Aviation Industry Lessons](#)
- ▶ [Taking Flight – 3 Experts Discuss Aerospace Cybersecurity](#)
- ▶ [What are the dangers of using Facebook, other social networking sites?](#)

Related Podcasts

- ▶ [401 Access Denied Podcast Ep. 89 | Smart Hacking with Ken Munro](#)
- ▶ [Hacking planes, trains and automobiles](#)
- ▶ [Ken Munro Talks Ethical Hacking, Cybersecurity Research and Electronic Flight Bags](#)
- ▶ [Satellite Cybersecurity Horror Stories With Ken Munro](#)
- ▶ [Smart Hacking](#)

Related Videos

- ▶ [Can a passenger hack an airplane?](#)
- ▶ [Internet of Things](#)

Related Readings

- ▶ [Keyless Cars: A New Frontier For Bug Bounties?](#)
- ▶ ['Walk & Stalk': A New Twist In Cyberstalking](#)



THE ART OF
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Ensuring Intelligence, National Security in Rapidly Changing Technology World

Monday, May 6, 2024
1:10 PM – 2:00 PM PT

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Participants

Dave DeWalt
Founder, CEO, and Managing Director, NightDragon

Mark Warner
U.S. Senator and Chairman of the Senate Select Committee
on Intelligence, United State Senate

Related RSA Presentations

- ▶ [Cyber Safety Review Board – Looking Back to Move Forward](#)
- ▶ [How-To for Innovators and Entrepreneurs](#)
- ▶ [The State of Venture Capital in Cybersecurity](#)

Related Articles

- ▶ [5 Cybersecurity Questions Boards Can't Afford To Ignore](#)
- ▶ [4 Lessons From Recent Cyber Trends](#)
- ▶ [Funding Down, Optimism Up: The Bright Spots For Cybersecurity Startups In 2024](#)
- ▶ [If US Loses The War For Cyber Talent, It Loses The Cyberwar](#)
- ▶ [Perfect Storm Expands Opportunities For Cyber Investment](#)
- ▶ [The Next Evolution Of Data And Crowdsourcing: Crowd Empowerment](#)

Related Webcast

- ▶ [Securing the New Normal: A Virtual Happy Hour on Moving Forward](#)



THE ART OF
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The State of Cybersecurity – Year in Review

Monday, May 6, 2024
4:35 PM – 4:55 PM PT

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Participant

Kevin Mandia
Mandiant CEO, Google Cloud



Related RSA Presentations

- ▶ [Building Trust in a Zero-Trust World to Confront Tomorrow's Cyber Threats](#)
- ▶ [The Role of Partnerships in Advancing Cyber Diplomacy](#)
- ▶ [The State of Cybersecurity – Year in Review](#)

Related Articles

- ▶ [A Year in Review with Kevin Mandia](#)
- ▶ [China 'Innovated' Its Cyberattack Tradecraft, Mandia Says](#)
- ▶ [China replaces Russia as top cyber threat](#)
- ▶ [Discovering SolarWinds Hack 'Validates Our Intelligence and Expertise'](#)
- ▶ [FireEye CEO Kevin Mandia On Ransomware: Businesses Must 'Try To Reduce The Blast Radius' Of Attacks](#)
- ▶ [His firm accused China of hacking the US; now he awaits the consequences](#)
- ▶ [How A Cybersecurity Firm Uncovered The Massive Computer Hack](#)
- ▶ [Iran is 'leapfrogging our defenses' in a cyber war 'my gut is we lose': Hacking expert Kevin Mandia](#)
- ▶ [Keep 'Shields Up' to Survive the Current Escalation of Cyberattacks](#)
- ▶ [Kevin Mandia's 10 Boldest Remarks On Thwarting Cyberthreats](#)
- ▶ [Mandiant CEO On Biggest AI, Security And Google Investments](#)
- ▶ [Mandiant CEO Sees 'Coordinated National, Global Response' As Next Advance In Cybersecurity](#)
- ▶ [Mandiant CEO's 7 tips for cyber defense](#)
- ▶ [We're braced for the impact of Russian cyber attacks](#)

Related Blog

- ▶ [How FireEye Cybersecurity Company Discovered Major Government Systems Hack](#)

Related Transcript

- ▶ [Transcript: Kevin Mandia on "Face the Nation," December 20, 2020](#)

Related Webcasts

- ▶ [Cyber criminals are able to break in because they're breaking human trust: Mandiant CEO Kevin Mandia](#)
- ▶ [FireEye CEO on how the SolarWinds hack was discovered](#)
- ▶ [Why companies decide to pay hackers ransoms](#)



Office: 978-252-7355
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www.allegrosoft.com
loren@allegrosoft.com

Let's Talk IoT Security

Implementing IoT device security can be a significant and costly challenge. Let us help you by sharing our proven framework for integrating a proactive security approach into your design, minimizing the need for programming resources and reducing development costs and time to market

MEET GOVERNMENT REQUIREMENTS FOR FIPS VALIDATED CRYPTOGRAPHY

Since 1996, Allegro Software Corporation has been at the forefront of leading the evolution of device management solutions with its patented embedded web server and security toolkits.

The Allegro Cryptography Engine (ACE™) is a cryptographic module for resource sensitive IoT devices designed to meet the requirements needed for FIPS validation. ACE™ enables OEMs to add sophisticated FIPS approved encryption technology to their designs and dramatically speed the development cycle.



250 Million Devices and Counting

Over 250,000,000 machines have been shipped using the Allegro family of Internet Software Toolkits for Embedded Devices.



Engineered for Embedded Systems

Allegro software toolkits are precision engineered to meet the demands of embedded device developers working on cost-sensitive systems.



Fully Integrated Solutions

The Allegro toolkits offer rapid integration and provide a range of simple through sophisticated application value to the embedded world.

Scan the QR code for more information about Allegro





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Teaching Software Engineers to Threat Model: We Did It, and So Can You

Tuesday, May 7, 2024
8:30 AM – 9:20 AM PT

Event Link



Participant

Jamie Dicken
Director, Security Assurance, New Relic

Related RSA Presentation

- ▶ [Navigating the Unknowable: Resilience through Security Chaos Engineerings](#)

Related Articles

- ▶ [A new cyber kill chain mnemonic](#)
- ▶ [Friction as Threat Deterrence](#)
- ▶ [How to Deal when High Estimates Delay Security Remediations](#)
- ▶ [Letting go of perfect: scaling threat modeling](#)
- ▶ [Take off the training wheels](#)
- ▶ [The #1 Mistake InfoSec Teams Make when Prioritizing Security Remediations](#)
- ▶ [Threat Modeling: Did we do a good job?](#)
- ▶ [Threat Modeling: How do you know when you're done?](#)
- ▶ [Three Triggers that Derail Security Conversations with App Teams](#)
- ▶ [Troubleshooting your cybersecurity career transition challenges](#)
- ▶ [True Confessions of a Cybersecurity Manager Reviewing Entry-Level Resumes](#)

Related Webcast

- ▶ [Security Chaos Engineering: From Theory to Practice](#)



THE ART OF
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Harmonizing IT and OT Security in the Era of Convergence

Tuesday, May 7, 2024
9:40 AM – 10:30 AM PT

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Participants

Bryson Bort
CEO, SCYTHE

Jennifer Minella
Founder, Principal Advisor, Viszen Security

Related RSA Presentations (Bryson Bort)

- ▶ [Colonial Pipeline - What Happened, What Changed](#)
- ▶ [Florida Water Plant Breach: An RSAC Interview with Bryson Bort](#)
- ▶ [ICS Village: RSAC Talk with Chris Krebs](#)
- ▶ [Lightning Talks: From Existential to Reality: 3 Experts on the Evolution of ICS Threats](#)

Related Podcast (Bryson Bort)

- ▶ [Election Security Concerns, Expectations and How You Can Get Involved](#)

Related RSA Presentations (Jennifer Minella)

- ▶ [Expert Mobility: Managing the Wi-Fi World of Wearables, Sensors and IoT](#)
- ▶ [Securing Diversity: Women in Cybersecurity](#)
- ▶ [2028 Future State: Long Live the Firewall?](#)
- ▶ [Why Your NAC Projects Keep Failing: Addressing Products, People, Processes](#)

Related Webcast (Jennifer Minella)

- ▶ [RSAC 365 Virtual Seminar: Zero Trust \(Part 2\)](#)



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Homomorphic Encryption

Tuesday, May 7, 2024
1:15 PM – 2:05 PM PT

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Participants

Marc Joye
Chief Scientist, Zama

Tabitha Ogilvie
PhD Researcher, Royal Holloway, University of London

Related RSA Presentations (Marc Joye)

- ▶ [Advanced Public-Key Encryption](#)
- ▶ [Marc Joye's Home Page](#)

Publications and Communications (Marc Joye)

- ▶ [Books, Book Chapters, and Proceedings](#)
- ▶ [Journal and Book Articles](#)
- ▶ [Proceedings Articles](#)
- ▶ [Theses](#)
- ▶ [Co-authors](#)

Related Paper(Marc Joye)

- ▶ [Google scholar – list of papers authored by Marc Joye](#)

Related Papers (Tabitha Ogilvie)

- ▶ [Differential Privacy for Free? Harnessing the Noise In Approximate Homomorphic Encryption](#)
- ▶ [Improved privacy-preserving training using fixed-Hessian minimisation](#)
- ▶ [On-Line/Off-Line DCR-Based Homomorphic Encryption and Applications](#)
- ▶ [Paper 2022/162: On the precision loss in approximate homomorphic encryption](#)
- ▶ [Paper 2023/701: Differential Privacy for Free? Harnessing the Noise in Approximate Homomorphic Encryption](#)

Related Podcast (Tabitha Ogilvie)

- ▶ [026 Differential Privacy for Free? Harnessing the Noise In Approximate HE w/ Tabitha Ogilvie](#)





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What's in Your Burrito?

Tuesday, May 7, 2024
1:15 PM – 2:05 PM PT

Event Link

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Participants

Raunaq Arora
Lead Application Security Engineer, Chipotle

Caleb Schwartz
Lead Application Security Engineer, Chipotle



THE ART OF
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BigID: Security By Design: Building Trust through Product Security

Tuesday, May 7, 2024
2:10 PM – 2:30 PM PT

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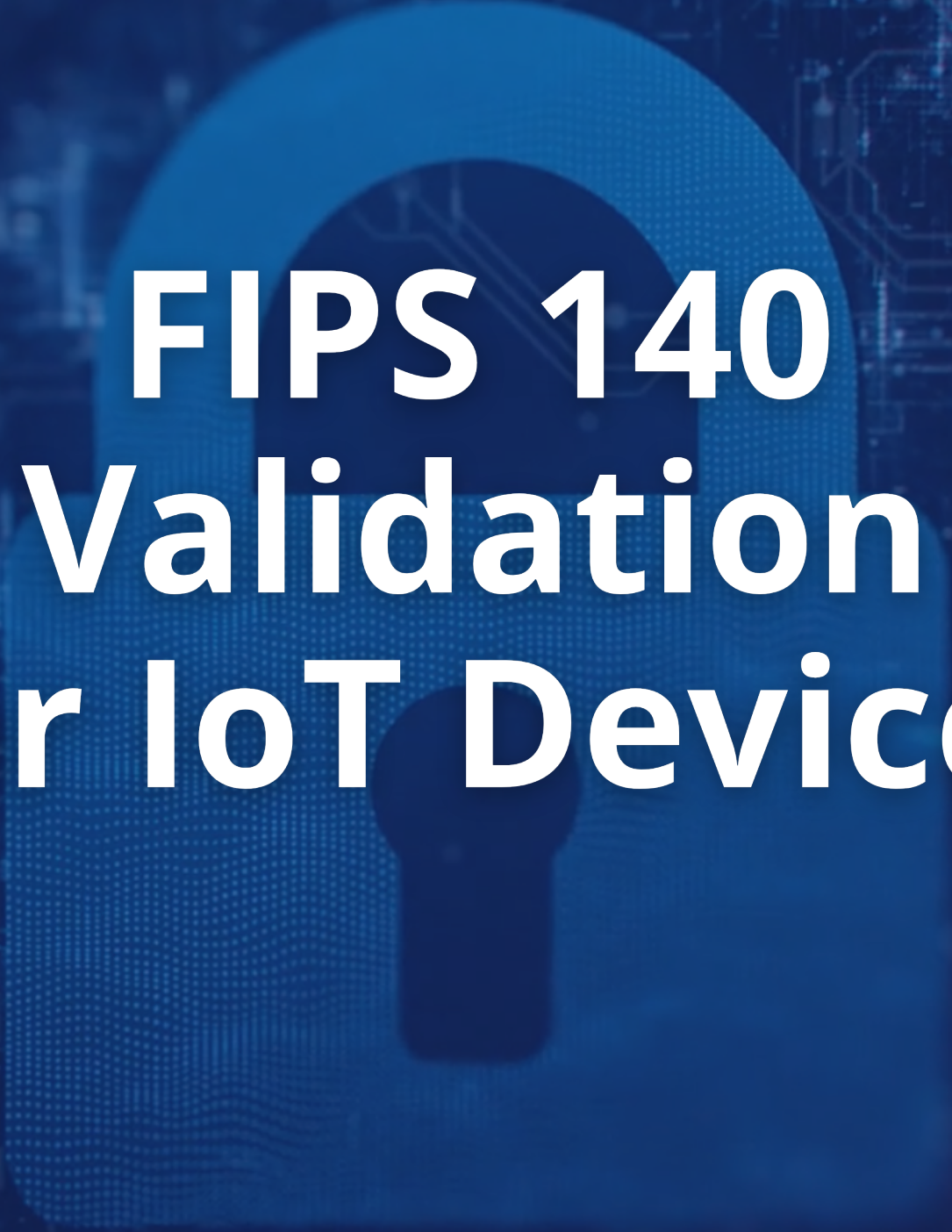


Related Blogs

- ▶ [AI Security: Reduce Risks & Leverage Benefits With Artificial Intelligence](#)
- ▶ [Elevating Trust: AI Security in Financial Services](#)
- ▶ [Expressed Consent: Ensuring Privacy and Building Trust](#)
- ▶ [How BigID Automates Data Security for Financial Services](#)
- ▶ [Operationalizing Privacy-by-Design: The Case for Data-driven GDPR Compliance](#)
- ▶ [Peeling Back the Layers of Cloud Data Security](#)
- ▶ [Security by Design: Secure From the Start](#)
- ▶ [The Ultimate Guide to Data Security, Privacy, Compliance, and Hygiene for AI](#)
- ▶ [2024 Data Security Predictions and Beyond](#)

Related Videos

- ▶ [Data Privacy & Security in Higher Ed](#)



FIPS 140 Validation for IoT Devices

SECURITY AND CONNECTIVITY FOR IOT DEVICES

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THE ART OF
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SBOMs for Evil: From Software Supply Chain Documentation to an Attack Path

Wednesday, May 8, 2024
8:30 AM – 9:20 AM PT

Event Link

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Participant

Larry Pesce
Product Security Research and Analysis Director, Finite State

Related RSA Presentations

- ▶ [SEC556: IoT Penetration Testing](#)

Related Podcast

- ▶ [Security Weekly](#)

Related Webcasts

- ▶ [Phishing without Failure and Frustration](#)
- ▶ [HID Card Hacking](#)
- ▶ [I Don't Give One IoT - Introducing the IoT Attack Methodology](#)
- ▶ [Mind of a Hacker, Role of a Defender, with Larry Pesce](#)
- ▶ [HID Card Hacking](#)
- ▶ [IoT: The Internet of Threats](#)
- ▶ [Software Defined Radio: The New Awesome](#)
- ▶ [The Future of Medical Device Cybersecurity: An Interview with Larry Pesce](#)
- ▶ [Vapor Trail – Data Exfiltration via Faraday's Law & Ponies](#)
- ▶ [What to Expect When You Are Expecting... A Penetration Test](#)



THE ART OF
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Blackjack and Breaches: History of Ransomware on the Casino Industry

Wednesday, May 8, 2024
2:25 PM – 3:15 PM PT

Event Link

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Participants

Tennisha Martin
Executive Director, BlackGirls Hack

Aleise McGowan
Chief Information Officer, BlackGirls Hack



Related Articles (Tennisha Martin)

- ▶ [Bgh Foundation](#)
- ▶ [Black Girl Cyber Magic](#)
- ▶ [BlackGirlsHack founder: 'I'm trying to change what the next generation of cybersecurity looks like'](#)
- ▶ [Cause & Purpose](#)
- ▶ [Demystifying Cyber: Tennisha Martin, the Ethical Hacker Who Founded BlackGirlsHack](#)
- ▶ [Hackers, nation-states target US black community to commit fraud, sow division](#)

Blog (Tennisha Martin)

- ▶ [Elevating diversity in cybersecurity with BlackGirlsHack Founder, Tennisha Martin](#)

Webcasts (Tennisha Martin)

- ▶ [Black Girls Hack Too](#)
- ▶ [How to Enhance Cybersecurity with DEI: Unleashing the Power of SquadCON | A Conversation with Rebekah Skeete and Tennisha Martin | Secure Your Strategy Podcast With Chloé Messdaghi](#)
- ▶ [We are in this together highlights](#)
- ▶ [Video of BlackGirls Hack](#)

Related Articles (Aleise McGowan)

- ▶ [As Cybercrime Increases, USM Meets Need for Cybersecurity Professionals](#)
- ▶ [Evaluating The Persuasiveness Of Mobile Health: The Intersection Of Persuasive System Design And Personalization \(Preprint\)](#)
- ▶ [Extensive Review of Persuasive System Design Categories and Principles: Behavioral Obesity Interventions](#)
- ▶ [Medical Internet of Things: A Survey of the Current Threat and Vulnerability Landscape](#)
- ▶ [mHealth Cross-Contamination: Android Platform mHealth Cross-Contamination of User Health Data: Android Platform Analysis Emergent Research Forum \(ERF\)](#)
- ▶ [The Intersection Of Persuasive System Design and Personalization: Evaluating the Persuasiveness of Mobile Health](#)
- ▶ [Vulnerability Landscape](#)



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Innovative IoMT Protection by Allegro

SECURITY AND CONNECTIVITY FOR IOT DEVICES

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THE ART OF
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Don't Worry About Your Toilet ... I'm Just Hacking It

Thursday, May 9, 2024
12:20 PM – 1:10 PM PT

Event Link

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Participant

Benjamin Schmerler
Senior Solutions Consultant, Independent Security
Evaluators

Related Articles

► [What is a Disaster Recovery Plan](#)



THE ART OF
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Techniques for Automatic Device Identification and Network Assignment

Thursday, May 9, 2024
1:30 PM – 2:20 PM PT

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Participant

Rodney Moseley
Senior Security Program Manager, Microsoft

Related Articles

► [Cybersity BHM program](#)