



ISSA
Information Systems Security Association



Monthly Meeting
March 24, 2021

Central Maryland Chapter Sponsors:
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New Chapter Sponsors



<https://www.optiv.com>

Optiv is a Security Solutions Integrator that enables businesses to build more resilient, risk-based cybersecurity programs. We understand that threat centric outside-in models are antiquated and addressing each new threat with a point solution is inefficient and ineffective. Our end-to-end cybersecurity capabilities span risk management and transformation, cyber digital transformation, threat management, security operations, identity and data management, and integration and innovation; helping organizations realize stronger, simpler and more cost-efficient cybersecurity programs that support business requirements and outcomes. At Optiv, we are modernizing cybersecurity to enable clients to innovate their consumption models, integrate infrastructure and technology to maximize value, achieve measurable outcomes, and realize complete solutions and business alignment. We strive to engage, and share thought leadership within our communities.

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2021-2 CISSP Study Group

Fall 2021



**UMBC Training Center and/or
Virtual via Zoom**

Review and Practice Exam

14 Sessions Total

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Mid-Atlantic Quarterly Meetings



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ISSA-NOVA | Northern Virginia Chapter



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March 18 @ 5:30 pm - 7:00 pm

- National Cybersecurity Budget Priorities and Operational Objectives
- Mark Weatherford and Riley Repko
- National Cybersecurity Budget Priorities and Operational Objectives Mark Weatherford and Riley Repko Join your sister chapters of Central Maryland and DC for a special presentation by two national security experts. **Pre-registration required.**

June 23 @ 5:30-7:00 PM

- Amber Schroader, Paraben Corporation
- Sgt John Bevell (MD State Police) Cyber / Internet Crimes Division).
- FBI Cyber Crimes Division to round out the panel



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National Capital Chapter

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UMBC
TRAINING CENTERS

The UMBC Training Centers is offering free webinar series, covering a variety of skills and career sessions on software development, cybersecurity, leadership, and more.

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ISSA Member Benefits

List of special offers available to members. You will need to login with your member portal credentials to access this page.

<https://www.members.issa.org/page/SpecialOffers>

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New to Cyber Summit 2021 – Live Online

Virtual, US Eastern | Wed, Apr 21, 2021



New to Cyber Summit

**We're opening this virtual Summit to the community!
Register now for FREE**

- In-depth and interactive cyber security talks
- Exclusive virtual networking opportunities with fellow security professionals
- Cybersecurity is all we teach — and nobody does it better!

Free Summit: April 21 | **Summit Chairs:** David Bianco, Phil Hagen

Kickstart Your Security Career

New to cybersecurity, looking for a career change, or just want to enhance your skillset? We can help!

Cybersecurity offers some of the most challenging and well-paying careers around, but by some estimates, up to 35% of cybersecurity jobs are going, unfilled today. The SANS *New to Cyber Summit* will get you started with the skills you need to succeed in the industry. This free online event brings together leading experts eager to share fundamental cybersecurity skills as well as advice on finding and landing that first security job!

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Purple Team Summit | Live Online

Free Summit: May 24-25, 2021

The Purple Team Summit brings together the industry's top practitioners to explore practical uses of threat emulation tactics, detection capabilities, and security controls. Experts will share their own experiences and current purple team concepts that you can implement within your own security program.

Learn more and register now for FREE.

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CloudSecNext

Summit & Training 2021

Live Online 

CloudSecNext Summit | Live Online

Free Summit: June 3-4, 2021

CloudSecNext Summit & Training will bring together a unique combination of real-world user experiences and case studies, as well as practical, technical training focused on specific approaches and skills for building and maintaining a secure cloud infrastructure.

[Learn more and register now for FREE.](#)

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ISSA 2021 Meetings and Events

Date	Speaker	Organization	Topic
March 24, 2021	Avi Rubin	JHU Information Security Institute	Medical Device Security
April 28, 2021	Thomas Byrd	T Rowe Price	Cybersecurity Preparedness and Operational Resiliency
May 11, 2021	Johnathon and Sean	Copper River/VMware	Cloud Security IoT
May 26, 2021	Jennifer Dickens	NOAA	
June 23, 2021	<ul style="list-style-type: none"> • Amber Schroader, Paraben • Sgt John Bevell, MD State Police • FBI Cyber Crimes 	Mid-Atlantic Quarterly Meetings	
July 28, 2021	Mike Raggio	Cloudknox	Cloud Infrastructure Cyber Kill Chain - Threats & Countermeasures
August 25, 2021	Jeremy Druin	Ellisis Infosec	Getting to Know Your Pi-Hole: Implementing Advanced DNS Security at Home and Small Office
September 9, 2021	Terrie Shank	Baltimore Police Dept.	Crime Lab Tour

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April 28, 2021

Thomas Byrd, T. Rowe Price

Thomas Byrd, is the Head of the Cybersecurity Awareness program, Vice-President at T. Rowe Price. He spearheads associate education and risk mitigation efforts to confront current and emerging cyber threats.

Thomas Byrd has served as a Program Coordinator & Adjunct Professor of Cybersecurity at Stevenson University. In that role, he launched several technology modernization efforts to improve the online student learning experience. Thomas serves on the Board of Directors at the Center for Forensics Excellence, which is designed to serve as a model of excellence and support to the field of forensics and will assist in improving equal justice through training, research, publications, and resource sharing. He partnered with the Maryland State's Attorneys' Association (MSAA) and held a training for area prosecutors, police, and support staff. This Forensic Day event included information about forensic interviewing and digital and cyber forensics of IoT devices.

Thomas Byrd has served as a Senior Professional Staff member at Johns Hopkins University – Applied Physics Laboratory in the Critical Infrastructure Protection Group where his practical work, research, and educational pedagogy focus on planning, coordinating, and controlling information security locally, nationally and internationally. Thomas provided executive leadership and the development of technical solutions for core areas of Information Security that include operational, financial, and administrative performance. He provided executive counsel to senior leadership related to cyber security, fiscal administration, Risk Management Framework/DoD Acquisition, Supply Chain Risk Management, IT audit and compliance, cyber law, and legal policy at the Department of Defense (DoD), and the Department of Homeland Security (DHS). Ensuring a systematic approach to selecting, managing, and evaluating IT security investments in accordance with federal and DoD policies, standards, and regulations (e.g. FISMA, FIPS, CNSS, HIPAA/HITECH, NIST, DFARS) was also part of his portfolio.

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Cybersecurity Preparedness and Operational Resiliency

The challenges created by accelerating technological innovation have reached new levels of complexity and scale. Governments, businesses, and academic organizations all face growing security threats against their infrastructures and accordingly it is imperative that organizations integrate Cybersecurity Awareness best practices into business processes and management strategies. Moreover, the cybersecurity posture of an organization is an integral factor in the overall health and viability the institution. Following this qualitative methodology and implementing a multifaceted approach to Cybersecurity Preparedness and Operational Resiliency can be achieved.

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Avi Rubin, JHU Information Security Institute

Dr. Aviel (Avi) D. Rubin is Professor of Computer Science and Technical Director of the Information Security Institute at Johns Hopkins University. He is also the Director of the JHU Health and Medical Security Lab. Prior to joining Hopkins, Rubin was a research scientist at AT&T Labs. He is also the founder of Harbor Labs, a CyberSecurity company. Rubin testified about information security before the U.S. House and Senate on multiple occasions, and he is the author of several books about computer security. Rubin is a frequent keynote speaker at industry and academic conferences, and he delivered a widely viewed TED talk in 2011 and another TED talk in September 2015. He also testified in federal court as an expert witness on numerous occasions in matters relating to high tech litigation. Rubin served as Associate Editor of IEEE Transactions on Information Forensics and Security, Associate Editor of Communications of the ACM (CACM), and an Advisory Board member of Springer's Information Security and Cryptography Book Series. In 2010-2011 Rubin was a Fulbright Scholar at Tel Aviv University. In January 2004 Baltimore Magazine named Rubin a Baltimorean of the Year for his work in safeguarding the integrity of our election process, and he is also the recipient of the 2004 Electronic Frontiers Foundation Pioneer Award. Rubin has a B.S. ('89), M.S.E ('91), and Ph.D. ('94) from the University of Michigan.

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Medical Device Security: A Thing Smart People Do

As the global medical device market has expanded, so too has there been an increasing demand for the cyber professionals necessary to secure these systems and ensure their safe clinical operation. The cybersecurity of medical devices encompasses a unique and diverse set of security disciplines, combining traditional cyber and privacy principles with a knowledge of basic physiology and common clinical functions. This talk explores the rapidly growing field of medical device security and the evolving role of the security professional, with a focus on the relationship between device security, patient safety and regulatory science. Attacker roles and medical device threat models will be examined through real-world examples of medical systems that have undergone rigorous security analyses as part of the regulatory review process. These case studies will illustrate the unique skill set required of the medical device security professional and the important role they play in the medical device market.

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