



ISSA
Information Systems Security Association



Monthly Meeting
August 28, 2024

Central Maryland Chapter Sponsors:
Convergent Federal – DTEX Systems - Gtegrity, Inc. - Leidos



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Board of Directors

- ❖ Bill Smith, Jr., CISSP, GSNA, CEH, GPEN, GCFA, GCFE - President
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VP of Professional Development

The VP of Professional Development will recommend, initiate, and oversee programs for professional development within the area of Information Security to include monthly meetings, security conferences/seminars, and interaction with peer organizations. The VP of Professional Development will work with the VP of Outreach to schedule any speakers identified by that officer during that officer's outreach duties. The VP of Professional Development will also evaluate and organize any career development events.

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ISACA

CompTIA

Certification Continuing Education Units

Responsibility of each member to submit their CEUs

Certificate of Attendance available upon request

EC-Council

SANS

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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>

cloud
CSA security
alliance®



CyberSecurity
PROFESSIONALS

CYBRARY

EC-Council



INFOSEC

INFOSEC * WORLD

KnowBe4
Human error. Conquered.

lawpilots



RSAConference2022
San Francisco & Digital | June 6 - 9



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ISSA Special Interest Groups

<https://www.members.issa.org/general/custom.asp?page=ISSASpecialInterestGroups>

ISSA has many opportunities for members to form and participate in global initiatives and working groups. As a member, you can choose to be active in one or more of these Special Interest Groups (SIG).

Women in Security Special Interest Groups

Mission: Develop global women leaders and build a stronger community to create a compelling environment around cybersecurity and technology.

Privacy Special Interest Group (SIG)

This group is dedicated to providing privacy relevant topics to security professionals through thought leadership and a knowledge-sharing platform. The Privacy SIG will be hosting quarterly webinars and providing concise and timely privacy-related information.

Cyber Resilience Special Interest Group (SIG)

Mission: Build a global community of Cyber Resilience professionals in order to share actionable best practices to protect our organizations from cyber-attacks on high value assets.

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2023 ISSA International Election



Newly Elected ISSA International Board Members



Connie Mathews

Central Ohio Chapter

Newly Elected ISSA International Board Member



Gene McGowan

Denver Chapter

Newly Elected ISSA International Board Member



John Johnson

Chicago Chapter

Newly Elected ISSA International Board Member

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Free Security Training

- **Fortinet - Advanced training for security professionals, Technical training for IT professionals, and Awareness training for teleworkers:**
<https://www.fortinet.com/training/cybersecurity-professionals.html>
- **Cambridge - Software and Security Engineering:**
<https://www.cl.cam.ac.uk/teaching/1920/SWSecEng/materials.html>
- **Palo Alto Network - Free Cybersecurity Education for ALL:** <https://www.linkedin.com/pulse/free-cybersecurity-education-all-florian-buijs/>
- **6 Free Cybersecurity Training and Awareness Courses:**
<https://www.darkreading.com/threat-intelligence/6-free-cybersecurity-training-and-awareness-courses/d/d-id/1337781>
- **Cybrary Makes 500+ Hours of Premium Training Content Free to Address Cybersecurity Skills Shortage:** <https://www.cybrary.it/blog/500-hours-free-content-to-address-cybersecurity-skills-shortage/>

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GitHub - cloudcommunity/Free-Certifications: A curated list of free courses & certifications.

A curated list of free courses & certifications. Contribute to cloudcommunity/Free-Certifications development by creating an account on GitHub.

github.com

https://github.com/cloudcommunity/Free-Certifications?utm_source=tldrnewsletter

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Free AI Courses



Paul Storm on LinkedIn: #ai #digitaltransformation
#technology #future | 595 comments

Google, Harvard, and more are offering FREE AI courses (no payment required) Here are 8 FREE courses to master AI in 2024: 1. Google AI Courses
Google... | 595 comments on LinkedIn

www.linkedin.com

https://www.linkedin.com/feed/update/urn:li:activity:7191104047788032001?updateEntityUrn=urn%3Ali%3Afs_updateV2%3A%28urn%3Ali%3Aactivity%3A7191104047788032001%2CFEED_DETAIL%2CEMPTY%2CDEFAULT%2Cfalse%29

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Free AI Courses

- **Microsoft - AI For Beginners Curriculum**
<https://lnkd.in/efYVSKQk>
- **OpenAI Prompt Engineering**
<https://lnkd.in/eayvTP3u>
- **ChatGPT Prompt Engineering for Developers**
<https://lnkd.in/ecbRHiPe>
- **Introduction to Artificial Intelligence**
<https://lnkd.in/eSxvScgJ>
- **What Is Generative AI?**
https://lnkd.in/eX7TPa_U
- **Using Azure OpenAI Service**
https://lnkd.in/ebs_YTSG
- **Generative AI: The Evolution of Thoughtful Online Search**
<https://lnkd.in/eKAvkN4Y>
- **Streamlining Your Work with Microsoft Bing Chat (now Copilot)**
<https://lnkd.in/eNy5bjTF>

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FREE Cyber Security Certifications/Training

- 1. [Introduction to Cybersecurity](#)
- 2. [Cybersecurity Essentials](#)
- 3. [Networking Essentials](#)
- 4. [Intro to Information Security](#)
- 5. [Network Security](#)
- 6. [NSE 1,2 & 3](#)
- 7. [Information Security](#)
- 8. [Network Security](#)
- 9. [Risk Management](#)
- 10. [Certified in Cybersecurity](#)
- 11. [CCNA Security Courses](#)
- 12. [Network Defense Essentials \(NDE\)](#)
- 13. [Ethical Hacking Essentials \(EHE\)](#)
- 14. [Digital Forensics Essentials \(DFE\)](#)
- 15. [Dark Web, Anonymity, and Cryptocurrency](#)
- 16. [Digital Forensics by Open Learn](#)
- 17. [AWS Cloud Certifications \(Cybersecurity\)](#)
- 18. [Microsoft Learn for Azure](#)
- 19. [Google Cloud Training](#)
- 20. [Android Bug Bounty Hunting: Hunt Like a Rat](#)
- 21. [Vulnerability Management](#)
- 22. [Software Security](#)
- 23. [Developing Secure Software](#)
- 24. [PortSwigger Web Hacking](#)
- 25. [RedTeaming](#)
- 26. [Splunk](#)
- 27. [Secure Software Development](#)
- 28. [Maryland Software Security](#)
- 29. [Cyber Threat Intelligence](#)

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Upcoming Summits



Summit & Training events provide an immersive training experience that arms attendees with deep-knowledge and actionable information and has a lasting impact on their careers and their organization's security programs. <https://www.sans.org/cyber-security-summit>

Event	Location	Dates
Digital Forensics & Incident Response (DFIR) Summit & Training	Salt Lake City, UT & Virtual	Summit: Aug 22-23 Training: Aug 24-29
AI Cybersecurity Summit	Las Vegas, NV & Virtual	Summit: Sept 8-9
CloudSecNext Summit & Training	Denver, CO & Virtual	Summit: Sept 30-Oct 1 Training: Oct 1-7
HackFest Hollywood Summit & Training	Hollywood, CA & Virtual	Summit: Oct 28-29 Training: Oct 30 – Nov 4
ICS Security Summit & Training 2025	Orlando, FL & Virtual	Summit: June 16-17 Training: June 18-23

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Free Training in AI courtesy of NVIDIA.

1. Generative AI Explained - • Generative AI and how it works. • Various Generative AI applications. • Challenges and opportunities in Generative AI - Link: <https://lnkd.in/gTAJ-sKa>
2. Building A Brain in 10 Minutes - • Exploring how neural networks use data to learn • Understanding the math behind a neuron - Link: <https://lnkd.in/gvVrqwZF>
3. Augment your LLM with Retrieval Augmented Generation - • Basics of Retrieval Augmented Generation • RAG retrieval process • NVIDIA AI Foundations and RAG model components - Link: <https://lnkd.in/g8hYube9>
4. AI in the Data Center - • AI use cases, Machine Learning, Deep Learning, and their workflows. • GPU architecture and its impact on AI. • Deep learning frameworks, and deployment considerations - Link: <https://lnkd.in/gvNzawxe>
5. Accelerate Data Science Workflows with Zero Code Changes - • Learn benefits of unified CPU and GPU workflows • GPU-accelerate data processing and ML without code changes • Experience faster processing times - Link: <https://lnkd.in/gRmxxVn8>
6. Mastering Recommender Systems - • Strategies from Kaggle Grandmasters on building recommendation systems for e-commerce. • Cover 2-stage models, candidate generation, feature engineering, and ensembling - Link: <https://lnkd.in/gdHTJbVS>
7. Networking Introduction - • Learn about networks and their importance. • Explore Ethernet basics and data forwarding in Ethernet networks. • Discuss network components, requirements, OSI model, TCP/IP protocol - Link: <https://lnkd.in/gqX2CJM>
8. How to Perform Large-Scale Image Classification - • Learn large-scale image classification • Cover challenges, modeling techniques AND validation strategies. - Link: <https://lnkd.in/gWRSha8P>



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ISSA Central MD 2023 Meetings and Events

Date	Speaker	Organization	Topic
August 28, 2024	Nick Oles		Midwest To The Middle East: Targeted Security Program Tips for an Evolving Cyber Battlefield
September 25, 2024	Jordan Miller	Boeing	
October 23, 2024	Anuja Sonalker	SteerTech	Autonomous Vehicle Cybersecurity
November 20, 2024	Guidepoint		
December 18, 2024	Ekrem Emeksiz		E-Voting

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Nick Oles

Nick Oles is a cybersecurity expert with over 15 years of operational experience in military, industry, and academic environments. He has worked on incident response and threat hunting teams and consulted with Fortune 150 organizations, small businesses, and US Department of Defense entities. Nick has served his country for over a decade in the cyber and special operations communities, earning multiple military accolades, completing worldwide deployments, and serving in joint special operations environments. He has advised award-winning academic centers on cyber-program development and management, as well as created and taught academic and certification courses on a variety of cybersecurity topics. Nick has detected, analyzed, and responded to thousands of security incidents over his career. He continues to actively contribute to the cybersecurity community and teach students at all skill levels while still serving his country.

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Midwest To The Middle East: Targeted Security Program Tips for an Evolving Cyber Battlefield

Nick Oles is a cybersecurity professional, published author, and veteran of the cyber and special operations communities. He's collected tips and tricks to help your program hits its mark and actually manages risk. In this talk he'll share actionable advice applicable to programs of all shapes and sizes that can help take you to next level. Attend this talk, steal some ideas, and be a genius at your next meeting.

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