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ISSA
Information Systems Security Association

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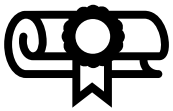
Central Maryland Chapter



Happy Birthday

INFORMATION SYSTEMS SECURITY ASSOCIATION, INC.

CHAPTER APPLICATION

PHASE I

Thank you for expressing an interest in forming a local chapter of Information Systems Security Association, Incorporated (ISSA). The following Phase I Chapter Application should be completed and returned to:

Information Systems Security Association, Inc.
P. O. Box 71926
Los Angeles, CA 90071

Requested Name of Chapter (e.g., Los Angeles Chapter): BALTIMORE METROPOLITAN CHAPTER

Date of Application: August 5, 1985

A. COMPLETE THIS SECTION ONLY IF YOU ARE INITIALLY FORMING A LOCAL CHAPTER OF ISSA: (Please type, use additional sheets if required)

1. List the principal local organizer(s) of the organization:

NAME	COMPANY	BUS. PHONE

2. Date, place and time of which the first general meeting was, or is planned to be held: _____

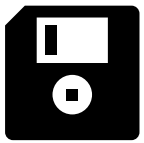
B. COMPLETE THIS SECTION ONLY IF YOUR ORGANIZATION IS ALREADY IN EXISTENCE: (Please type, use additional sheets if required)

1. List the principal local organizer(s) of the organization:

NAME	COMPANY	BUS. PHONE
Halmer D. Haag	First Maryland Bancorp	301-244-3807
Terry Webb	Alexander & Alexander	301-296-3300 x2463
Tully Sullivan	U S F & G	301-578-4573

Baltimore Metropolitan Chapter
ISSA Central Maryland Chapter

Charter Application: August 15, 1985



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ISSA Fellows Program

Senior Member
Fellow
Distinguished Fellow

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Congratulations to ISSA's 2020 Distinguished Fellow Inductee!

William Smith, Jr.

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clearswift

tenable network security

LogRhythm™ The Security Intelligence Company

UMBC TRAINING CENTERS

PARSONS

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Call for Volunteers

We have opportunities available for non-board positions:

- Event Coordinator to coordinate events and workshops,
  - i.e. Cybersecurity Trivia Night
- Study Group Facilitator to prepare candidates for the certification exams like Security+, CISM, etc.

If interested, or for more information, please contact a board member.

Election of Officers

November 18, 2020, Performed on-line virtually

- President: Bill Smith, Jr.
- VP Education: Kevin Newman
- VP Membership: Steve Chan
- VP Outreach: Open
- VP Professional Development: Open

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Central Maryland Chapter

2021-1 CISSP Study Group

CISSP®

Start: February 16, 2021
End: May 18, 2021
UMBC Training Center and/or
Virtual via Zoom

Review and Practice Exam

14 Sessions Total

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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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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

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

"Lunch and Learn“
December 16, 2020 12:00 to 1:00

O365 Lecture Abstract: We'll navigate through uncharted security territory by analyzing the attack lifecycle in the cloud and dissecting a real-world attack. The same technology that makes the cloud dynamic can have the opposite effect on an organization’s ability to implement detection and response in cloud environments. This includes the adding additional layer of preventative controls in addition to MFA, because it's increasingly being bypassed in O365 as an example. Chris Morales, Head of Analytics with Vectra, will help us navigate through the uncharted security territory by analyzing the attack lifecycle in the cloud, reviewing the top cloud security threats, and dissecting a real-world cloud attack. Additionally, he'll provide key takeaways for managing access, detection and response, and security operations.

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ISSA 2020 Meetings and Events

Date	Speaker	Organization	Topic
November 18, 2020	Dr. Tomas Pena	L3 Harris Technologies	Roles of AI and Deep Learning in Data Exfiltration
December 16, 2020	James Honeycutt		PowerShell JEA
January 27, 2020		Red Canary	
February 24, 2020			

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Central Maryland Chapter

December 16, 2020

Sponsored by:

https://redcanary.com/

Red Canary was founded to create a world where every organization can make its greatest impact without fear of cyber attacks. As a security operations ally, we arm organizations of all sizes with outcome-focused solutions to quickly identify and shut down attacks before they become a breach.

Red Canary analyzes endpoint telemetry with our cloud-based software detection engine composed of thousands of behavioral analytic use cases to surface potential threats to the Red Canary CIRT via our proprietary analyst workbench. Once a threat is confirmed it can be viewed in the Red Canary Portal and any configured automated actions are executed.

December 16, 2020

James Honeycutt

James is a dedicated cybersecurity professional who enjoys scripting and participating in capture the flags. He has served over 20 years in the military in various technical and leadership positions. He is part of a Cyber Protection Team and serve as the Microsoft Windows Expert. In past assignments, he served as the OIC (Officer in Charge) of both the battalion IT shop and brigade logistics IT shop, he was the "technology adviser to the Commander". He has also served as a systems administrator, helpdesk manager, and classroom support tech. Some of his additional duties included being an Information Assurance Manager Alternate and Network Admin backup.

James is working as a SANs Mentor and TrilogyEd TA. For SANs, he is mentoring SEC505 (Securing Windows and PowerShell Automation) and SEC511 (Continuous Monitoring and Security Operations) and for TrilogyEd, He is TA'ing a Cyber Security Bootcamp

During his career, James has been known as the "go-to guy" for IT questions and problems by his directors, commanders, and peers. He has received numerous awards for his work and knowledge, to include several Meritorious Service Medals and Company Grade Officer of the Year for the state of Arkansas. He has a Bachelors of Science in Management in Information Systems. James holds the following certifications: CISSP, VCP5-DCV, GWAPT, GPYC, GMON, GCWN, GPEN, GCIA, GCIH, GCFA, GSEC, GSNA, SEC +, C|EH

December 16, 2020

PowerShell JEA Abstract

PowerShell JEA allows us Systems Administrators to empower our fellow admins, developers, and security personal to accomplish what they need to on our systems. Give them just enough administrative permissions to accomplish their duties without interrupting your day or night. This talk shows how to assign roles and give the appropriate permissions to those roles.

ISSA Information Systems Security Association Central Maryland Chapter

November 18, 2020

Dr. Tomas Pena
L3 Harris Technologies

Dr. Tomas Pena is the Chief Technologist for Cyber Operations at L3Harris Technologies' Space and Airborne Systems Segment. In that role, he's responsible for cyber innovation and improving the resiliency of company products spanning land, sea, air, space, and cyber domains. He's been in cyber-related systems engineering and defense contracting positions since 2013. Prior to that time, he completed 20 years of service in the United States Air Force as a Cyberspace Operations Officer where he organized, planned, executed full-spectrum cyberspace operations, stood up the United States Cyber Command's 24/7 Joint Operations Center, and led Air Force Business Transformation Initiatives at the Pentagon. Dr. Pena has also filled roles such as managing the Global Positioning System satellite control systems, managing theater communications during Operations IRAQI FREEDOM and ENDURING FREEDOM. He is also the Founder and President of Parallax Cyber LLC, a small business focused on training and educating the workforce in Cybersecurity and Cyber Conflict, and the current Editor-in-Chief of the Military Cyber Professional Associations' Military Cyber Affairs Journal.

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November 18, 2020

Roles of Artificial Intelligence and Deep Learning in Detecting Data Exfiltration

Essential Internet services are vital for many aspects of modern living, yet those services remain valuable to threat actors who use them for network intrusions and data exfiltration. Dr. Pena completed a quantitative research study analyzing the ability of a Convolutional Neural Network (CNN) to detect Domain Name System (DNS) covert communications generated by the DNSExfiltrator open source tool. The results showed the CNN model had100% accuracy when exfiltrated file sizes exceeded 2 Kilobytes (KB) using the default (maximum) transmission packet size, but its performance fell dramatically for files below 1 KB in size.

As AI/ML solutions become more prevalent in cybersecurity tools, professionals must understand where a model's strengths and weaknesses lay in order to apply appropriate risk mitigations, such as tuning complimentary detection systems.