WORKSHOP SESSION TITLES, SUMMARIES AND SPEAKER BIOS

Mr. Dom Glavach
Chief Security and Technology Officer CyberSN

Session Title: Cloud Security Telemetry

Session Summary: This session provides an overview of Amazon Web Services (AWS), including key terminology and services. The talk introduces necessary configurations to perform threat detection in the cloud such as log telemetry, analysis, and visualization as well as an introduction to common threat hunting techniques.

Speaker Bio: Dom Glavach is the chief security officer and chief security strategist at CyberSN. In this executive role, he is responsible for leading the company's information security strategy, policy, IT operations, security engineering, security operations, data privacy, and cyber threat detection. Prior to CyberSN, Glavach spent 20 years working with Concurrent Technologies Corporation, where he served as the chief information security officer and research fellow. He played a critical role in the company's cyber risk management, providing cyber technical leadership and subject matter expertise to commercial and government clients. Glavach is a CISSP, an active member of the Armed Forces Communications and Electronics Association Cyber Committee, chairs a subcommittee on Vehicle and Embedded Systems Cyber Security, and mentors at cybersecurity meet-ups. He has presented on various security topics to a wide range of public and government audiences, including the National Institute of Standards and Technology and the National Security Agency.

Dr. Xin-Wen Wu
Associate Professor of Computer Science University of Mary Washington

Session Title: Beyond Confidentiality: How Modern Cryptography is Used to Protect Our Data and Cyberspace.

Session Summary: Modern cryptography, including symmetric ciphers, asymmetric crypto algorithms, and secure hash algorithms, provides powerful tools to protect cyberspace as well as users. When being used properly, advanced cryptography ensures confidentiality, integrity, and beyond. In this workshop, we will introduce algorithmic concepts of the most commonly used cryptographic protocols. Interesting examples and hands-on activities will be offered to help understand the concepts.

Speaker Bio: Xin-wen Wu, Ph.D., has been working in cybersecurity and various related areas as a researcher and educator over the last two decades. He has published two books, a monograph, and numerous research articles in reputable journals and international conferences. Dr. Wu is a faculty member at the University of Mary Washington currently. He was also affiliated with Indiana University of Pennsylvania, extending his academic experience at several research-focused universities including the University of California at San Diego and the University of Melbourne in Australia.

Mr. James Rice
Lead Cybersecurity Instructor Mohawk Valley Comm. College

Session Title: Interactive Journey Developing the NCAE Cyber Sandbox and Beyond

Session Summary: Leading up to the NCAE National Competition grant and upon MVCC receiving the award, James spearheaded the effort to have an educational environment as a priority alongside the delivery of the competitions themselves. In this workshop session, James walks through a brief history of working in this space, leveraging the NCAE Cyber Sandbox in the classroom, and unveils other new collaborative learning platforms coming to the Sandbox and beyond the NCAE grant.

Speaker Bio: James has been with MVCC, starting as an adjunct professor in 2011 and becoming a full-time cybersecurity instructor at the beginning of 2017. While teaching as an adjunct for MVCC, James worked full-time as a cybersecurity analyst for Quanterion Solutions Inc., a cybersecurity and reliability engineering-focused Department of Defense contractor. During this time, he has focused on delivering dynamic learning content and environments via various forms of media, including scenarios and games. He holds a bachelor's degree in mathematics from SUNY Albany and a master's degree in cybersecurity from Utica University.

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WORKSHOP SCHEDULE

9:00 - 9:10 am
Dr. Waleed Farag
The PC4A Project and Workshop Logistics

9:10 - 10:50 am
Mr. Dom Glavach
Cloud Security Telemetry

10:50 - 11:00 am
Morning Break

11:00 - 12:40 pm
Dr. Xin-Wen Wu
Beyond Confidentiality: How Modern Cryptography is Used to Protect Our Data and Cyberspace.

12:40 - 1:20 pm
Lunch Break

1:20 - 3:00 pm
Mr. James Rice
Interactive Journey Developing the NCAE Cyber Sandbox and Beyond

ABOUT PC4A

IUP, in partnership with six community colleges across Pennsylvania has been awarded a substantial grant from the US Department of Defense with the increasingly important goal of supporting and strengthening the cybersecurity workforce in our country.

Project Objectives

- Increase Certification Rates
- Increase Transfers to 4 Year Institutions
- Increase Interest in DoD/DIB Employment

Contact Information:
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PA Community College
Consortium Cooperative Agreement

FACULTY PROFESSIONAL DEVELOPMENT WORKSHOP

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