

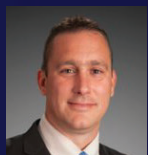
## BIO INFO CONTINUED

### Raju Namburu, Chief Technology Officer, US Army Information Technology Laboratory



Raju Namburu is CTO for Information Technology Laboratory's computational sciences and engineering. In this role, he provides directions to DoD HPC Modernization Office, computational sciences and engineering, and cyber research and development programs. Namburu represents DoD as a member of the US National Science and Technology Council subcommittee for the future advanced computing echo system. Prior to coming to ITL, Namburu was chief scientist, division chief, Computational Sciences Division, and director, DoD Supercomputing Resource Center at the Computational and Information Sciences Directorate, US Army Research Laboratory. Namburu led various DoD scalable software development projects in computational sciences, including establishing DoD mobile network modeling institute. Namburu obtained his PhD in mechanical engineering from the University of Minnesota. During his career, Namburu has worked at IBM Almaden Research Lab, Cray Research, and various US Army research, development, and engineering labs. Namburu has more than 100 refereed publications in journals and has presented at international conferences and symposiums. Namburu is a Fellow of American Society of Mechanical Engineers.

### Dom Glavach, Chief Security and Technology Officer, CyberSN



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.

## GUEST SPEAKER TITLES AND ABSTRACTS

### *Cyber Security Workforce Development and the Department of Defense*

**Presenters:** Louie Lopez, Star Hardison

**Abstract:** DoD STEM's mission is to inspire, cultivate, and develop exceptional STEM talent through a continuum of opportunities to enrich our current and future Department of Defense workforce poised to tackle evolving defense technological challenges. By inspiring new and future talent in Science, Technology, Engineering and Mathematics (STEM) fields, we are poised to prepare the next generation for the ever changing landscapes of threats that our nation may face, and cyber security is one such field. DoD is the largest employer of scientists and engineers in the federal government with over 60 Defense Laboratories and Engineering Centers at more than 200 locations across the country. There are nearly 300,000 STEM professionals, with about 60,000 of the STEM workforce doing research at our Labs and Centers. In order to maintain our Nation's competitive advantage, we require a diverse and sustainable STEM talent pool. We will discuss broadly the cyber security workforce needs for the Department of Defense.

### *Panel Discussion: Building IT and Cybersecurity Careers; from Student to Executive*

**Presenters:** Tom Dugas, Bill Ballint, Todd Cunningham

**Abstract:** This panel discussion will provide attendees with key personal experiences, important career decisions, and tips taken from their careers spanning from undergraduates through the career ladder to their current executive-level roles.

### *Advanced Computing Ecosystem and Cyber Analytics*

**Presenter:** Raju Namburu

**Abstract:** Advanced computing ecosystem is rapidly evolving across multiple dimensions due to the introduction of new and potentially disruptive technologies and paradigms, increased hardware heterogeneity, internet of battlefield things, data volumes, software complexity, cyber challenges, and novel approaches such as those based on AI and ML. Now, and even more so in the future, the battlespace is characterized by highly distributed processing, heterogeneous and mobile assets with limited power, communications-dominated but restricted network capacity, and operating with time-critical needs in a rapidly changing hostile cyber environment. Predictive data-intensive electromagnetic cyber analytics leveraging data from numerous sources, advanced computing ecosystem, and robust AI/ML algorithms will allow rapid and decisive action on the emerging DoD multi-domain battlefield. In this talk, I will discuss this topic including cyber programs within our lab and related research directions. I will briefly highlight summer internship opportunities within our lab.

### *An Executive Perspective of Cybersecurity*

**Presenter:** Susan Koski

**Abstract:** Susan Koski, one of the region's most prominent Chief Information Security Officers (CISO), will provide her perspectives on cybersecurity-related topics. The talk will reflect on Susan's established expertise in the field as the CISO at PNC and Pittsburgh CISO of the Year among the region's largest corporations. Susan was recently featured in Cybercrime Magazine and presented at the prestigious RSA Conference. Her expertise spans much of the cybersecurity industry.

### *Clean Up on Aisle 4: Active Cyber Defenses*

**Presenter:** Dom Glavach

**Abstract:** Today's cyber industry is flush with an array of protective solutions, spanning from Multi-Factor Authentication (MFA) to AI-powered Attack Surface Management tools. Yet, with all these technological advancements, adversaries continue to hide in plain sight, often exploiting the very complexities that were meant to thwart them. As regulatory bodies like the SEC intensify the requirements for swifter and more detailed incident reporting, and with the rapid adoptions of evolving technologies coupled with the continually shifting threat landscape demands more than just conventional detection and response mechanisms - proactive threat hunting. This session discusses the essential techniques of threat hunting, shedding light on the nuances of actively seeking out hidden adversaries beyond the existing and traditional cyber defenses. Attendees will be introduced to open-source tools and a career path to the world of threat hunting

### *National Cybersecurity Awareness Month 2023 – How To Stay Safe Online*

**Presenter:** Derek Mueller

**Abstract:** Technology is part of everything that makes our life function—from the classroom to the office, from financial transactions to how we travel to how we communicate with family and friends. Cybersecurity and Infrastructure Security Agency (CISA) launched the Secure Our World program, a new and enduring cybersecurity awareness program aimed at engaging audiences and emphasizing the four simple steps everyone should implement and continuously improve upon. The brief will provide resources and specific examples on steps to take to keep our devices, such as computers, phones, tablets, and other connected devices, safe and secure. The brief will also aim to educate the audience on how to stay safe online by encouraging action and driving behavior change and incorporate many of CISA's other awareness products and initiatives.



# THE 16TH ANNUAL CYBERSECURITY DAY AT IUP

OCTOBER 31, 2023

OHIO HUB  
IUP MAIN CAMPUS





# CYBERSECURITY DAY AT IUP

TIME SLOT	SESSION TITLE AND PRESENTER
9:00 AM to 9:02 AM	<b>Introduction to the 16th Annual Cybersecurity Day at IUP.</b> Waleed Farag, Director, IUP Institute for Cybersecurity, Professor of Computer Science
9:02 AM to 9:07 AM	<b>Opening Remarks</b> Steven Hovan, Dean, Kopchick College of Natural Sciences and Mathematics
9:07 AM to 9:10 AM	<b>Welcome Message</b> Timothy Flowers, Chair, Department of Mathematical and Computer Sciences
9:10 AM to 9:20 AM	<b>Event History, ICS Work, Recent Achievements, and Logistics</b> Waleed Farag, Director, Institute for Cybersecurity, Professor of Computer Science
9:20 AM to 10:05 AM	<b>Cybersecurity Workforce Development and the Department of Defense</b> Louie Lopez, Director of STEM, US Department of Defense and Star Hardison, Chief of Cyber Workforce Governance Branch, US Department of Defense
10:15 AM to 11:00 AM	<b>National Cybersecurity Awareness Month 2023 - How to Stay Safe Online</b> Derek Mueller, Cyber Security Advisor, US Department of Homeland Security's Cybersecurity and Infrastructure Security Agency
11:10 AM to 11:55 AM	<b>Panel Discussion: Building IT and Cybersecurity Careers; From Student to Executive</b> Tom Dugas, Associate VP and Chief Information Security Officer, Duquesne University, Bill Balint, Chief Information Officer, Indiana University of PA, and Todd Cunningham, Executive Director of Information Technology Services, Indiana University of PA
11:55 AM to 1:00 PM	Lunch Break
1:00 PM to 1:05 PM	<b>Welcome Back and Afternoon Logistics</b> Waleed Farag, Director, IUP Institute for Cybersecurity, Professor of Computer Science
1:05 PM to 1:10 PM	<b>President's Remarks</b> Michael Driscoll, President, Indiana University of PA
1:10 PM to 1:55 PM	<b>An Executive Perspective on Cybersecurity</b> Susan Koski, Chief Information Security Officer, The PNC Financial Services Group
2:05 PM to 2:50 PM	<b>Advanced Computing Ecosystem and Cyber Analytics</b> Raju Namburu, Chief Technology Officer, US Army Information Technology Laboratory
2:50 PM to 3:05 PM	Afternoon Break
3:05 PM to 3:50 PM	<b>Clean Up on Aisle 4: Active Cyber Defenses</b> Dom Glavach, Chief Security and Technology Officer, CyberSN
3:50 PM to 4:00 PM	<b>Event Conclusion</b> Waleed Farag, Director, IUP Institute for Cybersecurity, Professor of Computer Science

## BIOGRAPHICAL INFORMATION ON GUEST SPEAKERS

### Louie Lopez, Director, US Department of Defense Science, Technology, Engineering and Mathematics



Mr. Lopez is the Director of the Department of Defense's Science, Technology, Engineering and Mathematics Education and Outreach office, also known as DoD STEM, located in the Office of the Undersecretary of Defense in Research and Engineering's Science and Technology Foundations Office. Mr. Lopez is responsible for the management and execution of the Department's Pre-K through Post-Secondary STEM efforts under the National Defense Education Program (NDEP).

### Wistar (Star) Hardison, Chief of Cyber Workforce Governance Branch, US Department of Defense



Ms. Star Hardison is the Chief of Cyber Workforce Governance Branch for the Department of Defense (DoD) Chief Information Office in Arlington, Virginia. In this role, she oversees the policy that governs efforts to identify, recruit, retain, and develop an effective and agile Cyber Workforce. A graduate of Villanova University and a proud veteran with 26 years in the U.S. Navy, she's made significant contributions both in service and in her community.

### Derek Mueller, Cyber Security Advisor, US Department of Homeland Security's Cybersecurity and Infrastructure Security Agency



Derek Mueller serves as the Cyber Security Advisor, Cyber State Coordinator for Pennsylvania at the U.S. Department of Homeland Security's Cybersecurity and Infrastructure Security Agency (CISA), where he leads the effort to protect and advance the resilience of the nation's cyber infrastructure within the critical infrastructure while working with federal, state, local, and other stakeholders to maximize collaboration and minimize risk on matters of homeland security or emergency management.

### Bill Balint, Chief Information Officer, Indiana University of Pennsylvania



Bill Balint has 34 years of IT experience and became IUP's chief information officer in 2006. Bill has presented at more than 50 industry events at the regional, state, national, and international levels and has authored, co-authored, or been interviewed for more than 35 publications and websites via written, audio, and video formats. He is also a member of the Pittsburgh Executive CIO governing board

### Tom Dugas, Associate Vice President and Chief Information Security Officer, Duquesne University



Tom Dugas is responsible for leading the information (cyber) security program to protect the availability, confidentiality, and integrity of data and systems at Duquesne University. Tom is a certified information systems security professional and is a graduate of Robert Morris University with a master's degree in communication and information systems and a bachelor's degree in business administration with majors in accounting and management information systems. In 2019, Tom was recognized as the CISO of the Year by the Pittsburgh Technology Council. Tom serves as a leader within the region as a co-leader of the Greater Pittsburgh CISO Group, a member of the Advisory Board for the Pittsburgh CIO Forum, and part of the Governing Body of the Pittsburgh CIO Executive Summit.

### Susan Koski, Chief Information Security Officer, The PNC Financial Services Group



Susan Koski serves as the Chief Information Security Officer (CISO) and Head of Enterprise Information Security for The PNC Financial Services Group. She is a 2023 Pittsburgh CISO of the Year winner and is a nationally recognized CISO in the financial services sector. She has presented at many major events and has appeared on various video and podcast programs. She is featured in the 2021 book entitled "Fight Fire with Fire: Proactive Cybersecurity Strategies for Today's Leaders". Among her many achievements is converging cyber, physical, fraud and insider monitoring into PNC's 24x7x365 Global Security Fusion Center. Susan is a Governing Board member for the Evanta Pittsburgh CIO & CISO Executive Summit and related program and is a leader in the Pittsburgh Technology Council community. She earned a bachelor's degree in electrical engineering from the University of Pittsburgh and a Master's in Business Administration from Duquesne University.

### Todd Cunningham, Executive Director, IT Services, Indiana University of PA



Todd Cunningham is responsible for the operational management and leadership of the IT Services organization at IUP. This includes the oversight of enterprise systems, network, cloud, mobile devices, customer service, etc. He has over 30 years of experience in IT and has been in his current role since 2006.

**For more information about Cybersecurity Day at IUP, please contact Dr. Waleed Farag, Director, Institute for Cybersecurity, at farag@iup.edu, 724-357-7995.**