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CAE Forum



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About the CAE Forum

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Topic: CAE Forum's Personal Meeting Room

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CAE Forum Event Recordings and Documents

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Upcoming Events

2020 CAE Virtual Career Fair

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CAE Spotlight



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Paul Wagner

Paul is currently an Assistant Professor of Practice for the University of Arizona's Cyber Operations Program. Prior to working with the University of Arizona, Paul spent 20 years in the Army where he developed his knowledge in computer networking and designing robust network architectures to support global operations in support of national and joint operations. He has almost ten years of direct experience as a Signal Officer supporting combat operations for combat units, combat support hospitals, and satellite communications units. His expertise is in establishing diverse architectures in environments with limited or no organic networking and communication resources or infrastructure.

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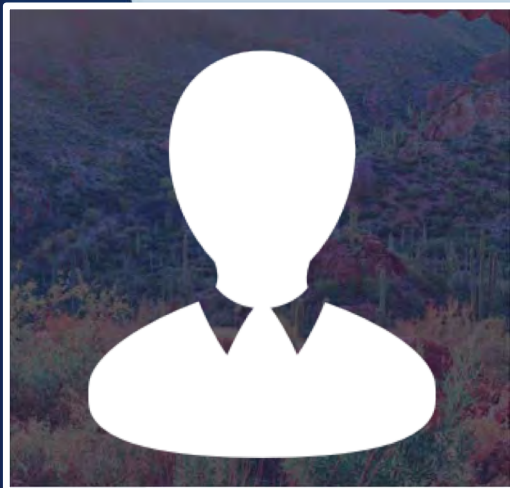
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Jason Denno

Jason Denno is the Director of Cyber, Intel and Information Operations at the University of Arizona. Mr. Denno's experience includes over twenty years of designing, developing, deploying, and operating intelligence and cyber systems across the globe. His professional experience includes senior level positions in both large and small defense contracting companies; the Director of the Battle Command Battle Lab for Fort Huachuca; and he is a former US Army Infantry and Signals Intelligence officer. In addition to a Master's of Science in Cyber Operations, MBA, and BA in Political Science, Mr. Denno possesses multiple GIAC certifications in Cyber Operations.

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CAE Tech Talk



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March 12-14, 2020 in Denver (Aurora), CO

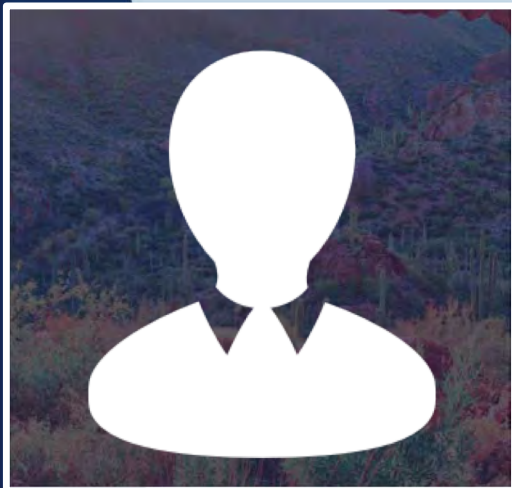
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For more information, please visit <https://www.wicys.org/conference>.

Fastpitch



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Kyle Jones

He worked in the IT field for over 15 years before coming to education. Mr. Jones holds a CompTIA Strata, A+, Network+, Security+ certification as well as an ITIL Foundations. He holds an Associate's in Network Engineering from Southern State, a Bachelor's of Business from Wilmington College, and a Master's degree in Information Assurance and Security from American Public University. He is a CAE2Y Principal Investigator and serves as the coordination and curriculum specialist for Sinclair's CIS 2640 Network Security class. In addition, Mr. Jones has been featured as a public speaker on cybersecurity topics. Most recently, he participated in a round table discussion hosted by the Dayton Business Journal on the present landscape of cybersecurity, and he was featured on WDTN Dayton-Channel 2 in a vignette about "Good Cyber Hygiene." His previous work experience ranges from working for small PC repair shops to Fortune 500 Data centers.

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Guillermo Francia, III

Dr. Guillermo A. Francia, III received his Ph.D. in Computer Science from New Mexico Tech. His research interests include embedded and industrial control systems security, vehicular network security, machine learning, and unmanned aerial vehicle security. He is a two-time recipient of a Fulbright award related to cybersecurity projects (UK, 2017 and Malta, 2007) and is the 2018 winner of the National CyberWatch Center Innovations in Cybersecurity Education award. He has successfully managed research projects funded by federal, state, and private institutions. In July 2019, he received an appointment as Commissioner of the Computing Accreditation Commission of ABET. Currently, Dr. Francia is serving as Faculty Scholar and Professor at the UWF Center for Cybersecurity.

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Agnes Hui Chan

Professor Chan received her PhD in mathematics and joined the Northeastern University faculty in 1977. She retired from the University in fall 2018 and is now Professor Emeritus in the Khoury College of Computer and Information Science at Northeastern. She remains active working on projects involving educating and producing a skilled workforce in cybersecurity. Her research focuses on cryptography and communication security. She works on fast, efficient authentication algorithms for small mobile devices. More recently, she focuses on cybersecurity workforce.

Professor Chan holds two patents on stream ciphers. She has published widely in IEEE conferences and journals, as well as in Crypto and Eurocrypt. She was awarded the Distinguished Educator Award presented at CISSE in 2016. Professor Chan is also active in promoting women in sciences, in particular, she has participated as an invited speaker at NSA's "Women in Mathematics" and "Alumni Mathematicians" at Smith College.

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Community Quarterly Newsletter



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It highlights events and news of interest to the community.

For more information, please go to <http://bit.ly/communityquarterly>.

Fastpitch



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Mark Thompson

Dr. Mark Thompson earned his Ph.D. from Louisiana Tech University in Computational Analysis and Modeling, an interdisciplinary program in mathematics, computer science, and statistics with a focus in cybersecurity. He has been teaching in the computer science field for over 14 years and is affiliated with the Center for Information and Computer Security (CICS) at the University of North Texas (UNT). Mark has over 15 years industry experience at Bell-Northern Research, the research and development arm of Nortel Networks, on all phases of development as a senior programmer and systems architect on large, real-time telecommunications systems.

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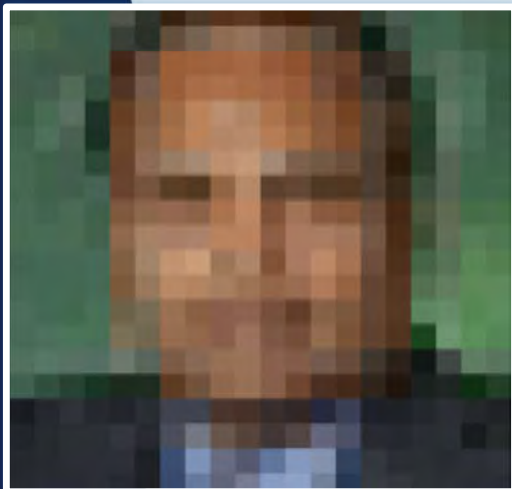
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Ram Dantu

Dr. Ram Dantu has 20 years of industrial experience in the networking industry, where he worked for Cisco, Nortel, Alcatel, and Fujitsu and was responsible for advanced technology products from concept to delivery. He is currently a Professor in the Department of Computer Science and Engineering, University of North Texas (UNT). He was also the founding director of the Network Security Laboratory, and the Center for Information and Computer Security at UNT. He has received several NSF awards in collaboration (lead PI) with Columbia University, Purdue University, University of California, Davis, Texas A&M University, and Massachusetts Institute of Technology.

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Upcoming Events



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NICE K-12 Cybersecurity Education Conference

December 9-10, 2019 at the Hyatt Regency in Orange County, CA.

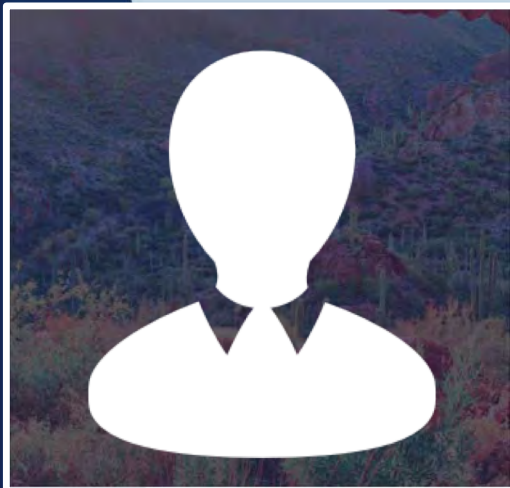
Join us as we expand the national effort to document the K12 cybersecurity education programs ongoing throughout the country, accelerate methods to best nurture a diverse learning community, and provide approaches to guide cybersecurity career development and workplace planning for today's youth. The theme for the 2019 conference is, "Innovation, Vision, Imagination: Harnessing the talent of today to build the cybersecurity workforce of the future".

For more information, visit <https://www.k12cybersecurityconference.org/>.

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Sidd Kaza

Dr. Sidd Kaza is the Chairperson of the Department of Computer and Information Sciences at Towson University. He received his Ph.D. degree in Management Information Systems from the University of Arizona. His interests lie in cybersecurity education, data mining, and application development and he is a principal investigator on several cybersecurity education projects (towson.edu/cyber4all). He is also on the ACM/IEEE/AIS/IFIP Joint Task Force on Cybersecurity Education that produced the four-year cybersecurity curricular guidelines (cybered.acm.org). Dr. Kaza's work has been published in top-tier journals and conferences and has been funded by the National Science Foundation, National Security Agency, Department of Defense, Intel, and the Maryland Higher Education Commission.

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Presentation



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Yingfei Dong

Yingfei Dong received his BS degree and MS degree in Computer Science from Harbin Institute of Technology in 1989 and 1992, respectively, his doctor degree in engineering from Tsinghua University in 1995, and his PhD degree in Computer and Information Science from the University of Minnesota in 2003.

He joined the Department of Electrical and Computer Engineering in the College of Engineering at University of Hawai'i as an assistant professor in August, 2003.

His main research interests are in the areas of computer and network security and privacy, computer networks, internet services and distributed systems.

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Mark Loepker

Mark S. Loepker is the Senior Advisor and Education Lead at Cyber Center for Education & Innovation (CCEI), home of the National Cryptologic Museum (NCM). Mark is a master practitioner in Information Assurance and International Partnerships with over 39 years of government experience. While serving at the National Security Agency (NSA), Mr. Loepker led the National Security Agency (NSA), Foreign Engagement, Cryptologic Partner Field Support to meet U.S. national security objectives. He worked closely with congressional members and staff on emerging cybersecurity issues and legislation. Mr. Loepker was the Director, National Information Assurance Partnership (NIAP) established between the National Institute of Standards and Technology (NIST) and the NSA to evaluate Information Technology (IT) product conformance to international standards.

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CAE-CDE Program Committee Member



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Dr. Amelia Estwick

Dr. Amelia Estwick is the Director for the National Cybersecurity Institute and Faculty Program Director for the School of Graduate Studies Cybersecurity program at Excelsior College (a CAE-CDE school). Prior to her academic position, Dr. Estwick spent 17 years with the National Security Agency and held multiple technical leadership positions, including Technical Director within NSA's Cyber Threat Operations Center.

Dr. Estwick earned her Doctorate and Master's degrees in Computer Science from The George Washington University and her Bachelor's degree in Computer Information Systems from Southern University at New Orleans. Prior to her academic and professional pursuits, she served eight years in the United States Army (INFOSEC) and is a Gulf War veteran.

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Fastpitch



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Cara Tang

Cara Tang is a faculty member and department chair in the Computer Information Systems department at Portland Community College (PCC), and chair of the Association for Computing Machinery Committee for Computing Education in Community Colleges (ACM CCECC). She chairs the Cyber2yr Task Group creating curriculum guidelines for two-year cybersecurity programs.

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Shelly Heller

Computer Science Professor Shelly Heller holds a Ph.D. from the University of Maryland. Her research interest is in the area of computers in educational settings and the impact of interactive multimedia on learning in these environments. Of particular interest is how students learn to use educational software, including the development of courseware for new application areas, the integration of the computer into existing educational settings and public spaces, and in-service and pre-service teacher training. Expanding on her concerns for learning environments are her long-standing efforts to bring and retain women to areas in Science, Engineering, Math, and Technology (STEM). Her efforts in women's leadership include her research grants and her role as the director of the Elizabeth Somers Women's Leadership Program. Dr. Heller is currently the Director of the newly formed School of Engineering and Applied Sciences Center for Women in Engineering.

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For more information, please go to <http://bit.ly/communityquarterly>.

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Upcoming Events



CAE
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2020 CAE Virtual Career Fair

Join us on September 4th, 2020 for the fourth CAE Virtual Career Fair! The CAE Virtual Career Fair, sponsored by NCYTE and the NSF, invites students and alumni from CAE designated institutions to network with employers from all over the nation.

For more information on the CAE Virtual Career Fair, please go to www.caecommunity.org.

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Special thank you to the National Initiative for Cybersecurity Education, the National Security Agency, and the National Cybersecurity Training & Education Center for sponsoring this event!

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CAE Tech Talk



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Join Us on Zoom!

<https://capitechu.zoom.us/j/664120328>

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Presentation



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Zachary Zaccagni

Zach Zaccagni is a second year Ph.D. student in the department of Computer Science and Engineering at the University of North Texas (UNT). His research investigates uses and applications of blockchains beyond cryptocurrency, with an emphasis on new consensus protocols. He is a research assistant to Dr. Ram Dantu in the Network Security Laboratory at UNT. He holds a Master's in Computer Science from Wichita State University of Wichita, Kansas, that investigated autonomous robotic decision making in task scheduling. Zach worked as an instructor concurrently teaching in-person and online classes for the duration of his master's program.

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CAE-CDE Program Committee Member



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Kim Muschalek



Kim C. Muschalek, has over 24 years of higher education experience in computer applications management and computer science. She is a Microsoft Operations Specialist and Certified Adobe instructor and is qualified to teach Cisco Networking Certification classes. Kim has experience teaching client operating systems (Windows and Linux), TCP/IP, network design and architecture, and hardware configuration and software integration. In 1995, Kim joined the faculty at San Antonio College. As a six-year mentor to the San Antonio College/Information Technology and Security Academy (ITSA) CyberPatriot Team, she taught cybersecurity concepts and team strategies aimed at solving real-world cybersecurity issues. Kim has been the Computer Information Systems/Computer Science program coordinator since 2016. She is currently the PI for the NSF Scholarship for Service C3P Pilot Program and the Director of the South Central CAE Regional Resource Center.

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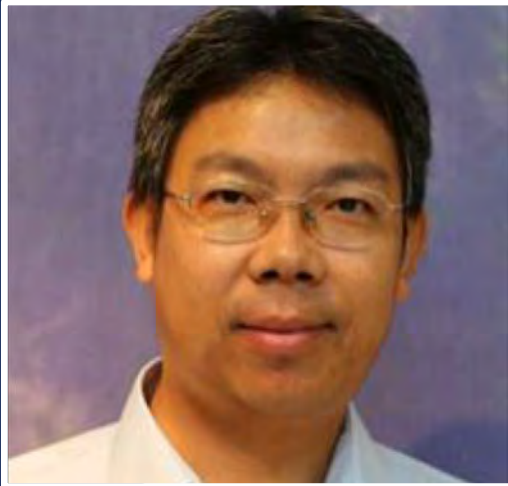
Chris Simpson

Chris Simpson is the Director of the National University Center for Cybersecurity and is the Academic Program Director for the Master of Science in Cybersecurity program at National University. He has developed innovative curriculum and labs in ethical hacking, pentesting, and incident response. Mr. Simpson holds a Bachelor of Sciences degree in Computer and Information Science (CIS) from the University of Maryland and a Master of Science degree in Information Security and Assurance from George Mason University. He is currently a Doctoral student at Dakota State University. His certifications include Computer and Information Systems Security Professional (CISSP), GIAC Penetration Tester (GPEN), GIAC Python Coder (GPYC), Cloud Security Alliance Certificate of Cloud Security Knowledge (CCSK), Navy Master Training Specialist and the KM Institute Certified Knowledge Manager.

Presentation



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Jinpeng Wei

Dr. Jinpeng Wei is an Associate Professor in the Department of Software and Information Systems at the University of North Carolina at Charlotte. His general research interests are in security and systems. His research focuses on theory, methods, and tools that enhance the security of widely used systems software in a broad spectrum of computer systems, from OS kernels, to file systems, to cloud platforms. He has worked on several important topics, including active cyber defense, malware analysis, cyber threat hunting, cloud computing security, and systems software vulnerabilities. His research has been sponsored by ARO, AFRL, DHS, DoD, NSA, NSF, ONR, and industry such as ETRI, South Korea. He is the winner of three best paper awards and the AFRL Visiting Faculty Research Program Award.

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Upcoming Events



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NICE K-12 Cybersecurity Education Conference

December 9-10, 2019 at the Hyatt Regency in Orange County, CA.

Join us as we expand the national effort to document the K12 cybersecurity education programs ongoing throughout the country, accelerate methods to best nurture a diverse learning community, and provide approaches to guide cybersecurity career development and workplace planning for today's youth. The theme for the 2019 conference is, "Innovation, Vision, Imagination: Harnessing the talent of today to build the cybersecurity workforce of the future".

For more information, visit <https://www.k12cybersecurityconference.org/>.

Presentation



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Dan Dougherty

Daniel J. Dougherty is Professor of Computer Science at WPI, having held previous faculty positions at Dartmouth College and Wesleyan University.

The broad theme of his research is the development of software tools to help people understand the properties satisfied by their systems, especially security policies and cryptographic protocols. A recent focus has been on lightweight tools grounded in logic but accessible even to end-users. Our slogan is: "You need not be a logician to use formal methods"

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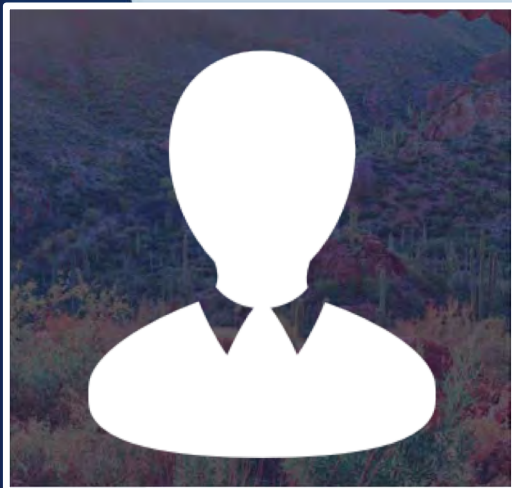
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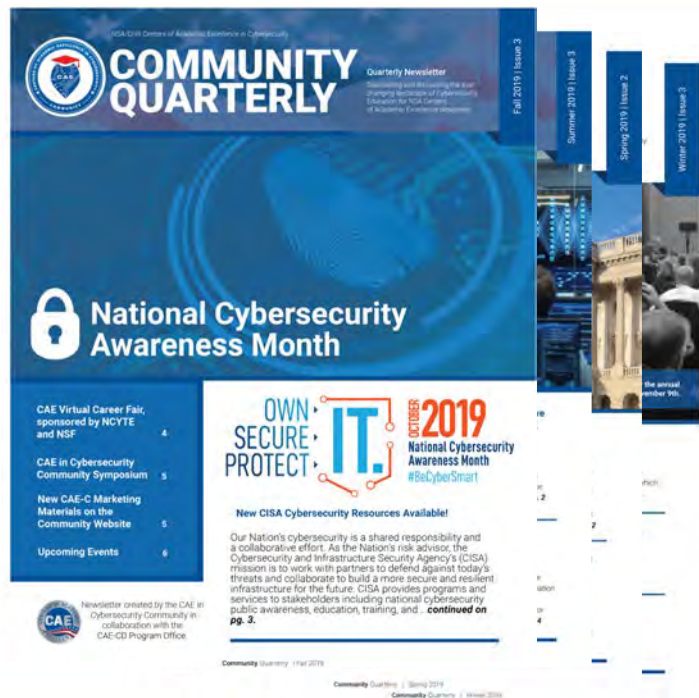
Bei-Tseng "Bill" Chu

Dr. Bei-Tseng "Bill" Chu is a Professor at the Department of Software and Information Systems, University of North Carolina at Charlotte. Dr. Chu is the associate director of the Center for Configuration Analytics and Automation. He developed hands on labs in penetration testing and secure programming in two capacity building grants. In both projects, he conducted faculty summer workshops and some of the exercises are still being used by many universities. He is the point of contact for UNC Charlotte's NSA/DHS recognized Center of Academic Excellence in Cyber Defense and Center of Academic Excellence in Research. He is the PI of the Scholarship for Service program at UNC Charlotte. He received his BS in Electrical Engineering and Ph.D. in Computer Science both from the University of Maryland at College Park.

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Deanne Cranford-Wesley

Dr. Deanne Cranford-Wesley is currently Associate Dean of the Davis iTEC/Cyber Security Center at Forsyth Technical Community College. She also teaches cybersecurity and computer forensics in the cybersecurity program. Dr. Cranford-Wesley previously worked as Department Coordinator and Associate Professor in the 4 year space for 12 years. She currently is and executive board member for the NC TECH Association an Executive Board member and for the NC Chamber. Dr. Cranford-Wesley has vast experience in curriculum design, grant writing, and program evaluation. She is a published author of various technology related articles. She has a Ph.D. in Education Leadership.

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Record your meetings and
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Dongwan Shin

Dr. Dongwan Shin is an Associate Professor of the Computer Science and Engineering department at New Mexico Tech. His primary research interest lies in the areas of system and information security, especially in the following areas: access control, identity/privacy control, malware analysis, applied cryptography, and usable security. Dr. Shin has been extensively involved in a variety of research and educational projects funded by government agencies, national labs, and industry partners on cybersecurity. He has been involved in many departmental activities related to cybersecurity and programming competitions such as ones jointly supported by Sandia labs, Los Alamos lab, and ACM International Collegiate Programming Contest. Dr. Shin has led departmental efforts in developing a successful information assurance program at New Mexico Tech, which resulted in New Mexico Tech as a national Center of Academic Excellence in Cyber Defense Education and Research designated by NSA and DHS; he is currently the point of contact of the center. He was named Orr Endowed Chair of Computer Science and Engineering department while serving as the department chair from 2015 to 2018.

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Presentation



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Faisal Kaleem

Faisal Kaleem (CISSP, CEH, Security+, MCT, CCLO, and CCPA) is a professor in the Department of Computer Science and Cybersecurity at Metropolitan State University. Dr. Kaleem's research work includes cybersecurity learning activities and privacy through the use of Augmented Reality (AR), cybersecurity and forensic curriculum development, computer and network security, mobile device security and forensics, and mobile malware analysis and attribution. Dr. Kaleem has also established MN Cyber—a statewide institute for cybersecurity and forensics research and education. He is currently serving as the Executive Director of MN Cyber. He is also the co-founder and executive member of Minnesota Cyber Career Consortium (MNC3) whose mission is to address Minnesota's cybersecurity workforce needs and to help assist Minnesota businesses in handling cyber risks.

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CAE Forum



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About the CAE Forum

Following the success of the CAE Tech Talks, the CAE Forum allows members of the CAE in Cybersecurity Community to listen to non-technical presentations that are related to our mission and valuable to our community. The CAE Forum is held once a month, the third Wednesday of every month. All meetings are recorded and available, along with presentation information, to view within 24 hours of the webinar.

CAE Forum events are advertised through email and posted to the news and calendar section of the CAE in Cybersecurity Community website:
<https://www.caecommunity.org/calendar>. You can also access the Zoom platform for the CAE Forum by clicking on the links below.

Topic: CAE Forum's Personal Meeting Room

| Zoom | iPhone One-tap | Telephone |
|--|---|--|
| Join with Zoom App on PC, Mac, Linux, iOS or Android | +164699006833,2973824257# or +16465588656,2973824257# | +1 (646) 900-6833 or +1 (646) 558-8656 Meeting ID: 297 382 4257 |
| Join with Zoom Webclient (Calvin Required) | | For higher quality, dial a number based on your current location |

CAE Forum Event Recordings and Documents

| Date | Live/Recording Link | Event Flier | Attachments | |
|---|--------------------------------|--|--|----------------------|
| Thursday, September 19, 2019 - 10:00am | Recording Link | CAE-Forum-harris_guerrney_18Sept.pdf | CybersecurityandDiversity_Harris.pdf | edit |
| Wednesday, September 18, 2019 - 10:00am | Recording Link | CAE-Forum-harris_guerrney_18Sept.pdf | CAEForum18Sep.pdf | edit |
| Tuesday, May 21, 2019 - 10:30am | Recording Link | CAE-Forum-hayajneh_15May.pdf | Toward Cybersecurity Leadership Framework.ppts | edit |
| Wednesday, April 17, 2019 - 2:00am | Recording Link | CAE-Forum_craibtree&yuan_17April.pdf | UW Stout CAE Forum.pdf | edit |
| Wednesday, April 17, 2019 - 1:00am | Recording Link | CAE-Forum_craibtree&yuan_17April.pdf | Terra_CrossCurtPresentation.pdf | edit |
| Wednesday, March 20, 2019 - | Recording Link | CAE-Forum-Losavio_20March (2).pdf | 2-CAE 2019 MARCH presentation.pptx | edit |

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Upcoming Events



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Women in Cybersecurity (WiCyS) Conference 2020

March 12-14, 2020 in Denver (Aurora), CO

The Women in Cybersecurity Conference is the largest gathering of women in cybersecurity in the nation. With a mix of industry, academics, and government, the conference touches on a range of issues.

For more information, please visit <https://www.wicys.org/conference>.

Presentation



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Portia Pusey

Portia Pusey provides educational research, evaluation, and research development services for projects which improve our national preparedness to protect our digital infrastructure through education. Her research interests center on enriching the engagement and professional skills of cybersecurity learners and professionals, cybersecurity competitions as a sport and the potential of competitions to function as professional development, learning environments, and assessment. She specializes in leading the design, conducting and performing analysis of research which strengthens practice in formal and informal cybersecurity learning situations. She also designs outreach experiences which promote cybersecurity careers and awareness for all k-career stakeholders. She is fluent in academic and technical jargon and often serves as a bridge when working with interdisciplinary academic and professional teams in technical fields.

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Special Interest Group



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Yair Levy

Yair Levy, Ph.D. is a Professor of IS and Cybersecurity at Nova Southeastern University (NSU), the Director of the Center for Information Protection, Education, and Research (CIPhER), and chair of the Cybersecurity Faculty Group at the college. He earned his BS.c. in Aerospace Engineering (Technion) and MBA and Ph.D. in MIS from Florida International University. He heads the Levy CyLab (<http://CyLab.nova.edu>), which conducts innovative research from the human-centric lens of four key research areas: cybersecurity, social engineering, user-authentication issues, and privacy. He authored over 30 peer-review publications. He was trained by the Federal Bureau of Investigation (FBI) on various topics as part of the Citizen's Academy, and actively serves as a Board Member and the Education Section Chief of the FBI/InfraGard South-Florida chapter, as well as consults local, state, and federal agencies on cybersecurity topics. Find out more about Dr. Levy and his research lab via: <http://nsu.nova.edu/~levyy/>

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Allen Parrish

Allen S. Parrish is Associate Vice President for Research and Professor of Computer Science and Engineering at Mississippi State University. Dr. Parrish works with internal and external university constituencies to facilitate research collaboration and to enhance MSU's research portfolio. Dr. Parrish was previously Professor of Cyber Science and Founding Chair of the Department of Cyber Science at The United States Naval Academy, where he helped to start the cyber operations program. During his tenure there, the program became one of the first four ABET accredited cybersecurity programs in the country and grew to be one of the largest programs at the academy. Dr. Parrish received a Ph.D. in Computer and Information Science from The Ohio State University.

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