Bias Busters: Promoting Diversity in Cyber & Technology

June 28, 2024 | 9:00 am PST | Virtual

How do we break down barriers and foster a more inclusive, diverse, and equitable environment? Join experts and thought leaders from the US and the UK in a discussion addressing the critical issue of bias found in cybersecurity and technology fields. We will explore practical strategies, share success stories, and discuss actionable steps to create a bias-free industry.

Panelists:

- Steph Aldridge, Director NeuroCyber, UK

- Jennifer Cox, Director for Ireland at Women in Cybersecurity (WiCyS) UK & Eire

- Amy Hysell Cybersecurity Center at California State University, San Bernardino, US

- Susi Barraza, Program Manager and DEI Community of Interest at NIST, US

Moderator:

- Stephen Miller Tenured Professor and Director Cybersecurity Center of Excellence Eastern New Mexico University

Learn more at the monthly member meeting webpage.

AWS Cloud Workshop

Virtual | August 12-15, 2024
8AM - 2PM Pacific

This workshop is funded and tailored specifically for **community and technical college faculty** members wishing to expand their knowledge, earn an industry certification, and strengthen their ability to incorporate new cybersecurity content in their community college curriculum. This workshop is not intended for students or other non-faculty participants.

About the Workshop:

The surge in cloud computing, notably Amazon Web Services (AWS), has been significant. Understanding and utilizing these services have become crucial for educators, particularly in teaching information technology and cybersecurity programs. The "AWS Cloud Essentials" course is tailored specifically for **community college educators**, offering a comprehensive toolkit to harness the potential of cloud computing within the educational sphere. Through engaging lab activities, participants will immerse themselves in the core concepts of AWS, gaining a profound comprehension of cloud computing principles, services, and best practices. This course covers a spectrum of topics, from storage solutions to computational resources, equipping educators with the tools to seamlessly integrate cloud technology into their curriculum, courses, and teaching methodologies and fostering innovation and collaborative learning environments for students.

Throughout the course, participants will actively participate in hands-on exercises, collaborative team projects, interactive discussions, and real-world case studies facilitated by seasoned instructors with expertise in education and cloud computing. Community college educators will emerge equipped with the confidence and competence to leverage AWS cloud services effectively, enriching student learning and equipping them with the skills necessary for success in an increasingly digital world.

Facilitator: Jiri Jirik, Moraine Valley Community College

[Register Now!](#)

CMMC 2.0 Workshop: Advancing Cyber Resilience

July 18 & 19 | Virtual | 8:00 am - 3:00 pm Pacific

This two-day CMMC 2.0 workshop covers the updated, streamlined three-level model. Shifting most Auditing requirements to the DoD, CMMC 2.0 aligns more closely with the NIST 800-171 standards.

Who should participate?

- Cybersecurity faculty members
- IT or cybersecurity professionals in small businesses

Instructor:

Dr. John Sands has over three decades of experience in education, workforce research, and teaching. Dr. Sands brings extensive knowledge in data communications, manufacturing technologies, information technology, and cybersecurity management.

Seating is limited.

[Register Now!](#)

HI-TEC

July 29 - Aug 1
Kansas City

Stop by our both and say hello! We are excited to be attending the HI-TEC conference again this year. We look forward to connecting with everyone who attends and sharing upcoming NCyTE events and professional development opportunities.

NCyTE Needs the CAE Community's Input!

NCyTE is currently engaged in two research efforts and is seeking CAE Community membership support. The first is a follow-up to our 2019 "Where Are They Now" Workforce Study: Community College Cybersecurity Alumni. The 2019 report was the result of a six-month study examining the success of community colleges placing cybersecurity professionals and involved in identifying the types of jobs community college graduates found after graduation and the alignment of these jobs to the National Institute of Standards and Technology (NIST), NICE framework work roles. The updated CAE-CD research study is being conducted by Tobi West, Ph.D. from Coastline Community College. If you are a CAE-CD Point of Contact (POC) from a 2-year college, be on the look-out for a survey invitation and follow-up outreach from Dr. West.

For the second study, NCyTE has engaged the Seattle Jobs Initiative (SJI) to analyze the use of Classification of Instructional Programs (CIP) codes across cybersecurity programs. To do this, we are surveying both 2-year and 4-year CAE-designed institutions to identify all CIP codes used for cybersecurity programs.

What is a CIP Code?

The CIP code is a six-digit numerical taxonomy designed to categorize and standardize instructional programs and courses in post-secondary education in the United States. These are used by educational institutions to report program statistics, such as enrollment and graduation data, to decision-making bodies (more information here).

Why does it Matter?

Cybersecurity programs emerged from very disparate programs before there was a dedicated cybersecurity defense code and may not have updated their CIP code. If that is the case, national and state systems are not capturing all cybersecurity graduates, and

we do not have a solid way of assessing whether there are enough cybersecurity grads being produced or if they are going into cybersecurity occupations.

With a better understanding of how these codes are being used, we can better reflect how many cybersecurity graduates are being produced, what skills they have, and what occupations they are entering.

Where do I find my CIP codes?

Your office of institutional research is most likely the best source of this information as it uses CIP codes in their reports to federal and state governments.

How can you help?

If you are the POC for your CAE designated institution, be on the look-out for a survey invitation and follow-up outreach from SJI. We appreciate your support and participation in the survey. If you have not received the survey or if you have any questions, you may contact the SJI research team at research@seattlejobsinit.com

On behalf of the entire team at the National Cybersecurity Training & Education Center, the planning committees, and our conference host institution, Moraine Valley Community College, we would like to thank our community for their support and attendance at the second annual CYAD: cybersecurity Across Disciplines conference.

We had two days packed with engaging presentations about the current cyber threat landscape and the latest advances in cybersecurity workforce education and curriculum design, including demonstrations of innovative resources and tools that enhance cybersecurity practices across the various disciplines.

In addition we would like to thank our sponsors for their contributions, making this year's conference a huge success: Network Development Group, Central Intelligence Agency, National Security Agency, National Science Foundation, and Microsoft Philanthropies.

Check out our website for future academies, workshops and events: https://www.ncyte.net/about-ncyte/events #CyAD2024 #NSF, #NSA, #CIA, #NDG, #MicrosoftPhilanthropies, #MVCC

NCyTE Membership

Join as an institutional member! Gain access to curriculum resources, travel stipends for conferences, industry partners, workshop resources, NCyTE Center visibility, and a growing cybersecurity community.

Over 450 institutions representing universities, colleges, high schools, and middle schools are NCyTE members.

Join today!

NCyTE YouTube Channel

Subscribe to NCyTE's YouTube channel. We have short videos to add to your curriculum and recordings of all the monthly membership meetings.

[NCyTE YouTube Channel](#)

[NCyTE Monthly Membership Meeting Info](#)

The [National Cybersecurity Training & Education (NCyTE) Center](#) advances cybersecurity education in the U.S. by investing in technological innovation, resources, professional

development and tools to support faculty, community colleges and the workforce pipeline of tomorrow.

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