COMMUNITY QUARTERLY

Quarterly Newsletter

Discovering and discussing the ever-changing landscape of Cybersecurity Education for NSA Center of Academic Excellence designees.

Newsletter created by the CAE in Cybersecurity Community in collaboration with the NCAE-C Program Office.

Designation Ceremonies

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Community Updates

National Cybersecurity Teaching Academy

At this stage, NCTA completed the recruitment process and selected the 90 teachers (30 per lead institution) that will receive the scholarships. Currently, the application and admission at the lead institutions is underway, and classes begin June 1st. NCTA continues to work on finalizing the overall curriculum while the coalition is focused on two main tasks ahead: (i) establishment of a network of industry partners to offer internships for the teachers during the academic year; and (ii) institutionalizing NCTA including recognition of the NCTA certificate, codification of NCTA curriculum, and creating NCTA pathways.

Northwest Hub Cybersecurity High School Innovations

The NW HUB CHI grant prepares teachers from seven western states to teach a high school cybersecurity course in the 2022-23 school year. The preparation includes online asynchronous/synchronous classes, Intro to Cybersecurity, integrates RING, CLARK, cyber.org, and teachcyber.org resources, followed by a 5 ½ day summer intensive taught in Seattle. The in-person Kick-off is a tour of Blue Origin's Renton, WA, facility led by Will Longman (CISO, former Navy, and high school Vocational Education HS Teacher.)

Community Spotlight

Designation Ceremonies

The CAE team is excited to finally be able to move forward and put COVID behind us. With that being said, we are pleased to announce that we will be resuming in-person designation ceremonies. That's right, we finally will be able to meet face to face again. Designation ceremonies will be held at the NICE Conference, the Executive Leadership Forum (ELF), the Community College Cyber Summit (3CS) and HUB events. A survey was emailed to newly designated schools and to schools that were re-designated since the start of COVID regarding choice of designation ceremony attendance. Although we would love to see each school at one of these events, we understand that some might still feel uncomfortable with travel or their schedule does not allow them to make it; therefore, at your request, we are also able to mail the school's certificate to you.

Besides moving in the right direction with in-person ceremonies, we are also moving in the right direction with the new CAE Application Tool. There have been some hiccups, but we are continuing to work with the developer to work out any issues as they may arise. Every school will be assigned to an application cycle for submission. If you haven't been notified of your assigned cycle, you will be notified closer to your application time with plenty of advance notification of cycle assignment. Below is an update for each designation area:

CAE-CD:
- CAE-CD was the first group to begin working in the new CAE Application Tool and thanks to this group, the remaining groups are running a lot smoother with the transition. With CAE-CD we continue to catch up on the large backlog of re-designations and new designation.

CAE-CO:
- A CAE-CO pilot is currently in progress using the CAE Application Tool. The first group of CAE-CO schools have also begun their applications within the CAE Application Tool.

CAE-R:
- CAE-R has held multiple focus groups through the CAE-R Community of Practice (CoP) to further refine requirements. A CAE-R pilot is planned for the new CAE Application Tool which is anticipated to begin this summer.

Regions Investing in the Next Generation (RING)

The pilot offerings for the Regions Investing in the Next Generation (RING) curriculum are ongoing with conclusion in May. Pilot students from both semester and year-long instances have provided great participant feedback addressing rigor, assignment load, course navigation, and more--students appear to enjoy the course, with one student claiming, "This is probably my favorite class this year." RING will soon begin recruiting the next round of student participants for August enrollment! UAH is working to create a college-level RING course and establish articulation agreements with grant partners. The course is currently undergoing the university's review and approval process by committee.

Northwest Region Collaboration with State Departments of Education

The CAE Regional Hubs Collaboration with States Department of Education team has been making good progress identifying the stakeholders and policies related to the development of dual enrollment / dual credit agreements between high schools and CAE institutions. Several opportunities for the advancement of such agreements are either under consideration or in development, such as College in the High School. In the coming months, we look to finalize one or more of these opportunities so that we may build upon them and achieve additional successes within the Northwest Region.

2022 CAE in Cybersecurity Symposium

June 9-10, 2022

Westin Peachtree Plaza Atlanta, GA

Community Spotlight

Hack the Port

The Maritime & Control Systems Cybersecurity Conference, Hack the Port, successfully reached over 800 attendees both physically and virtually. Attendees consisted of students from academic institutions across the country, government leaders from White House NCD, USCYBERCOM, DHS, Coast Guard, CISA, NSA, foreign partners such as the Israeli Defense Forces, elected officials, and senior leaders from industry. Academic attendees serving as the future potential workforce were introduced to cybersecurity and industrial control systems leaders, 15 different trainings and hands on cyber exercises.

Over 200 students from 42 academic institutions, including approximately 30 NSA CAE designated universities, multiply USCYBERCOMMAND AEN schools, and 9 professional teams from different CPT's, Coast Guard, Army and more participated in the Hack the Port Cyber Exercise that was designed to teach industrial control systems concepts in a force on force capture the flag style competition. The Cyber Exercise resulted in over 98 attacks conducted against the robust network with 2 of them being control systems attacks and one new critical vulnerability was discovered in a commercial product that was utilized during the exercise. Hack the Port identified a substantial gap and potential to grow in critical infrastructure industrial control systems knowledge and expertise in both academic and professional settings.

GenCyber 2022 Updates

The summer of 2022 promises to be a busy summer for GenCyber host institutions! There will be 102 camps occurring across the United States for students and teachers. All funded programs also now require pre/post camp outreach events. The GenCyber website contains the most current information regarding program locations and host institutions urls. Each institution is responsible for marketing, recruiting, and registering participants. Please see www.gen-cyber.com for information.

In May, all current GenCyber Program Directors and Lead Instructors will be in Arlington, VA for the GenCyber Spring Conference. The PMO looks forward to hosting the first in-person GenCyber community event since 2019!


In Memoriam

Dr. Wayne Pauli

The CAE program office is mourning the loss of a valued friend and colleague. Wayne Pauli was instrumental in advancing the field of Cybersecurity in South Dakota and the country. His effervescent personality and deep knowledge of cyber, attracted students, faculty, and partners to Dakota State, where he advanced a top rated cybersecurity program. In partnership with the CAE PMO, he led GenCyber camps and faculty development instruction.

His leadership and friendship will be greatly missed. The CAE Program Office wishes his family and friends peace during this very difficult time.
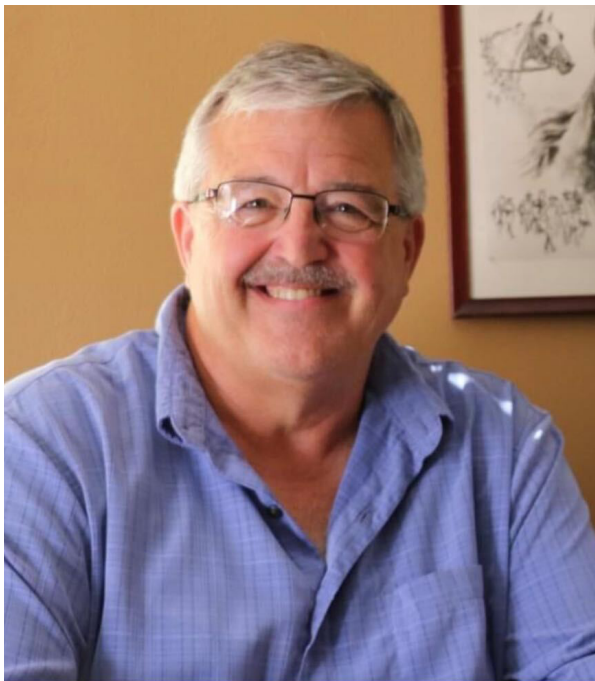
Upcoming Events

June 6-8

NICE Conference and Expo
Atlanta, Georgia

The NICE Conference is the annual convening of community members and thought leaders from education, government, industry, and non-profits to explore ways of developing a skilled cybersecurity workforce ready to meet the challenges of the future. This event provides an opportunity to share best practices from around the world and across sectors in order to build the workforce we need to confront cybersecurity risks today and in years to come.

For more information, please visit: https://niceconference.org/

CAE in Cybersecurity Symposium
Atlanta, Georgia

The CAE in Cybersecurity Symposium provides community members and applicants the opportunity to network, receive community updates, and present their research to the community.

For more information, please visit: https://www.caecommunity.org/events/2022-cae-cybersecurity-symposium

June 8-10

July 26-28

NSA Executive Leadership Forum
Gulfport, Mississippi

The forum unites executive leadership from academia, industry and government to seek collaborative strategies and solutions to advance cybersecurity.

For more information, please visit: https://www.nsaexecforum.msstate.edu/

Stay current on all Community events by checking out the community calendar at https://www.caecommunity.org/events/calendar

The NCAE-C Program Office uses the contact information uploaded into https://nsa-ncae.com/login to send out routine reminders, solicitations, and event invitations. Please ensure that you have updated your information with the correct contacts from your institution.

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