COMMUNITY QUARTERLY

Quarterly Newsletter

Discovering and discussing the ever changing landscape of Cyber Security Education for NSA Centers of Academic Excellence designees.

The National Initiative for Cybersecurity Careers and Studies (NICCS)

Newsletter created by the CAE in Cybersecurity Community in Collaboration with the CAE-CD Program Office.

CAE Grant Showcase

On Jan. 10, 2019, academic and government representatives gathered in Washington D.C. to highlight the success and showcase the impact of the Centers of Academic Excellence in Cyber Defense (CAE-CD) program, sponsored by the National Security Agency and Department of Homeland Defense....***continued on pg. 2***

CISSE June 11-12

The CAE-CD Program is Going Back to CISSE

As you all know, the CAE-CD Program turns 20 this year! Since 1999, we have been designating institutions in an effort to reduce vulnerabilities in our national infrastructure. Through the years, the CAE Program....***continued on pg. 5***

Community Activities

CAE Grants Showcase

Educators Gather on the Hill to Discuss the Importance of Cybersecurity Initiatives

On Jan. 10, 2019, academic and government representatives gathered in Washington D.C. to highlight the success and showcase the impact of the Centers of Academic Excellence in Cyber Defense (CAE-CD) program, sponsored by the National Security Agency and Department of Homeland Defense.

"The purpose of the Grants Showcase was to inform audiences of the breadth and depth of the CAE-CD program, beyond just academics," NSA representative Jill Curcio said. "We wanted these audiences to understand the impact that CAE-CD schools have on their communities and on the growth of cybersecurity as a profession."

The national impact of the CAE-CD program is only growing. With programs ranging from the INSuRE Project at Purdue University to the Faculty Development Workshops at Dakota State University, students and faculty of CAE designated institutions are leveraging these programs to help the CAE-CD program in its efforts to define better educational standards. With programs like the CAE in Cybersecurity Community, the CAE Regional Resource program, and the CAE Mentor/Reviewer program, our community is working to build the pipeline to the cybersecurity workforce.

Poster sessions at the showcase demonstrated these accomplishments, and despite the government shutdown, several prominent congressional figures attended the event. Representatives from the states of Washington, Florida, and staffers from a number of other states attended to learn more about our program initiatives and the programs within their own state. Representatives and staffers seemed to be concerned with the cybersecurity pipeline and the ability of CAE institutions to produce enough professionals to combat the growing challenges in cyberspace.

"From protecting America's most sensitive information to ensuring the seamless functionality of e-commerce platforms, cybersecurity experts play a

Representatives from the CAE-CD Program meet with Congressional Representatives and Staffers at the CAE Grant Showcase on January 10, 2019.

critical role in America's high-tech information economy," Florida Congressman Matt Gaetz said in a press release following the showcase. "With highly-skilled foreign adversaries like Russia and China constantly attempting to penetrate America's data systems, cybersecurity has never been more crucial to national security."

Though interest in the field of cybersecurity has gained traction over the last several years, there is still a large workforce shortage that the CAE program attempts to remedy. Current estimates from CyberSeek* (with 300,000+ open jobs in the United States) indicate that the supply and demand gap will remain a critical issue in the years to come. Although the great strides made by the CAE-CD program to close this gap are evident in nearly every state, the efforts and activities of the program often go unnoticed.

"It was especially interesting to hear from colleagues at NSA, who work in the Agency where our program is managed, say that they had no idea what our program did or how our schools impact the community on a regular basis," Curcio said. In addition, many of the congressional representatives and staffers were surprised to learn of the activities of the program within their state.

While the CAE Grant Showcase brought together representatives from states all across the country to learn about the CAE-CD program, it also highlighted the work that still remains. CAE designated institutions across the nation must start communicating with their decision makers on campus, locally, and within the state to highlight the success and impacts of the CAE-CD program. Our program cannot exist in an information silo. As we add more institutions, government, and industry partners, as well as congressional advocates, we must

Photo By: CAE in Cybersecurity Community Staff
Eman El-Sheikh from the University of West Florida and Judy Emmel from the National Security Agency speak with Florida Congressman Matt Gatez at the CAE Grant Showcase.

promote our efforts and contributions to the challenges faced by our nation.

To sum up the value of the CAE-CD program, Representative Gaetz put it this way: "The students who graduate from these extremely valuable programs will help America, now and into the future."

For more information on this event, please contact info@caecommunity.org or askcaeiae@nsa.gov.

*Cyberseek provides the supply and demand stats on cybersecurity jobs in the United States. To look a these stats, please go to www. cyberseek.org.
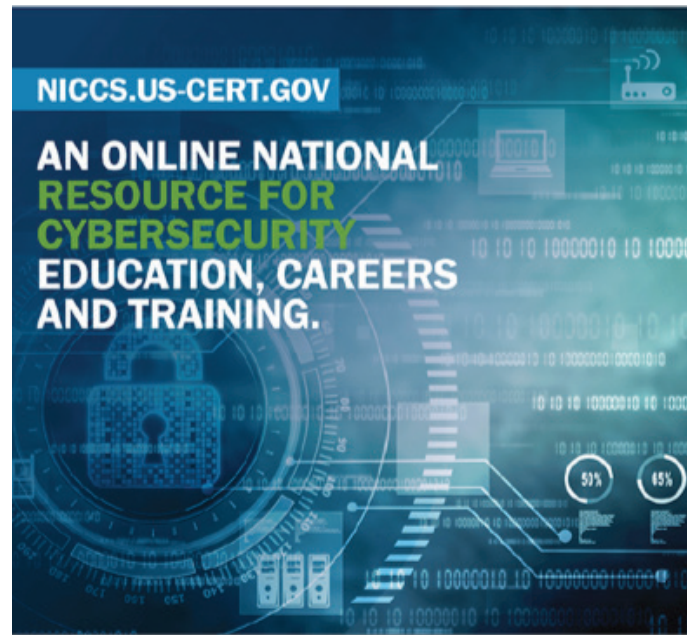
Department of Homeland Security Updates

The National Initiative for Cybersecurity Careers and Studies (NICCS)

The National Initiative for Cybersecurity Careers & Studies (NICCS) is the Nation's one-stop shop for cybersecurity careers and studies. It connects the public with information on cybersecurity awareness, degree programs, training, careers, and talent management.

The NICCS Education and Training Catalog connects the public to nearly 4,000 cybersecurity courses offered by organizations across the nation and is growing every day. The courses in the training catalog are cybersecurity focused and delivered by accredited universities, **National Centers of Academic Excellence (CAE)**, federal agencies, and other training providers. Each course is mapped to the **National Cybersecurity Workforce Framework**, the foundation of the National Initiative for Cybersecurity Education (NICE) effort to standardize the cybersecurity field.

NICCS offers resources to build foundational skills for a career in cybersecurity, collegiate level programs, and continuing education resources for outside the classroom. Educators can find curriculum resources and programs to help students gain the knowledge and skills they need to join the growing cybersecurity community.

For organizations wanting to build a world-class cybersecurity workforce, tap into additional **Cybersecurity Resources** to design and build a top notch cybersecurity workforce.

NICCS.US-CERT.GOV
AN ONLINE NATIONAL RESOURCE FOR CYBERSECURITY EDUCATION, CAREERS AND TRAINING.

To Learn more about NICCS, visit us at: **https://niccs.us-cert.gov/** or email us at **NICCS@hq.dhs.gov** for more information.

The National Initiative for Cybersecurity Careers & Studies (NICCS)
One Stop Shop for Cybersecurity Careers and Studies!
U.S. Dept. of Homeland Security

CAE-CD Program Office Updates

The CAE-CD Program is Going Back to CISSE

As you all know, the CAE-CD Program turns 20 this year! Since 1999, we have been designating institutions in an effort to reduce vulnerabilities in our national infrastructure. Through the years, the CAE Program Management Office has undergone many enhancements in order to keep up with the cyber landscape.

In honor of our anniversary, we thought it would be a great opportunity to "go back to our roots" and rejoin the Colloquium for Information Systems Security Education (CISSE) Conference. CISSE provides government, industry, and academia with a forum to discuss ways to work together to define current and emerging requirements for information assurance education and to influence the development and expansion of information assurance curricula.
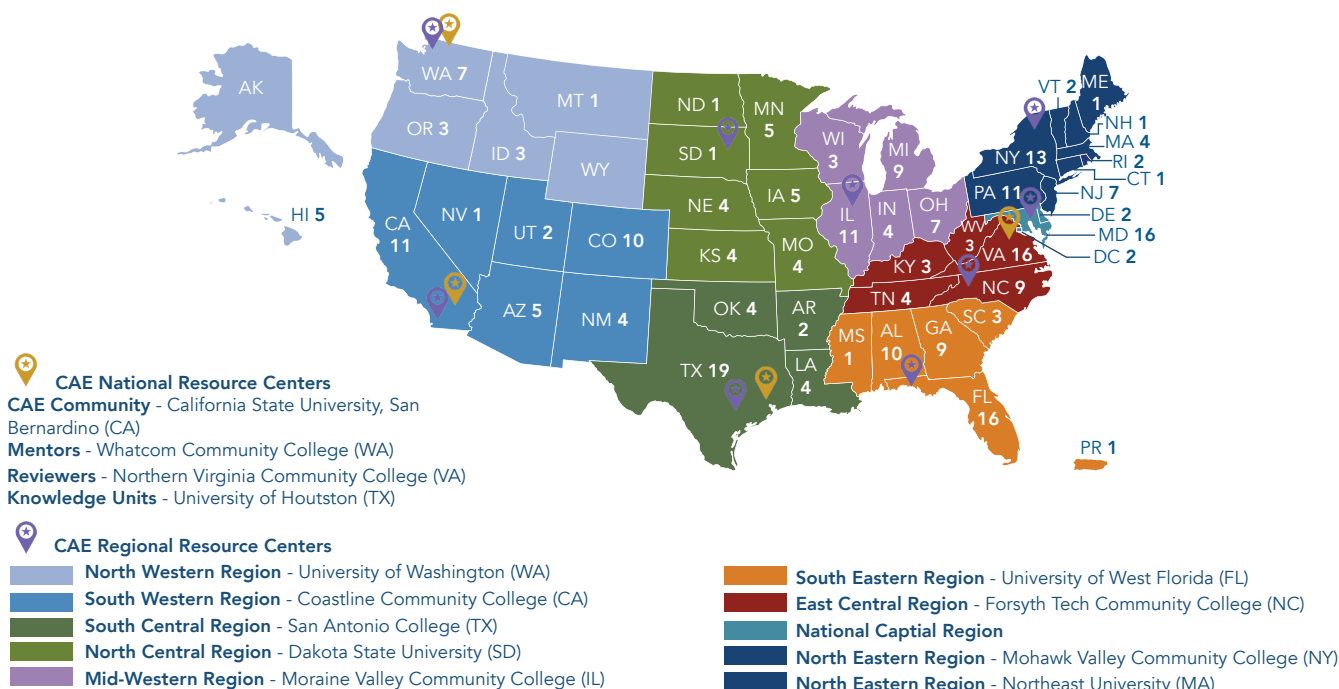
CISSE's ideals tie together with the vision of the CAE program, which is why we thought it fitting to celebrate this momentous anniversary alongside it.

This year's symposium will be held on 10-12 June in Las Vegas, Nevada. If you're interested, you can register here: https://cisse.member365.com/public/login/event/2459988b45005009823c87e9cf1128fa75c50d3e?do=signup.

If you have questions, please feel free to reach out to us via askcaeiae@nsa.gov. For specific questions about the event, please contact askCISSE@cisse.info. Looking forward to seeing you there!

CAE-Cybersecurity Designated Institutions and Resource Centers

This map includes institutions designated as CAE-Cyber Defense and Research (272).

CAE National Resource Centers
CAE Community - California State University, San Bernardino (CA)
Mentors - Whatcom Community College (WA)
Reviewers - Northern Virginia Community College (VA)
Knowledge Units - University of Houtston (TX)

CAE Regional Resource Centers

North Western Region - University of Washington (WA)	**South Eastern Region** - University of West Florida (FL)
South Western Region - Coastline Community College (CA)	**East Central Region** - Forsyth Tech Community College (NC)
South Central Region - San Antonio College (TX)	**National Captial Region**
North Central Region - Dakota State University (SD)	**North Eastern Region** - Mohawk Valley Community College (NY)
Mid-Western Region - Moraine Valley Community College (IL)	**North Eastern Region** - Northeast University (MA)

Upcoming Events

24-25 APR

Executive Leadership Forum
Pensacola, Florida

Time: 8:00am-5:00pm

The executive leadership forum brings together government, indsutry, and academia to discuss issues of importance to the community.

For more information, please visit: https://www.caecommunity.org/news/2019-cae-executive-leadership-forum

National Cyber Summit
in Huntsville, Alabama

Time: 8:00am-5:00pm

Join academics and professionals in the field of cybersecurity as they discuss cyber training, education, and workforce development.

For more information, please visit: https://www.nationalcybersummit.com/

5-7 JUNE

10-12 JUNE

CISSE
Las Vegas, Nevada

Time: 8:00am-5:00pm

Join us for CISSE and the CAE in Cybersecurity Designation ceremony.

For more information, please visit: https://cisse.info/

Upcoming Events

AUG 8-11

DEFCON 27
Las Vegas, Nevada

Time: 8:00am-5:00pm

Back at Paris, Bally, and Planet Hollywood, DEFCON 27 brings together cyebrsecurity professionals from all over the world to disccus emerging trends, threats, and challenges.

For more information, please visit: https://www.defcon.org/

Winter 2019

CAE Forum
Virtual Event

Time: Third Wednesday of Every Month @ 1:10pm Eastern Time

CAE Forum is a live, online webinar where members of the CAE in Cybersecurity Community can give non-technical presentations to the community.

For more information, please visit: https://www.caecommunity.org/content/cae-forum-resources

Winter 2019

CAE Tech Talk
Virtual Event

Time: Third Thursday of Every Month @ 1:10pm Eastern Time

CAE Tech Talk is a live, online webinar where members of the CAE in Cybersecurity Community can give technical presentations to the community.
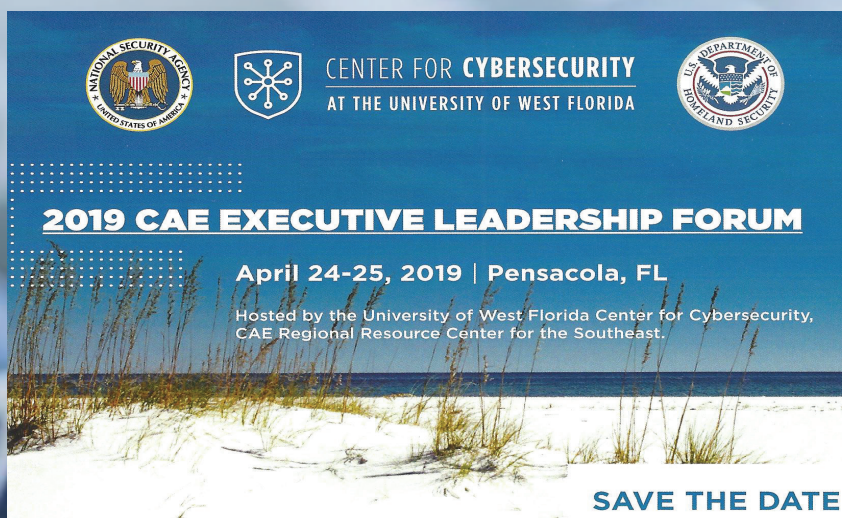
For more information, please visit: https://www.caecommunity.org/content/cae-tech-talk-resources

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

The CAE-CD Program Office uses the contact information uploaded into www.iad.gov/nietp to send out routine reminders, solicitations, and event invitations. Please ensure that you have updated your information with the correct contacts from your institution.

CAE-CD Program Staff Contacts

- **Lynne Clark**
  Chief, NSA/DHS National Centers of Academic Excellence in Cyber Defense Program Office
- **Jill Curcio**
  CAE Events and Communications Lead
- **Lynn Hathaway**
  Centers of Academic Excellence Cyber Defense Program Manager
- **Karen Leuschner**
  NSA/DHS Centers of Academic Excellence Cyber Defense Program Manager
- **Lorie Pfannenstein**
  NSA/DHS National Centers of Academic Excellence in Cyber Defense Program Manager
- **Alice Shaffer**
  CAE Grant and Scholarships Program Manager
- **Rory Smith**
  CAE SEAL Program Manager
- **Latasha McCord**
  DHS Program Manager for Cybersecurity Education & Awareness Branch

Spring Edition 2019

CENTER FOR **CYBERSECURITY**
AT THE UNIVERSITY OF WEST FLORIDA

2019 CAE EXECUTIVE LEADERSHIP FORUM

April 24-25, 2019 | Pensacola, FL

Hosted by the University of West Florida Center for Cybersecurity, CAE Regional Resource Center for the Southeast.

SAVE THE DATE

SAVE THE DATE
CAE in Cybersecurity Symposium

November 21st-22nd, 2019
Sheraton Grand Phoenix
Phoenix, AZ 85004
www.caecommunity.org

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

Contact

CAE-CD Program Office
- askcaeiae@nsa.gov
- https://www.iad.gov/NIETP/

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- info@caecommunity.org
- https://www.caecommunity.org

To submit ideas, stories, photos, events, feedback, or more, please email us at info@caecommunity.org.