



CAE News



September 2015

promote higher education

reduce vulnerabilities

grow cyber professionals

CAE Community Meeting ~ Have You Registered?



CAE institutions are encouraged to join us for an important meeting of the CAE Community organized by the California State University San Bernardino Cyber Security Center on Monday, November 2, 2015 (day before the NICE Conference) at the Paradise Point Resort, San Diego, CA. We will be gathering academia and government to discuss the future cyber security workforce as well as several unique working group opportunities and the way forward for the CAE Cyber Defense Program. The meeting is open to all current Centers of Academic Excellence institutions (Four-Year, Two-Year, and Research) including those schools that have applied for CAE Designation or are in the process of applying.

CAE Community Meeting Proposals

Don't miss an opportunity to submit proposals for FastPitch, Special Interest Group Discussion, or Presentation at this year's meeting. Multiple proposals may be submitted. The committee will select based on available spots. The deadline to submit a proposal is October 10, 2015.

FASTPITCH: The theme is "Innovation". Schools are given the opportunity to make a 10 minute or less presentation to the general audience on an innovative program, approach or other item.

SPECIAL INTEREST GROUPS: These are opportunities for participants to discuss items relevant to the interest group. The sessions will be about one hour in breakout rooms. Sample topics might be Women and Minorities in Cyber Security or Cyber Security Accreditations.

PRESENTATIONS: These breakout room forums are provided for attendees who wish to present something of interest to an audience. Presentations should be less than 30 minutes.

Travel Funds Available

Want to attend the meeting but did not budget for this travel expense? We invite you to apply for travel reimbursement, up to \$1000, to attend the upcoming CAE Community Meeting. Approximately 150 travel awards for faculty from CAE-CO, CAE-CDE (including CAE-IAE), CAE2Y, and CAE-R institutions in the United States will be competitively awarded through this initiative, limited to one attendee per institution. Travel funding will cover airfare and two nights lodging at the Paradise Point Conference center.

Registration and travel fund applications from all CAE institutions are encouraged. (NOTE: This travel funding is for the CAE Community Meeting only and not for the NICE Conference, although you are encouraged to attend both).

Registration, Reservations & Proposal Submissions

The CAE Community Meeting is FREE to attend, however registration in advance is required and is separate from NICE Conference registration.

To register for the meeting and/or to apply for travel funding, click [here](#) or visit: www.caecommunity.org/resources/cae-community-meeting-2015-registration. The deadline to register is October 14, 2015.

To submit a proposal for a session, click [here](#) or visit: <https://www.caecommunity.org/resources/cae-community-meeting-2015-proposal-submissions>.

To reserve lodging at the Paradise Point Resort, San Diego, call 858-274-4630. Mention Group Code: CAE NICE for the \$142 block rate. Hurry, rooms are selling out quickly!

**This event is supported by the National Initiative for Cybersecurity Education (NICE), a program of the National Institute of Standards and Technology in the U.S. Department of Commerce, under Grant # 60NANB15D306*



Homeland Security

National Cyber Security Awareness Month October 2015

Background:

Recognizing the importance of cybersecurity awareness, President Obama designated October as National Cyber Security Awareness Month (NCSAM). Now in its 12th year, NCSAM is a collaborative effort between the U.S. Department of Homeland Security (DHS) and its public and private partners, including the National Cyber Security Alliance, to raise awareness about the importance of cybersecurity and individual cyber hygiene.

NCSAM 2015 Themes:

Each week in October is dedicated to a specific theme with corresponding messaging. The themes listed below offer the opportunity for everyone to get involved in cybersecurity activities most relevant to them. To engage Americans across the Nation, key events will be coordinated in geographically diverse sites (locations TBA). We encourage you to align your NCSAM plans to the following weekly themes:

1. Week 1: October 1-2, 2015 – General Cybersecurity Awareness: Celebrating 5 Years of Stop.Think.Connect.™
The month's kickoff will celebrate the fifth anniversary of the Stop.Think.Connect. Campaign, a national public awareness campaign aimed at increasing American's understanding of cyber risks and empowering everyone to be safer online. Week 1 will focus on general online safety that will reinforce cybersecurity as a "shared responsibility."
2. Week 2: October 5-9, 2015 – Creating a Culture of Cybersecurity at Work
Businesses and their employees are responsible for a wide range of sensitive information that is often appealing to cyber criminals. Week 2 will provide resources and education on ways for businesses and employees to enhance their cybersecurity practices. Resources such as the DHS Critical Infrastructure Cyber Community (C3) Voluntary Program can provide assistance for businesses to learn how to improve cyber risk management processes.
3. Week 3: October 12-16, 2015 – Connected Communities: Staying Protected While Always Connected
The Internet is at our fingertips 24/7, becoming available and accessible almost anywhere we go. With various applications and technology, we can shop, learn, bank, socialize, and more through our mobile devices. Week 3 centers around improving our understanding of mobile device security and how to become better digital citizens at any age.
4. Week 4: October 19-23, 2015 – Your Evolving Digital Life
As the "Internet of Things" continues to evolve, technology is advancing throughout all aspects of our lives. While more devices and objects become connected to the Internet – from phones and tablets to homes, vehicles, and medical devices – it is important to educate all citizens on the importance of owning and protecting their digital lives. Week 4 focuses on the "smart world" in which we live, where we envision technology taking us, and how to continuously implement cybersecurity best practices as technology advances.
5. Week 5: October 26-30, 2015 – Building the Next Generation of Cyber Professionals
The need for properly trained cybersecurity professionals is at an all-time high. With demand rising on a daily basis, promoting and expanding cybersecurity education becomes increasingly important. Week 5 will focus on cybersecurity awareness and education in schools at all levels, and how to build a cyber workforce that is ready to meet tomorrow's technology needs.

The hashtag for NCSAM will be #CyberAware – we encourage you to use this both before and during the month of October to promote your organization's involvement in raising cybersecurity awareness.

For more information, please contact stophinkconnect@dhs.gov.



Meet Dr. Agnes Hui Chan

Institution:

College of Computer and Information Science
Northeastern University, MA

CAE-IAE since 2002

CAE-R since 2008

CAE-CDE since 2014



Bio: Professor Chan received her Ph.D. in mathematics and joined the Northeastern University faculty in 1977. She is currently the Executive Director of Information Assurance and Cyber Security at Northeastern University. She has served as the Associate Dean and Graduate Director in the College of Computer and Information Science for 20 years. Professor Chan's research focuses on cryptography and communication security. She has also worked on designing efficient implementations on divisible electronic cash, which often requires exact payment in cash transactions. In more recent work, Professor Chan is examining fast, efficient mutual authentication algorithms for small mobile devices. She is working on protocols, key management schemes and anti-jamming algorithms for securing communications among devices in a hostile, resource-constrained environment. Currently, she is working on privacy and security problems in the open cloud. Professor Chan holds two patents, one on ultrafast pseudorandom sequence generator and one on software based stream ciphers. She has also published widely in IEEE conferences and journals, as well as in Crypto and Eurocrypt. Her research has been funded by NSA, NSF, DARPA and telecommunication industries. She has served on various program committees, Board of Directors of the IEEE Information Theory Society and is currently on the editorial board of the International Journal on Cryptography and Communication – Discrete Structures, Boolean Functions and Sequences.

Research Areas of Focus:

- Cryptography and Communication Security

Bet You Didn't Know: Dr. Chan is fascinated by submarines! Please don't ask why though, as she doesn't quite understand why herself. If there's a WWII movie that involves a submarine, you can bet your bottom dollar that she's watched it and has been entertained by the good old-fashioned game of hide and seek. She had the thrill of her life ten years ago while at a DARPA PI Meeting when she was invited to tour a nuclear submarine. If there's ever a *Crash Dive* remake, now we know where to find our leading lady!

2016 CAE PROGRAM CYCLE

1 September

Deadline for CAE Cyber Defense Applications for designations awarded at NICE 2015. Application Website remains open.

2 November

CAE Community Meeting & Designation Ceremony – San Diego, CA

15 November

CAE-Cyber Operations Application Opens

15 January 2016

Deadline for CAE Cyber Defense & CAE Cyber Operations Applications

June 2016

CAE Designation Ceremony – TBD

CAE Contacts & Resources

CAE Cyber Defense

askCAEIAE@nsa.gov

CAE Cyber Operations

askCAECyberOps@nsa.gov

www.caecommunity.org

www.iad.gov/nietp

www.nsa.gov/academia/nat_cae_cyber_ops

CAE CYBERSECURITY RESEARCH

Congratulations to the following recipients of the 2015 CAE Cybersecurity Research Grant
(Broad Agency Announcement-003-2015 ~ \$6.25 Million) funded by the National Security Agency

Air Force Institute of Technology

North Carolina A&T State
University

University of California, Irvine

Cal State San Bernardino

Northeastern University

University of Houston

Dakota State University

Regis University

University of Illinois

Florida State University

Rochester Institute of
Technology

University of Maryland
Baltimore County

Hampton University

The Pennsylvania State
University

University of Memphis

Iowa State University

Towson University

University of Pittsburgh

Jacksonville State University

Mississippi State University

University of Alabama in
Huntsville

University of Washington

New Jersey Institute of
Technology

Virginia Tech

SAVE THE DATE

Nov 2nd

**CAE Community Meeting &
Designation Ceremony**

Nov 3rd - 4th

**NICE 2015: 6th Annual Conference
& Expo**

Paradise Point
San Diego, CA

For more information, visit:

www.caecommunity.org

<http://csrc.nist.gov/nice/events/nice2015/>



Join the CAE Community

Are you a member of the CAE Community website? If not, becoming a member is easy. Just go to www.caecommunity.org to register.

Designated Points of Contact (POCs) for each CAE Institution have already been pre-approved for registration. POCs can then submit nine additional names for membership.

Becoming a member has many benefits, including: keeping abreast of and posting CAE news and events (this will become a primary CAE Communication source), voting on Knowledge Unit refinement, engaging in forum discussions, and advertising CAE faculty opportunities.

Don't miss out! Register today!

Connect with us @CAECommunity:



Our CAE. Our Community. Our Future.

Meet the CAE Cybersecurity Team

National Centers of Academic Excellence in Cybersecurity (CAE-C)

- **NSA/DHS National Centers of Academic Excellence in Cyber Defense (CAE-CD)**
 - NSA/DHS National Centers of Academic Excellence in Cyber Defense Education (CAE-CDE)
 - NSA/DHS National Centers of Academic Excellence in Cyber Defense Research (CAE-R)
 - NSA/DHS National Centers of Academic Excellence in Cyber Defense 2Y Education (CAE-2Y)
- **National Centers of Academic Excellence in Cyber Operations (CAE-CO)**

NSA

Steve LaFountain
Dean, College of Cyber

CAE-CD

B. Lynne Clark
Chief, National IA Training & Education Program

Lori Pfannenstein
Program Manager, CAE-CD

Karen Leuschner
Program Manager, CAE-CDE

Lynn Hathaway
Program Manager, CAE-R

Denisha Jackson
Program Manager, CAE-2Y

Ken Rochon
Program Manager, SEAL

Alice Shaffer
Program Manager, IASP

Bryan Embry
Technical Advisor, CAE-CD

CAE-CO

Heather Eikenberry
Program Manager, CAE-CO

DHS

CAE-CD

Dan Stein
Program Lead, National Cybersecurity Training & Education Program

Danielle Santos
Program Manager, CAE/SFS

Dan, Dan, he's our man!
If he can't do it,
no one can!
Welcome Back
Dan Stein!