

Wifi: Hyatt_Meetings
Pass: CAE_2018

CAE in Cybersecurity Symposium

November 8th-9th, 2018
Hyatt Regency
400 SE Ave
Miami, FL, 33131



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Welcome to the Symposium



Each year the CAE in Cybersecurity Community gathers to talk about changes in the program, receive updates from the community, network with other members, and listen to pressing issues in the community. This year, we've invited the NIETP Program Office as well as DHS, NIST/NICE, NST, and the DOL to talk about programs of importance to our community.

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NICE

NATIONAL INITIATIVE FOR
CYBERSECURITY EDUCATION

Special thank you to the
National Initiative for
Cybersecurity for sponsoring this
event!

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Special thank you to the
National Security Agency for
sponsoring the CRRC Breakout
Sessions!

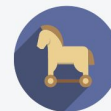
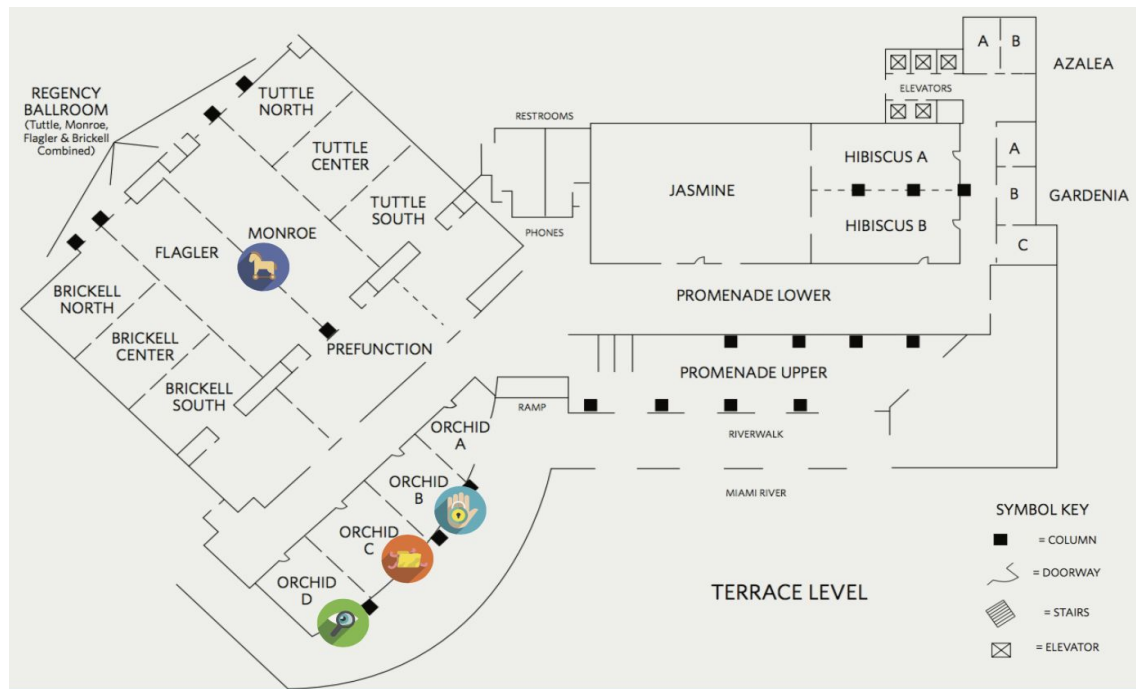


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Symposium Map



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Ballroom Icon, Purple



Orchid B, Sky Blue



Orchid C, Orange



Orchid D, Green

Symposium Schedule - Thursday



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Thursday, November 8th, 2018

8:00am		Welcome and Logistics
8:10am		CAE in Cybersecurity Community Updates, Tony Coulson
8:20am		NIETP Program Office Updates, Lynne Clark
9:20am		Other Program Updates, Dan Stein (OHS), Rodney Petersen (NICE), Susanne Wetzel (NSF), Carolyn Renick (ODL)
10:10am		Morning Break
10:20am		CAE Virtual Career Fair, Tony Coulson
10:30am		CAE Spotlight, Wayne Pauli
11:00am	BR	Research Presentations
12:30pm		Working Lunch (Resources for the Community)
1:30pm	BR	CRRC Breakout Sessions
2:50pm		Afternoon Break
3:00pm		Fastpitch Session
4:10pm		Discussion
5:00pm		Evening Break
5:10pm	BR	National Cybersecurity Curriculum Project
7:00pm		Dismissal

Icons will help you navigate









CRRC Breakout Session
Schedule Separate

Speaker Schedule Separate

Presentation Agenda



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Time	Room	Presentation Title
11:00am		Infusing Risk Management into Cybersecurity Education
11:00am		Mapping Hands-on Cybersecurity Labs to CAE Knowledge Units and the NICE Framework
11:00am		Cyber Up! Digital Forensics and Incident Response (DFIR) project at Coastline College
11:00am		Teaching Cybersecurity Across the Disciplines
11:30am		Adapting Security Through Community Engagement
11:30am		Lessons Learned in Cybersecurity Outreach Pre-Engineering Workshops at Polytechnic University of Puerto Rico
11:30am		A Comparison of Online Course Designs for Cybersecurity Education
11:30am		The ACM/IEEE/AIS/IFIP Joint Task Force on Cybersecurity Education: The CSEC2017 Cybersecurity Curricular Guidelines
12:00pm		The Centrality of Adversarial Thinking for Cybersecurity Education
12:00pm		Introducing Cyber Labs into Engineering Courses and Developing Curriculum Leading to a Specialization
12:00pm		Reach To Teach
12:00pm		Hands-on Learning Experiences for Cyber Threat Hunting Education

Icons will help you navigate.
Speaker Bios and Abstracts on
pages 8-18.



Fastpitch Icon, Red



Presentation Icon, Yellow



Ballroom Icon, Purple



Orchid B, Sky Blue



Orchid C, Orange



Orchid D, Green





CRRC Breakout Sessions



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Each CRRC will have some time to communicate with the members of their region.

CAE Regional Resource Center Meeting Rooms

Time	Ballroom 	Orchid B 	Orchid C 	Orchid D 
1:30pm	National Capital Region	South Western Region	Central Eastern Region	North Central Region
2:10pm	North Eastern Region and South Eastern Region	South Central Region	Northwest Region	Mid-Western Region

Fastpitch Agenda



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Icons will help you
navigate. Speaker
Bios and Abstracts
on pages 8-18.

3:00pm		CLARK: A Living Cybersecurity Digital Library
3:10pm		An Exploratory Analysis on Cybersecurity Ecosystem using NICE Framework
3:20pm		Understanding Workforce Attributes by Exploring Empirical Career Pathways of Cybersecurity Industry Professionals
3:30pm		The University of Arizona Cyber Virtual Learning Environment (VLE)
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3:50pm		Bridging the Gap: Developing Innovative Minds Early On for Cybersecurity
4:00pm		PASS using Blockchain Technology and its Risks and Challenges
4:10pm		Introducing the CSUSB Society of Women in Cybersecurity (SWiCS)

Symposium Schedule - Friday



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Special Interest Group
abstracts on page 18

Symposium Map on page 19

Friday, November 9th, 2018

	Orchid B 	Orchid C 
8:00am	NICE Challenge Project	CAE in Cybersecurity Community Website Overview
9:00am	CAE-COE 2019 Knowledge Units	
10:00am	DoD Cybersecurity Scholarship and CAE Cybersecurity Grant Boot-Camp	Southeast CAE Community Collaborative Projects: Working Session
11:00am		
12:00pm	Lunch Break	Lunch Break
1:00-4:00pm	Mentor/Peer Reviewer Training	

Faculty Opportunities



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FACULTY OPPORTUNITIES

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Cybersecurity faculty, professionals, and Master's or PHD Graduates can find jobs for CAE designated institutions through the listings below. Listings are by University with the most recent at the top. CAE in cybersecurity designated institutions can post job listings (when logged in) free of charge.

Faculty Opportunities

Computer Science

Assistant or Associate Professor of Cybersecurity (2 Positions)

Norwich University

Computer Science (Data Analytics)

Norwich University

Computer Science/Computer Security & Information Assurance

School of Computer and Cyber Sciences

Augusta University Tenure Track and Tenured Positions at the Assistant, Associate and Full Professor levels

College of Engineering

Director of Project-Based Labs

Information Networking Institute, Carnegie Mellon University

Teaching Faculty

Cybersecurity

Director of Cybersecurity

Computer Science and Cybersecurity

Open Rank (Assistant/Associate/Full Professor)

School of Information Technology

Assistant Professor in Cybersecurity

Computer Science

Tenure-track Northwestern Mutual Assistant Professor

Norwich University

Computer Security & Information Assurance (Digital Forensics)

College of Information Science and Technology

Instructor, Cybersecurity, University of Nebraska at Omaha

Business Department

John A. Logan Community College Cartersville, IL: COMPUTER INFORMATION SYSTEMS INSTRUCTOR - Tenure Track

College of Engineering

Open Rank Professor of Electrical Engineering or Cyber Engineering

Department of Mathematics and Computer Science

Two Tenure-Track Faculty Positions in Computer Science (specialized in Cybersecurity)

Cybersecurity

Cybersecurity Faculty

Department of Information Systems

Assistant or Associate Professor of Information Systems (Cybersecurity)

Gupta College of Business

Assistant or Associate Professor of Cybersecurity

You can find all available faculty positions on the CAE in Cybersecurity Community Website

<https://www.caecommunity.org/resources/cae-faculty-opportunities>



Welcome!!

CAE Community

Cybersecurity is
a serious issue...

**NIGERIAN MAN DIES AND
AUTHORITIES FIND \$27 BILLION
IN HIS APARTMENT.**



**HE HAD BEEN TRYING TO GIVE IT
AWAY FOR 15 YEARS BUT NO
ONE WOULD RETURN HIS EMAILS.**

The CAE IA program was gone



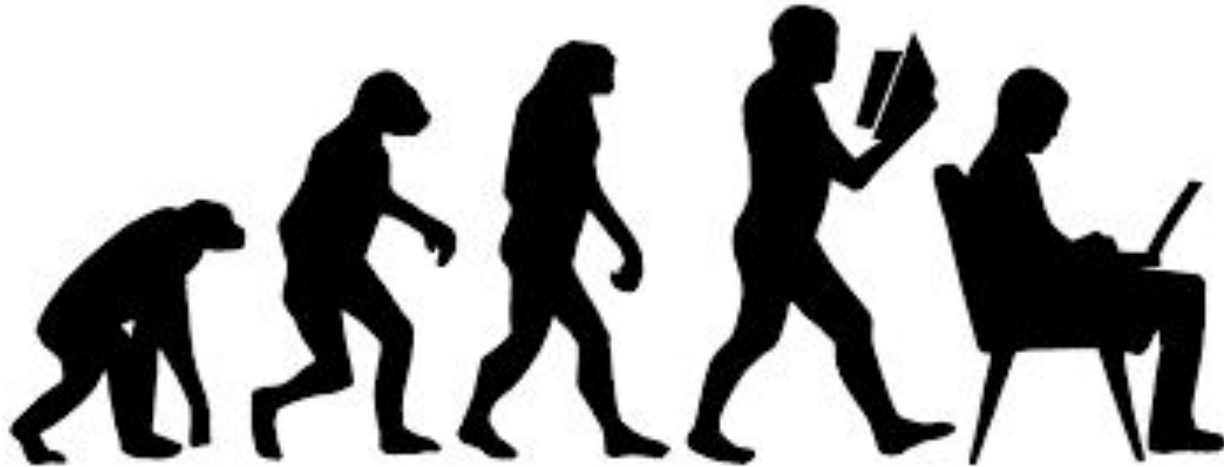


It has been 5 years...

- First CAE Community meeting was held at NIST in Gaithersburg, MD
 - 3 weeks notice, funding 1 week before!



Today we are in MIAMI with 266 schools!



The CAE Community has evolved....

Debated big questions about how to solve a national problem- cybersecurity education



And did not always agree....

Wondering if
you noticed any
tension in that
meeting.

someecards



Accomplishments...

CRRC and CNRC structures to help facilitate growth and sharing of resources

Peer review process for designations and re-designations

Executive Leadership Forums

New revisions to the KU's

Strategic partnerships

Central communication and social media

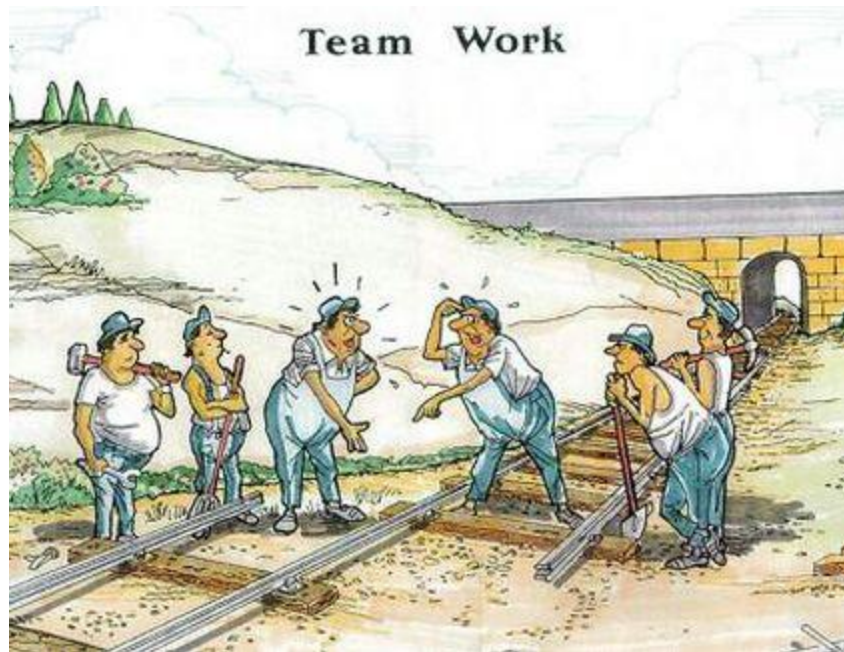
Career Fair

Support from beyond ☺



NIST

We are all on the same team...





Thug
Life



NIETP Program Office



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Learn about important
updates from the NIETP
Program Office.

Other Program Updates



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Learn about important
updates from DHS, NIST,
NSF, and the DOL.



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Morning Break

CAE Spotlight



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Learn about the exciting things members of our community are doing for our community!



Presentations















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Hear about the exciting research and developments happening all over the CAE in Cybersecurity Community. This year we have 9 presentations with 12 speakers. The presentation agenda, as well as room locations for each presentation, is listed on page 4 of your booklet.

Presentation Agenda



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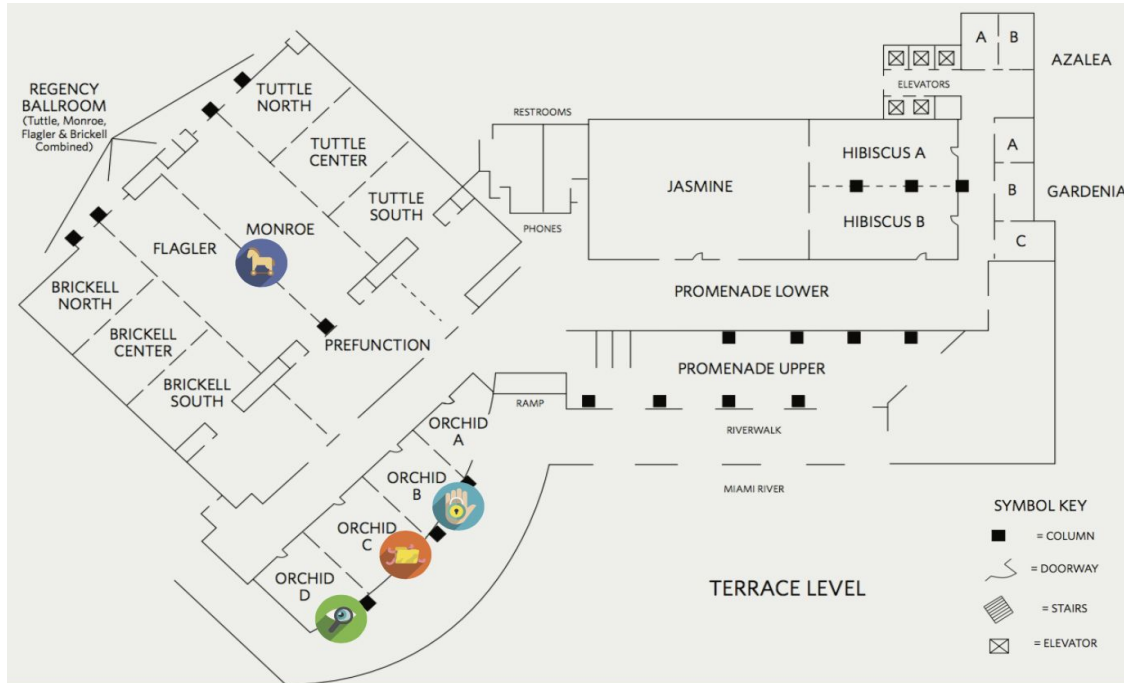
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Speaker Bios and Abstracts on
pages 8-18.

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Orchid D, Green

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Lunch Break

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Lunch Break





CRRC Breakout Sessions



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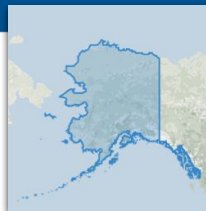
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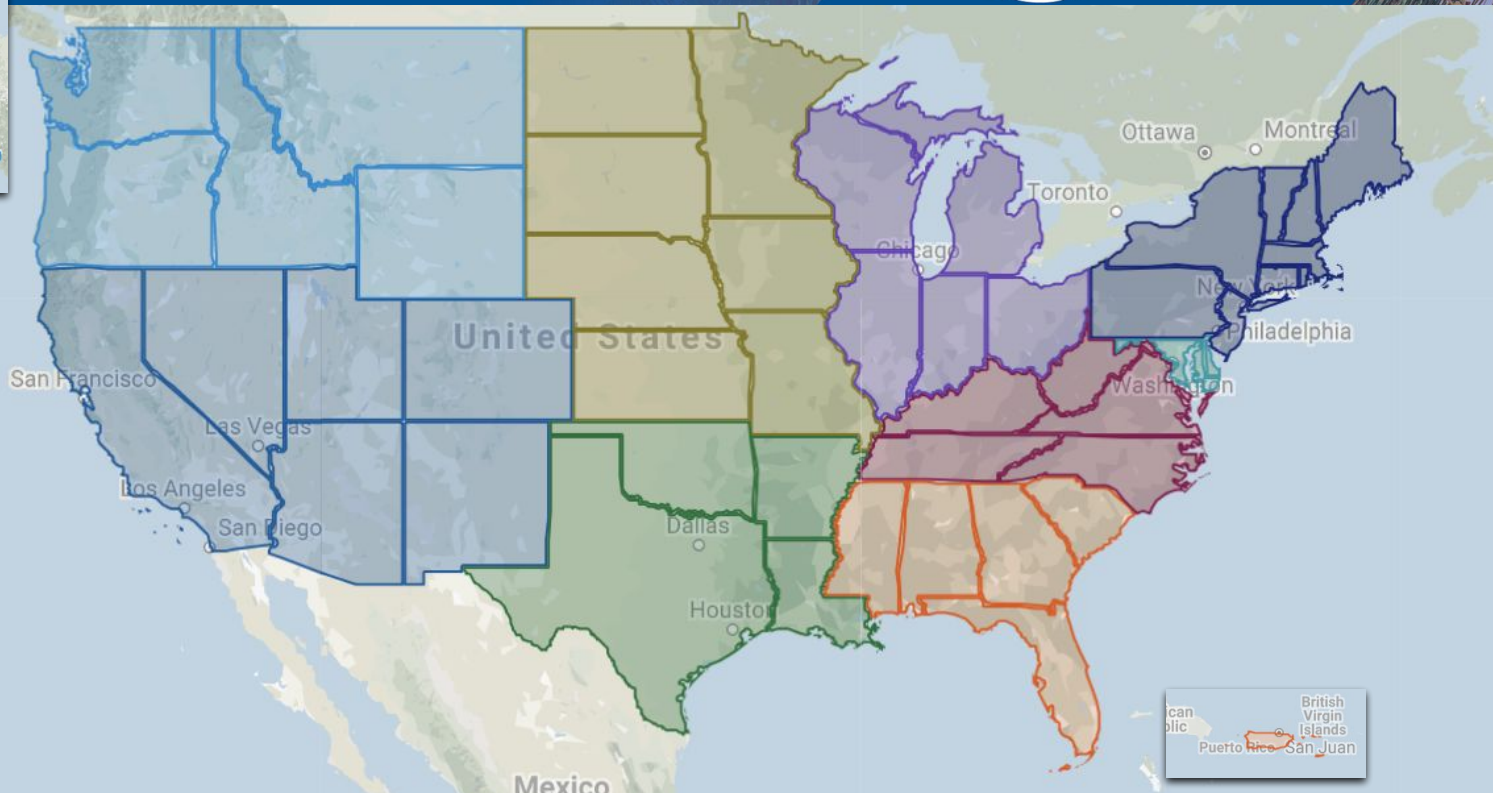
CAE Regional Map



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- North Eastern Region (9)
- North Western Region (8)
- South Western Region (8)
- North Central Region (7)
- South Eastern Region (7)
- Central Eastern Region (5)
- Mid-Western Region (5)
- South Central Region (4)
- National Capital Region (3)



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Evening Break

Fastpitch Session



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Each year we ask members of the CAE in Cybersecurity Community to present their research, projects, or meetings that are of interest to the community. This year we have seven Fastpitch speakers and a wide range of topics.

Fastpitch Agenda



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Open Discussion



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Thank you for attending the 2018 CAE in Cybersecurity Symposium!

All presentations and fast pitch sessions will be posted on the CAE in Cybersecurity Community Website. If you have additional questions, please contact info@caecommunity.org.

