

# CAE Community of Practice (CoP) for Cyber Defense (CD)



**Dr. Yair Levy**

Nova Southeastern University,  
Florida (CAE since 2005)



**Dr. Anne Kohnke**

University of Detroit Mercy,  
Michigan (CAE since 2004)



CAE CoP-  
CD



# CAE-CD CoP Mission



“To collaborate with both the CAE Community and the CAE-C Program Management Office (PMO) to build a Cybersecurity Excellence Community of Practice in Cyber Defense (CoP-CD) in order to gather and share input from the broader community as well as to provide continuous program improvement”

# CoP in a Nutshell



SCAN ME



# CoP-CD Steering Committee



SCAN ME



- Steering Committee established in November 2020 and members renewed yearly
- 2023: 30 POCs/Mentors/Reviewers with extensive experience with the CAE Program from 2yrs and 4yrs institutions
- Help prioritize the goals, objectives, and initiatives
- Provide feedback on planning and assessments of programs
- Participate as initiatives co-chairs
- Help aggregate feedback from CoP-CD members
- Serve as ambassadors and voice for the CD community

# CoP-CD Steering Committee



SCAN ME



- **Sandra Blanke** - University of Dallas
- **Gretchen Bliss** - University of Colorado Colorado Springs
- **Kelli Burgin** - Montreat College
- **Michael Burt**
- **Anna Carlin** - Fullerton College
- **Bei-Tseng “Bill” Chu** - UNC Charlotte
- **Tony Coulson** - CSUSB
- **Tirthankar Ghosh** - University of West Florida
- **Faisal Kaleem** - Metropolitan State University
- **Michael Kelly** - Community College of Rhode Island
- **Anne Kohnke** - University of Detroit Mercy
- **Yair Levy** - Nova Southeastern University
- **Wei Li** - Nova Southeastern University
- **Xiuwen Liu** - Florida State University
- **Daniel Manson** - Cal Poly Pomona

# CoP-CD Steering Committee



SCAN ME



- **Stanley Mierzwa** - Kean University
- **Jake Mihevc** - Mohawk Valley Community College
- **Stephen Miller** - Eastern New Mexico University
- **Kim Muschalek** - San Antonio College
- **Ron Pike** - Cal Poly Pomona
- **Anthony Pinto** - University of West Florida
- **Michael Ramage** - Murray State University
- **Corrinne Sande** - Whatcom Community College
- **Christopher Simpson** - National University
- **Blair Taylor** - Towson University
- **Diego Tibaquirá** - Miami-Dade College
- **Michael Tu** - Purdue University Northwest
- **Steve Weldon** - Augusta University
- **Deanne Wesley** - North Carolina Central University
- **Tobi West** - Coastline Community College

# Getting to know your fellow CAE-CDs initiative



SCAN ME



Sandra Blanke  
University of Dallas



Gretchen Bliss - University of  
Colorado at Colorado Springs



- Every 2<sup>nd</sup> Thursday of the month – a 1hr event
- Started on July 8, 2021
- 250+ CoP/faculty are signed up
- Over 80 CAE-CD institutions presented
- On average ~ 50-60 attendees a month
- Lined up already 50+ additional institutions

# Getting to know your fellow CAE-CDs initiative

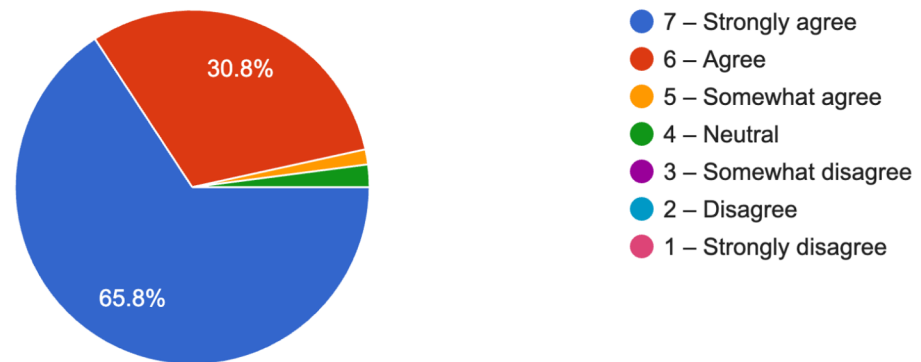


SCAN ME



I've learned something new about the CAEs during this past monthly "Getting to Know Your Fellow CAEs" event

146 responses



About 98% Agree (143/146)



# Getting to know your fellow CAE-CDs initiative

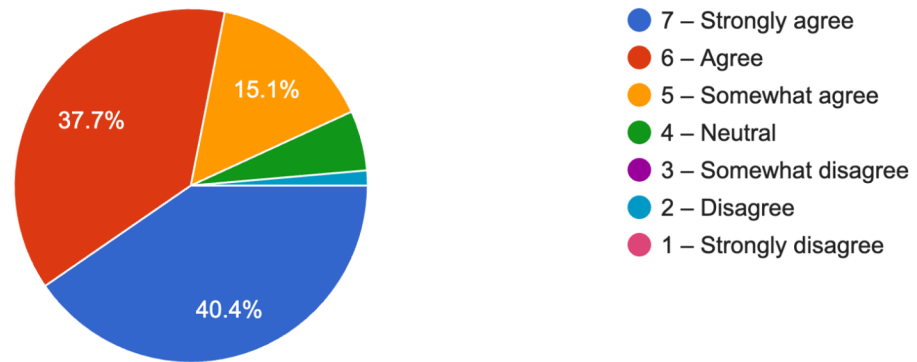


SCAN ME



I've discovered ways to collaborate, partner, and grow during this past monthly "Getting to Know Your Fellow CAEs" event

146 responses



Over 93% Agree (136/146)

# CAE-CD

## Meet Your Cyber Competition



SCAN ME



Daniel P. Manson  
Cal Poly Pomona



Jake Mihevc - Mohawk Valley  
Community College



- Every 3<sup>rd</sup> Tuesday of the month (Fall & Spring/Winter terms) - about 1hr event
- Started on Sep 20, 2022
- About 100 CoP/faculty are signed up
- Linking up events for Fall 2023 onwards

# CAE-CD

## Meet Your Cyber Competition



SCAN ME



- **Six events in 2022-2023 Academic Year:**
  - National Cyber League (NCL)
  - Western Regional CCDC
  - NCAE Cyber Games
  - Midwest CCDC
  - DoE CyberForce Competition
  - Hack The Box University CTF

# CAE-CD Meet Your Cyber Competition

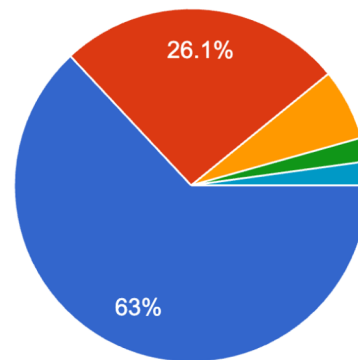


SCAN ME



I've learned something new about the Cyber Competitions during this past monthly "Meet Your Cyber Competition" event

46 responses



- 7 - Strongly agree
- 6 - Agree
- 5 - Somewhat agree
- 4 - Neutral
- 3 - Somewhat disagree
- 2 - Disagree
- 1 - Strongly disagree

About 96% Agree (44/46)

# CAE-CD Meet Your Cyber Competition

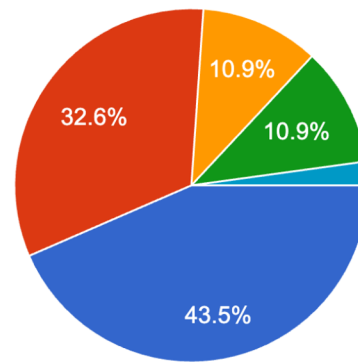


SCAN ME



I've discovered ways to engage my students in cyber competitions during this monthly "Meet Your Cyber Competition" event

46 responses



- 7 – Strongly agree
- 6 – Agree
- 5 – Somewhat agree
- 4 – Neutral
- 3 – Somewhat disagree
- 2 – Disagree
- 1 – Strongly disagree

About 87% Agree (40/46)

# CAE-CD Community Outreach Competition



Xiuwen Liu  
Florida State University



Wei Li  
Nova Southeastern University



- Yearly effort
- Develop “The Criteria, Rule, and Submission Instructions for the 2022 CAE-CD Community Outreach Competition”
- Solicit submissions from all CAEs
- CAE-CD Community Outreach Competition - 2022 Award Committee

# CAE-CD Community Outreach Competition



SCAN ME

## CAE-CD Community Outreach Competition - 2022 Award Committee



- **Xiuwen Liu** - Florida State University, Co-Chair
- **Wei Li** - Nova Southeastern University, Co-Chair
- **Bei-Tseng Chu** - University of North Carolina at Charlotte
- **Glenn Dietrich** - University of Texas at San Antonio
- **Michael Kelly** - Community College of Rhode Island
- **Stanley Kostka** - Moraine Valley Community College
- **Stanley Mierzwa** - Kean University
- **Mandy Reininger** - Chemeketa Community College
- **Michael Tu** - Purdue University Northwest
- **Steve Weldon** - Augusta University

# CAE-CD Community Outreach Competition



SCAN ME



## CAE-CD Outreach Competition - 2022 Award Winners:

### 2022 CAE-CD Community Outreach Award Winners:

**University of West Florida** - 1st Place 2022 CAE-CD Outreach Award

**Nova Southeastern University** - 2nd Place 2022 CAE-CD Outreach Award

**University of Colorado Colorado Springs** - 3rd Place 2022 CAE-CD Outreach Award

**Murray State University** - 4th Place 2022 CAE-CD Outreach Award

**Capitol Technology University** - 5th Place 2022 CAE-CD Outreach Award

**Forsyth Technical Community College** - 6th Place 2022 CAE-CD Outreach Award

**University of North Carolina Wilmington (UNCW)** - 7th Place 2022 CAE-CD Outreach Award

**University of Southern Maine** - 8th Place 2022 CAE-CD Outreach Award

**Middle Georgia State University** - 9th Place 2022 CAE-CD Outreach Award

**Kean University** and **Fairleigh Dickinson University** - Both are tie for 10th Place 2022 CAE-CD Outreach Award



# CAE-CD Industry Relations and Shared Resources



Christopher Simpson  
National University



Stephen Miller  
ENMU - Ruidoso Branch  
Community College



Tirthankar Ghosh  
University of West  
Florida



- Industry relations
- Sponsorships for CAE events
- Free + freemium resources – posted in CARD - <https://caeresource.directory/>  
CLARK - <https://clark.center/>
- Coordination on industry events



SCAN ME

# New CAE- CD Point of Contact (POC) Onboarding Process



**Anne Kohnke**  
University of Detroit  
Mercy



**Faisal Kaleem**  
Metropolitan State  
University



**Anthony Pinto**  
University of West  
Florida



**Stephen Troupe**  
Whatcomm  
Community College

- Workshop for new CAE-CD POCs
- For existing designated institutions who changed their POC
- Contact information, where to find resources, the National Centers, etc.
- One workshop conducted in Jan 2022 another in development
- Over 110 attendees



# CAE-CD Cybersecurity Experts Database



Deanne Wesley  
North Carolina Central University



Diego Tibaquirá  
Miami-Dade College



- Effort to create public-facing DB of faculty/experts on CAECommunity.org
- Self nominates
- Criteria for the DB
- Media relations

# CAE-CD Symposium Planning Committee



Tobi West  
Coastline Community College

- Establish the planning committee
- Plan the CD track at the 2023 CAE Symposium
- Solicit submissions
- Review all submissions
- Coordinate all presentations + poster files
- Schedule all presentations



# CAE-CD Symposium Planning Committee



SCAN ME

## 2023 CAE Community Symposium CAE-CD Track Planning Committee:

- **Tobi West** - Coastline Community College, Committee Chair
- **Gretchen Bliss** - University of Colorado Colorado Springs
- **Anna Carlin** - Fullerton College
- **Anne Kohnke** - University of Detroit Mercy
- **Yair Levy** - Nova Southeastern University
- **Xiuwen Liu** - Florida State University
- **Jake Mihevc** - Mohawk Valley Community College
- **Stephen Miller** - ENMU - Ruidoso Branch Community College
- **Michael Ramage** - Murray State University



# NCAE-C Student Code of Ethics and Professional Conduct



Kelli Burgin  
Montreat College



Anna Carlin  
Fullerton College



- Establish the committee
- Review professional associations' Code of Ethics and Professional Conduct
- Draft the ***'NCAE-C Student Code of Ethics and Professional Conduct'***
- Solicit CAE community feedback

# NCAE-C Student Code of Ethics and Professional Conduct



SCAN ME

## NCAE-C Student Code of Ethics and Professional Conduct Committee Members:

- **Kelli Burgin** - Montreat College, Co-Chair
- **Anna Carlin** - Fullerton College, Co-Chair
- **Crystal Dye** - Southwest Virginia Community College
- **Doug Jacobson** - Iowa State University
- **Randall Joyce** - Murray State University
- **Dan Manson** - Norwich University
- **Valarie (Vickie) McLain** - Alexandria Technical and Community College
- **Ed Skoudis** - SANS Technology Institute
- **Gary Sparks** - Metropolitan Community College





## CAE CoP-CD



**Yair Levy, Ph.D.**

Nova Southeastern University  
levyy@nova.edu



**Anne Kohnke, Ph.D.**

University of Detroit Mercy  
kohnkean@udmercy.edu

<https://www.caecommunity.org/community-of-practice/cyber-defense>