

2023 CAE Symposium Schedule

Thursday 8:00 - 8:15 am GRAND BALLROOM II & III - 4th Floor

- Welcome and Logistics
TONY COULSON & VINCENT NESTLER

Thursday 8:15 - 9:45 am

- PMO & Government Updates
LYNNE CLARK, DIBA HADI, MATTHEW ISNOR, RODNEY PETERSEN, AMBAREEN SIRAJ, ANASTACIA WEBSTER, DR. ELIZABETH KOLMSTETTER

Thursday 10:00 -10:40 am

- NCAE-C National Centers Updates
VINCENT NESTLER, KASANDRA ADAMS, SHARON HAMILTON, JOHN SANDS, CORRINNE SANDE

Thursday 10:40 - 11:00 am

- NICE Challenge Project
JAMES ASHLEY

Thursday 11:00 - 11:30 am

- NCAE Competitions
JAKE MIHEVC

Thursday 11:30 - 12:00 pm

Lunch Served at tables

Thursday 12:00 -12:45 pm

- CAE Community of Practice (CoP)-CD
YAIR LEVY, NOVA SOUTHEASTERN UNIVERSITY ANNE KOHNKE, UNIVERSITY OF DETROIT MERCY
- NCAE-C Student Code of Ethics and Professional Conduct
KELLI BURGIN, MONTREAT COLLEGE ANNA CARLIN, FULLERTON COLLEGE

Thursday 1:00 -2:00 pm

GRAND BALLROOM II & III - 4th Floor

SESSION CHAIR: DIEGO TIBAQUIRA

- National Cybersecurity Curriculum Task Force
CARA TANG, PORTLAND COMMUNITY COLLEGE
- Helping to Increase the Numbers of Underrepresented Minorities in Cybersecurity
DIEGO TIBAQUIRA, MIAMI DADE COLLEGE
- Beyond GenCyber: Promoting Diversity and Inclusion in Cybersecurity with an Effective Outreach Program
SANDRA LEITERMAN, UNIVERSITY ARKANSAS AT LITTLE ROCK
- The Cybersecurity Workforce Challenge: Are Academically Qualified Faculty Members the Bottleneck?
DR. ANNE KOHNKE, UNIVERSITY OF DETROIT MERCY DR. YAIR LEVY, NOVA SOUTHEASTERN UNIVERSITY

GRAND BALLROOM I - 4th Floor

SESSION CHAIR: FAISAL KALEEM

- Escaping the Mundane: Gamifying Cyber Education with Escape Rooms
JONATHAN KAMYCK, SOUTHERN NEW HAMPSHIRE UNIVERSITY
- Building a Winning Cyber Team: Cracking the NSA Codebreaker Challenge
CARLOS SAPIJASZKO & DARCEL FORD, STRAYER UNIVERSITY
- Mapping the Competitions Landscape for the CAE Community
JAKE MIHEVC, MOHAWK VALLEY COMMUNITY COLLEGE

FIFTH AVENUE - 4th Floor

SESSION CHAIR: DEANNE CRANFORD-WESLEY

- Repair Broken Cybersecurity Hiring and Realistic Job Requirements and Expanded Candidate Resources
SANDRA BLANKE, UNIVERSITY OF DALLAS
- Business and Industry Leadership Team (BILT)
GARY SPARKS, METROPOLITAN COMMUNITY COLLEGE, OMAHA
- Five Steps to Building Corporate Relationships, Curriculum Collaboration and Customization
MORGAN ZANTUA & AHREUM JU, CITY UNIVERSITY OF SEATTLE
- Establishing a Large-Scale, Dynamic Consortium in Support of Cybersecurity Education
WALEED FARAG, INDIANA UNIVERSITY OF PENNSYLVANIA

Thursday 1:00 -2:00 pm Cont.

CASCADE I - 2nd Floor

SESSION CHAIR: ANNA CARLIN

- **Cyberpreneurship: The Fusion of Cybersecurity and Entrepreneurship**
SKIP BERRY, RIVERSIDE COMMUNITY COLLEGE
- **Ready for Work: Incorporating Experiential Learning into Degree Pathways**
EDWARD VASKO, CISSP, BOISE STATE UNIVERSITY
- **A Platform for Aligning Classroom Assessments to Job Postings**
DR. RAM DANTU, THE UNIVERSITY OF NORTH TEXAS
- **Building and Maintaining K-12 Pathways**
ANDREW LUTZ, JOHNSON COUNTY COMMUNITY COLLEGE

CASCADE II - 2nd Floor

SESSION CHAIR: STAN MIERZWA

- **Building the Cybersecurity Pipeline: K12 Cybersecurity Credit Transfer Agreement Development**
DR. MICHAEL TU & MICHAEL SBALCHIERO, PURDUE UNIVERSITY NORTHWEST
THOMAS (TONY) BROWN, FORSYTH TECH COMMUNITY COLLEGE
- **Jumpstart Project at College for Southern Nevada**
MARGARET TAYLOR, COLLEGE OF SOUTHERN NEVADA
- **Best Practices in Cybersecurity Pathway Education; a 3-Year NSF-ATE Project**
BEHZAD IZADI, CYPRESS COLLEGE

Thursday 2:00 -2:45 pm

GRAND BALLROOM II & III - 4th Floor

SESSION CHAIR: MICHAEL TU

- **RING - Introduction of Cybersecurity Curriculum into High Schools in Hawaii**
DEBASIS BHATTACHARYA, UNIVERSITY OF HAWAII MAUI COLLEGE
- **Cybersecurity Leadership: Growing the Maconachy, Schou, Ragsdale (MSR) Model to Identify New Cyber Skills**
DR. ERVIN FRENZEL, COLLIN COLLEGE

GRAND BALLROOM I - 4th Floor

SESSION CHAIR: KELLI BURGIN

- **Leveraging Professional Associations**
ANNA CARLIN, FULLERTON COLLEGE
- **Cybersecurity Pathways: Report on a Systems Based Approach Through Mentoring**
LONNIE DECKER, DAVENPORT UNIVERSITY
- **Impact of Generative Artificial Intelligence on Cybersecurity Education**
DULAL CHANDRA KAR, TEXAS A&M UNIVERSITY - CORPUS CHRISTY
- **Navigating Work Skill Readiness Using ChatGPT**
DR. RAM DANTU (ON BEHALF OF THOMAS MCCULLOUGH), UNIVERSITY OF NORTH TEXAS

FIFTH AVENUE - 4th Floor

SESSION CHAIR: ANNE KOHNKE

- **Teaching with Cybersecurity Playable Case Studies**
DEREK HANSEN, BRIGHAM YOUNG UNIVERSITY
- **Using Cyber Competitions to Bridge the Gap from Curriculum to Careers**
DR. NELBERT "DOC" ST. CLAIR, COLLEGE OF COASTAL GEORGIA

CASCADE I - 2nd Floor

SESSION CHAIR: MICHAEL KELLY

- **Integrating CMMC into University Cybersecurity Curriculum**
MATT PAULSON, WEBER STATE UNIVERSITY
- **Investing in and Expanding Student Development Programs**
ISRAEL EMMANUEL, CENTURY COLLEGE
- **Secure Mission Control for Autonomous Underwater Swarms**
XIUWEN LIU & MIKE BURMESTER, FLORIDA STATE UNIVERSITY

CASCADE II - 2nd Floor

SESSION CHAIR: JAKE MIHEVC

- **Enhancing Advanced Cybersecurity Education through Inclusive, Engaging Pedagogy**
HARINI RAMAPRASAD, UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
- **ChatGPT and AI Tools Impact on Cybersecurity Education**
ROBERT J. LOY, GRAND CANYON UNIVERSITY

Thursday 3:00 -4:00 pm

VASHON - 3rd Floor

SESSION CHAIR: TOBI WEST

- **Call for Curriculum: National Cybersecurity Task Force**
CARA TANG, PORTLAND COMMUNITY COLLEGE
- **Cyber Competitions: Launching a new CAE Faculty Collaboration: CAE-CD Community of Practice on Competitions**
JIM MIHEVC, MOHAWK VALLEY COMMUNITY COLLEGE DAN MANSON, CAL POLY POMONA

GRAND BALLROOM II & III - 4th Floor

SESSION CHAIR: GRETCHEN BLISS

- **The Role of Cyber Defense Education: A Case Study of National Cyber League (NCL) Participation**
PING WANG, ROBERT MORRIS UNIVERSITY
- **Online Student Development in Cybersecurity using a Game Based Learning Pedagogy**
ALEKSEI WOLFE, PURDUE UNIVERSITY GLOBAL
- **Advanced Persistent Threats as Case Studies for Cybersecurity Education**
LI-CHIOU CHEN & JOSEPH ACAMPORA, PACE UNIVERSITY

GRAND BALLROOM I - 4th Floor

SESSION CHAIR: STEPHEN MILLER

- **Assessing Cyber Competencies with Capstone Projects**
CHUCK BANE, UNIVERSITY OF SAN DIEGO
- **CAE-CD Rapid Training Program**
DIANNE BURKE, MISSOULA COLLEGE UNIVERSITY OF MONTANA
- **Gacho Security Operation Center = Internship**
MARTIN BENCIC, GLENDALE COMMUNITY COLLEGE
- **Partnership with Vendors**
ALBERT TAY, BRIGHAM YOUNG UNIVERSITY

FIFTH AVENUE - 4th Floor

SESSION CHAIR: GREG LAIDLAW

- **InDeMASS: An AI-Enabled Knowledge Guided Framework for Realizing In-Depth Malware Analysis at Scale**
XIUWEN LIU, FLORIDA STATE UNIVERSITY
- **Evolving Undergraduate Cybersecurity Programs to Counter Evolving Cyber Threats: Integration of Malware Analysis**
MATTHEW A. CHAPMAN, UNIVERSITY OF HAWAII - WEST OAHU
- **Container-based Ethical Application Hacking Hands-on Labs**
PHU PHUNG, UNIVERSITY OF DAYTON

CASCADE I - 2nd Floor

SESSION CHAIR: ANNE KOHNKE

- **Evidencing Competencies through Cyber Competitions**
JAKE MIHEVC, MOHAWK VALLEY COMMUNITY COLLEGE DAN MANSON, CAL POLY POMONA
- **High-Skilled Aviation and Aerospace Cybersecurity Workforce Development**
RADU BABICEANU, EMBRY-RIDDLE AERONAUTICAL UNIVERSITY - DAYTONA BEACH CAMPUS
- **Cloud-based Intelligent Classification and Active Defense Approach for IoT Security**
PRASAD CALYAM, UNIVERSITY OF MISSOURI - COLUMBIA

CASCADE II - 2nd Floor

SESSION CHAIR: JIM POARCH

- **The NCAE Cyber Games Platform and You!**
JAMES RICE, MOHAWK VALLEY COMMUNITY COLLEGE
- **Student Perception of Cyber Resilience vs Prevention**
FRANK H. KATZ, GEORGIA SOUTH UNIVERSITY
- **Making Cybersecurity Work Roles More Attractive with Music: Aligning Music to Cyber**
STAN MIERZWA, KEAN UNIVERSITY
- **Public Infrastructure Security Cyber Education Systems (PISCES)**
ERIK FRETHEIM, WESTERN WASHINGTON UNIVERSITY

Thursday 4:00 -4:30 pm

GRAND BALLROOM II & III - 4th Floor

SESSION CHAIR: DIEGO TIBAQUIRA

- **Critical Infrastructure Protection & Incident Response Training**
THOMAS GALLAGHER, UNIVERSITY OF MONTANA GRETCHEN BLISS, UNIVERSITY OF COLORADO, COLORADO SPRINGS

Thursday 4:00 -4:30 pm Cont.

GRAND BALLROOM I - 4th Floor

SESSION CHAIR: SANDRA BLANKE

- **University of Memphis - Student Research Projects**
TONY PINSON, UNIVERSITY OF MEMPHIS
- **Increase Enrollment by Raising Standards**
SUSAN FRANK, SUFFOLK COUNTY COMMUNITY COLLEGE

CASCADE I - 2nd Floor

SESSION CHAIR: MICHAEL TU

- **Revolutionizing Education with ChatGPT and Generative AI**
DAVID BREEDING, EAST COAST POLYTECHNIC INSTITUTE, ECPI UNIVERSITY
- **Secure Flash - Lattice of Trust**
VIJAY ANAND, UNIVERSITY OF MISSOURI, ST. LOUIS

CASCADE II - 2nd Floor

SESSION CHAIR: JAKE MIHEVC

- **Creating Cybersecurity Discussions: The Good, the Bad, and the Engaging!**
CATHERINE SEAVER, EXCELSIOR UNIVERSITY
- **Alumni Relations and Involvement**
ISRAEL EMMANUEL, CENTURY COLLEGE

Friday 8:00 - 8:30 am GRAND BALLROOM II & III - 4th Floor

Working Breakfast

Friday 8:30 - 8:40 am

- ● **CARD and CLARK** SIDD KAZA & BLAIR TAYLOR

Friday 8:40 - 9:15 am

- **Keynote ONCD** ALBERT PALACIOS

Friday 8:40 - 9:15 am

- **CAE Community** SERVICE RECOGNITIONS

Friday 10:15-10:55 am

FIFTH AVENUE - 4th Floor ends 10:55 am

- ● **CAE-R INSuRe Faculty Panel**
SANJAY GOEL, SUNY ALBANY BILL HAYNES, UNIVERSITY OF ARIZONA
BRIAN RICKS, UT DALLAS TONY COULSON, CSUSB

GRAND BALLROOM II & III - 4th Floor ends 11:15 am

- ● **CAE-CD Community Outreach Competition: Two Years Experience**
WEI LI, NOVA SOUTHEASTERN UNIVERSITY XIUWEN LIU, FLORIDA STATE UNIVERSITY
- ● **A Collaborative Case Study: Increasing Undergraduate Research in Cybesecurity at HBCUs**
CHUTIMA BOONTHUM-DENECKE, HAMPTON UNIVERSTIY IDONGESIT MKPONG-RUFFIN, FLORIDA A&M UNIVERSITY
- **Cybersecurity Employment Outcomes of Two-Year College Alumni**
TOBI WEST, COASTLINE COLLEGE

Friday 11:00 -11:45 am

FIFTH AVENUE - 4th Floor

- **CAE-R PoC Meeting**

Friday 11:15 -11:55 am

GRAND BALLROOM II & III - 4th Floor

- ● **CTE-CyberNet: Strengthening the Nation's Cyber Workforce**
KIM MUSCHALEK, SAN ANTONIO COLLEGE DR. STEPHEN MILLER, EASTERN NEW MEXICO UNIVERSITY, RUIDOSO
DR. JOHN SANDS, MORAIN VALLEY COMMUNITY COLLEGE JOHN ROBERTS, LUMINARY LABS

Friday 12:00 pm

- **Closing Remarks & Dismissal**