



CAE
IN CYBERSECURITY
COMMUNITY

2024 SYMPOSIUM April 16-17





CAE
IN CYBERSECURITY
COMMUNITY

Centers of Academic Excellence
IN CYBERSECURITY COMMUNITY

Galt House Hotel
140 N. Fourth Street
Louisville, KY 40202



WELCOME

to the Symposium

We are thrilled to have you join us in the heart of Louisville for this pivotal event in cybersecurity. This symposium is a unique convergence of leading minds and innovative spirits in the field. Within this booklet, you will find all you need to navigate the event: a comprehensive schedule of keynotes, panels, and workshops; profiles of our esteemed speakers; details about interactive sessions; and information on networking opportunities. This gathering is not just about sharing knowledge; it's an opportunity to foster collaboration, innovation, and professional growth. We encourage you to immerse yourself in the discussions, share your valuable insights, and connect with your peers in the field.

We hope you enjoy the symposium and the vibrant atmosphere of Louisville!

Tony COULSON
CAE in Cybersecurity Community

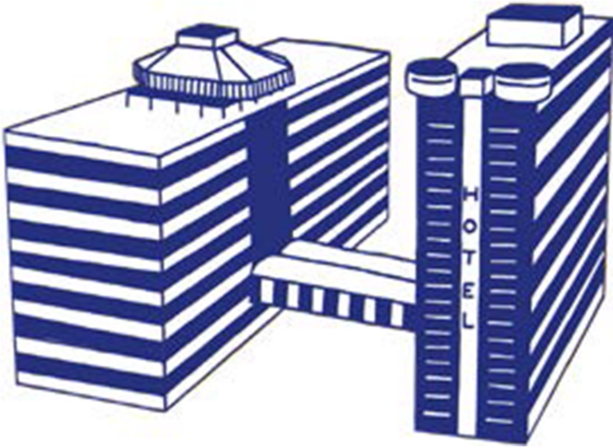
CONFIDENTIALS



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Galt House Hotel Event Map

Floor Plans & Event Locations



West Tower

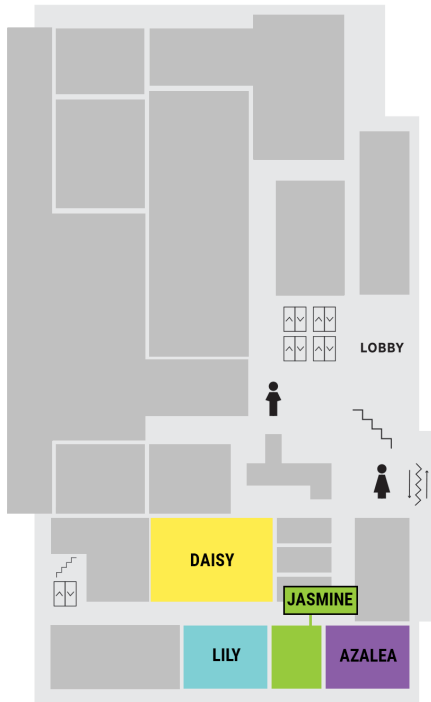
East Tower

East Tower



FIRST FLOOR

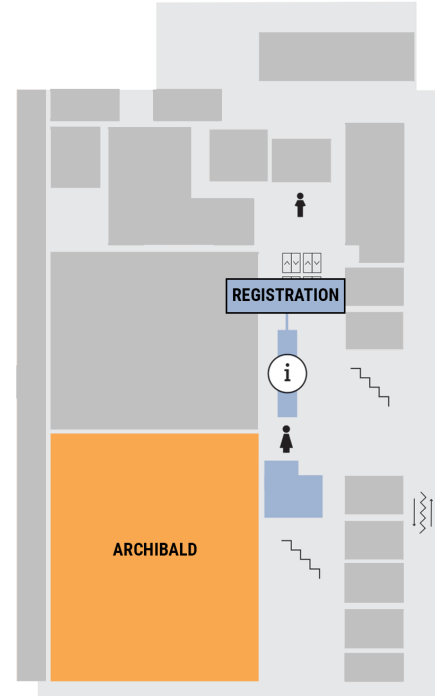
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THIRD FLOOR

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Speaker Info



Lynne Clark

Deputy Chief,
College of Cyber E3C,
National Cryptologic University



Patrick Johnson

Director,
Workforce Innovation Directorate,
DoD CIO



Emmanuel G. Collins, Ph.D.

Dean,
J.B. Speed School of Engineering at
the University of Louisville



Sharon Kerrick, Ph.D.

Assistant Vice President,
Digital Transformation Center and
Pathways Coalition Team at the
University of Louisville



Tony Coulson, Ph.D.

Executive Director,
CAE Community National Center at
CSU San Bernardino



Victor Piotrowski, Ph.D.

Lead Program Director,
National Science Foundation



Diba Hadi, Ph.D.

Senior Academic Advisor,
FBI Operational Technology
Division



Davina Pruitt-Mentle, Ph.D.

Lead for Academic Engagement,
National Initiative for Cybersecurity
Education at the National Institute
of Standards and Technology



Michael Howell

Associate Chief,
CISA Academic Programs and
Outreach



Neal Ziring

Technical Director,
NSA Cybersecurity Directorate

Symposium Agenda

Pre-Registration Monday, April 15, 2024

5:00 - 7:00 pm

Early Check-In

Event Day 1

Tuesday, April 16, 2024

7:00 am

Registration Opens

Foyer in Front of Archibald and Addition

8:00 am

Welcome and Logistics

Archibald and Addition

Dr. Tony Coulson - CAE Community

8:05 am

University of Louisville

Archibald and Addition

Dr. Emmanuel Collins & Dr. Sharon Kerrick - University of Louisville

8:20 am

A Word to the Community

Archibald and Addition

Dr. Tony Coulson - CAE Community

8:40 am

Panel: NIST, NSF, CISA, FBI, DOD CIO

Archibald and Addition

Dr. Davina Pruitt-Mentle - NIST, Dr. Victor Piotrowski - NSF, Michael Howell - CISA, Dr. Diba Hadi - FBI, Patrick Johnson - DoD CIO

9:30 am

NCAE-C National Centers Strategic Topics

Archibald and Addition

Lynne Clark - National Cryptologic University, Dr. Tony Coulson - CAE Community, Dr. Sharon Hamilton - Norwich University CPNC, Dr. John Sands - Moraine Valley Community College EPNC, Michele Robinson - NCyTE Center, Whatcom Community College CCNC

10:30 - 11:55 am

Working Group - Strategic Issues

Archibald and Addition

EPNC: K12 Cybersecurity Pathways in Communities

Dr. John Sands & Jiri Jirik - Moraine Valley Community College EPNC, Dr. Tania Williams & Jesse R. Hairston - Center for Cybersecurity Research and Education at The University of Alabama in Huntsville

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Symposium Agenda

10:30 - 11:55 am

Working Group - Strategic Issues

Daisy

CPNC: Employability - A Competency Essential Element

Dr. Zoe Fowler & Dr. Sharon Hamilton - Norwich University CPNC, Dr. Vincent Nestler - CSU San Bernardino Cybersecurity Center, Kelli J. Burgin - Montreat College

10:30 - 11:55 am

Working Group - Strategic Issues

Lily

CNC: CAE Community Digital Resources

Dr. Tony Coulson, Kasandra Adams, Vanessa Zaldivar, Alexander Edsell, & Hannah Samy - CAE Community, James Ashley - CSU San Bernardino Cybersecurity Center, R&D Division

10:30 - 11:55 am

Working Group - Strategic Issues

Azalea

CCNC & PRNC: Program Development Strategies

Stephen Miller - Eastern New Mexico University - Ruidoso Branch Community College PRNC, Michele Robinson - NCyTE Center, Whatcom Community College CCNC, Stephen Troupe - Whatcom Community College CCNC

11:55 - 12:10 pm

Break & Pick-Up Boxed Lunches

12:10 pm

Working Lunch - Strategic Issues

Archibald and Addition

Continued in Breakout Rooms

1:00 pm

NCAE and National Center Updates

Archibald and Addition

Lynne Clark - National Cryptologic University, Dr. Tony Coulson - CAE Community, Dr. Sharon Hamilton - Norwich University CPNC, Dr. John Sands - Moraine Valley Community College EPNC, Michele Robinson - NCyTE Center, Whatcom Community College CCNC

1:40 pm

NICE Challenge/XPCyber Updates

Archibald and Addition

James Ashley - CSU San Bernardino Cybersecurity Center, R&D Division

2:00 pm

NCAE Cyber Games Updates

Archibald and Addition

Jake Mihevc - Mohawk Valley Community College



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Symposium Agenda

Event Day 1

Tuesday, April 16, 2024

2:20 pm

Break

2:30 - 3:45 pm

CAE-CoP Meeting

The CO Designation: Past, Present, and Future Part 1 (Invite Only)

Jasmine

Dr. Seth Hamman - Cedarville University, Dr. Drew Hamilton - Texas A&M

2:30 - 4:30 pm

**CAE-CD
Presentations**

Archibald and Addition

**CAE-CD
Presentations**

Lily

**CAE-CD
Presentations**

Violet

**CAE-CD
Presentations**

Azalea

**CAE-CD
Presentations**

Daisy

4:00 - 4:30 pm

CAE-CO Presentations

Jasmine

Dane Brown - United States Naval Academy, TJ O'Connor - Florida Institute of Technology

4:30 - 4:40 pm

Transition to Main Ballroom

4:40 - 5:00 pm

Closing Discussion

Archibald and Addition

Dr. Tony Coulson - CAE Community, Dr. Vincent Nestler - CSU San Bernardino Cybersecurity Center

5:00 - 7:00 pm

CAE Poster Sessions & Sponsor Reception

Hallway of the 2nd

Heavy Hors D'oeuvres

Floor of the West Tower

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Wi-Fi SSID: CAESymposium24 Password: Cybersecurity24!

Symposium Agenda

Event Day 2 Wednesday, April 17, 2024

7:00 am

Breakfast

Archibald and Addition

8:00 am

Wake-Up & Logistics

Dr. Tony Coulson - CAE Community

Archibald and Addition

8:10 am

CARD and CLARK

Dr. Sidd Kaza & Dr. Blair Taylor - Towson University

Archibald and Addition

8:20 am

Keynote: The Future of Cyber and AI

Neal Ziring - NSA Cybersecurity Directorate

Archibald and Addition

8:45 am

CAE Communities of Practice Updates

Archibald and Addition

CAE-CD: Dr. Yair Levy - Nova Southeastern University, Dr. Anne Kohnke - University of Detroit Mercy
CAE-CO: Dr. Seth Hamman - CISA Academic Programs and Outreach, Dr. Drew Hamilton - Texas A&M
CAE-R: Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

10:15 am

Break

10:25 am

INSuRE Panel

Archibald and Addition

Moderators: Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology
Problem Mentors: Bre'Ona Williams - NSA, Dr. Benjamin Blakely - Argonne National Library
Faculty: Tommy Morris - The University of Alabama in Huntsville, Yesem Peker - Columbus State University
Students: Dylan Johnson - University of South Alabama, Marlon Schumacher - University of Texas at Dallas

11:25 am

CAE Community Service Recognitions

Archibald and Addition

Dr. Yair Levy - Nova Southeastern University, Dr. Anne Kohnke - University of Detroit Mercy

11:55 am

Address the Community

Archibald and Addition

Dr. Tony Coulson - CAE Community, Dr. Vincent Nestler - CSU San Bernardino Cybersecurity Center

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Symposium Agenda

12:15 pm

Working Lunch - CAE-CD Fireside Chat

Panel on US-UK Cross-Border Cybersecurity Collaboration

Archibald and Addition

Dr. Tony Coulson - CAE Community, Dr. Deanne Cranford-Wesley - North Carolina Central University, Stephen Miller - CAE Peer Review Center at Eastern New Mexico University - Ruidoso Branch Community College, Dr. Costis Toregas - The George Washington University

1:10 - 1:40 pm

CAE-CD Presentations

Archibald and Addition

1:10 - 2:30 pm

CAE-CD Presentations

Jasmine

1:10 - 4:30 pm

CAE-CD Presentations

Lily

CAE-CD Presentations

Violet

CAE-CD Presentations

Azalea

CAE-CD Presentations

Daisy

1:45 - 2:30 pm

CAE-R PoC Meeting

Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

Archibald and Addition

2:30 - 2:40 pm

Break

2:40 - 4:00 pm

CAE-R Birds of a Feather

Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

Archibald and Addition

2:40 - 3:30 pm

CAE-CO How to Become a CO School

Dr. Seth Hamman - Cedarville University

Jasmine

3:30 - 4:30 pm

CAE-CD Presentations

Jasmine

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Symposium Agenda

Event Day 2 Wednesday, April 17, 2024

4:00 - 4:30 pm

CAE-R Birds of a Feather Report Out

Archibald and Addition

Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

4:30 pm

Transition to Main Ballroom

4:40 pm

Closing Discussion Keynote

Archibald and Addition

Norma Krayem - Van Scoyoc Associates Cybersecurity, Privacy & Digital Innovation Group

5:00 pm

PMO Meeting Pre-Registration/Check-in



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Event Day 1

Tuesday, April 16, 2024

2:30 pm - **Archibald and Addition**
3:30 pm Session Chair: Jake Mihevc

CAE-CD Community of Practice Faculty Opportunities Initiative

Michael Nowatkowski - Augusta University, Kim Muschalek - San Antonio College

Shrinking the Cybersecurity Workforce Gap through Collaborative Upskilling and Reskilling Programs

Eman El-Sheikh - University of West Florida, Dr. Sharon Kerrick & Dr. Adel Elmaghraby - University of Louisville, Michael Tu - Purdue University Northwest

CLARK meet CLAIR (Cybersecurity Literate Artificially Intelligent Resource): Building a companion AI for CLARK

Paige Flores, Dr. Sidd Kaza, & Dr. Blair Taylor - Towson University

3:30 pm - **Archibald and Addition**
4:30 pm Session Chair: Dr. Anne Kohnke

Addressing the Critical Shortage of Cybersecurity Instructors

Ram Dantu - University of North Texas, Dr. Yair Levy - Nova Southeastern University, Cihan Tunc - University of North Texas

Red-Teaming the NCAE Cyber Games

Spencer Hall & James Rice - Mohawk Valley Community College

Exploring the Intersection of Cybersecurity and Artificial Intelligence

Kellep Charles - Capitol Technology University

2:30 pm - **Daisy**
3:30 pm Session Chair: Greg Laidlaw

Cybersecurity Clinic at Metro State University

Faisal Kaleem - Metro State University

Bridging the Divide: Mapping Hands-on Labs to Cybersecurity Competency Statements

Ayad Barsoum - St. Mary's University

CyberNEST (Next Evolution of Security Training) Enhancing Cybersecurity Education: An Immersive and Integrated Experiential Learning

Sebastian Hayes & Albert Tay - Brigham Young University

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Event Day 1 Tuesday, April 16, 2024

3:30 pm - **Daisy**
4:30 pm Session Chair: Stephen Miller

Teaching DevSecOps using a Project-Based Learning Approach

Yuting Zhang - Boston University

National Cybersecurity Curriculum Task Force

Cara Tang - Portland Community College, Dr. Blair Taylor & Dr. Sidd Kaza - Towson University, Dr. Tobi West - Coastline College

Democratic Cybersecurity, Pervasive Computing, and CAE Schools

Dr. Adel Elmaghraby, Michael Martin Losavio, & Andrews Wright - University of Louisville, Jen Whiting - University of Illinois

2:30 pm - **Lily**
3:30 pm Session Chair: Skip Berry

Implementing the Student Code of Ethics and Professional Conduct

Anna Carlin - Fullerton College, Kelli Burgin - Montreat College, Stan Mierzwa - Kean University, Gary Sparks - Metropolitan Community College

3:30 pm - **Lily**
4:30 pm Session Chair: Sandra Blanke

Professionalism + Ethics Toolkit Teaching the Tools of the Trade

Thomas Hill & Kelli Burgin - Montreat College

Experiential Learning: How One CAE Program Created and Oversees Investigative Real-World Internships

Jason E James - Indiana State University

Security Analysis Report: Students applying cybersecurity skills to the real world

Keith Nabozny - Macomb Community College

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Event Day 1 Tuesday, April 16, 2024

2:30 pm - **Azalea**
3:30 pm Session Chair: Gretchen Bliss

Innovating K-12 Cybersecurity Education & Outreach Through A Visual Privacy Hands-On Lesson

Dr. Ankur Chattopadhyay - Northern Kentucky University

Coast Guard Academy Cyber Defense Awareness Training

Jason Vera - United States Coast Guard Academy

Case Study: Using the NSA CAE-CD RING materials with a high school STEM cohort.

Stan Mierzwa - Kean University

3:30 pm - **Azalea**
4:30 pm Session Chair: Michael Nowatkowski

Friend or Foe? Unpacking the Impact of AI on the Future of Teaching and Learning

Nelbert "Doc" St. Clair - College of Coastal Georgia, Mike Jochen - East Stroudsburg University

NCAE-C K12 Cybersecurity Credit Transfer Agreement Development Status, Challenges, and Potential Solutions

Michael Tu - Purdue University Northwest

Improving Academic Integrity

Israel Emmanuel - Century College

Event Day 1 Tuesday, April 16, 2024

2:30 pm -

Violet

3:30 pm

Session Chair: Paige Flores

Department initiatives in the Cybersecurity and Data Science tracks

Luis M Vicente - Polytechnic University of Puerto Rico

Nevada Cyber Range - a Cybersecurity Sandbox everyone can use

Shamik Sengupta - University of Nevada, Reno

Common Cyber Competencies for Cyber Professionals

Dr. Darren Waldrep - Athens State University

A Framework for Cybersecurity Risk Awareness Through Digital Storytelling

Alla Webb - Montgomery College

3:30 pm -

Violet

4:30 pm

Session Chair: Xiuwen Liu

Shared Pedagogy - Undergrads Write Cybersecurity Textbook

Mathew J. Heath Van Horn - Embry-Riddle Aeronautical University - Prescott

Western Governors University: Enhancing Student Support Through Machine Learning

Jason Hammon - Western Governors University

Measuring Student Learning, Engagement, and Accessibility for Neurodivergent Students in Advanced Cybersecurity Topics

Harini Ramaprasad - University of North Carolina at Charlotte

HyFlex Cybersecurity Teaching: Navigating Flexibility

Jason Mitchell - Lansing Community College

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Event Day 2 Wednesday, April 17, 2024

12:15 pm - Archibald and Addition
1:00 pm

Fireside Chat: Panel on US-UK Cross-Border Cybersecurity Collaboration

Michele Robinson - Whatcom Community College, Dr. Tony Coulson - California State University, San Bernardino, Dr. Deanne Cranford-Wesley - North Carolina Central University, Stephen Miller - Eastern New Mexico University, Ruidoso, Dr. Costis Toregas - The George Washington University

1:10 pm - Archibald and Addition
1:40 pm Session Chair: Dr. Yair Levy

Competencies in Action: Evidencing Competencies within the NCAE Cyber Games

Jake Mihevc - Mohawk Valley Community College

The "CAE-CD Working Students (non-traditional) and Minority Students" Initiative

Diego Tibaquirá - Miami Dade College

1:10 pm - Violet
2:30 pm Session Chair: Kim Muschalek

The Entry-Level Cybersecurity Career Dilemma

Paul Campbell & Ralph Argiento - Guilford Technical Community College

Bloom's for Computing: Crafting Cybersecurity Learning Outcomes and Competencies

Pam Schmelz - Ivy Tech Community College, Cara Tang - Portland Community College, Christian Servin - El Paso Community College, Markus Geissler - Cosumnes River College

Community College Alumni Employment Outcomes Using the NICE Framework

Dr. Tobi West - Coastline College

Revitalizing Computer Architecture Class: Integrating Hardware Security

Wei Zhang - University of Louisville

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Event Day 2 Wednesday, April 17, 2024

2:40 pm -

Violet

3:30 pm

Session Chair: Anna Carlin

Taking Cyber on the K12 Road

Eric L Brown - Tennessee Tech University

Cybersecurity on the Move: Pop-Up CTFs Elevating Awareness, Skills, and Career Paths

Nicole Dyess - Eastern Florida State College

3:30 pm -

Violet

4:30 pm

Session Chair: Skip Berry

In-Browser Cybersecurity Labs

Junjie Zhang - Wright State University

AI-Assisted Pentesting Using ChatGPT-4

Ping Wang - Rober Morris University

Blockchain-Based Architecture for Secured Cyber-Attack Features Exchange

Tarek Saadwai - City College of New York

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Event Day 2 Wednesday, April 17, 2024

1:10 pm -
2:30 pm

Azalea

Session Chair: Faisal Kaleem

Winning Big: History of Ransomware on the Gaming Industry

Dr. Aleise McGrowan - University of Southern Mississippi

Artificial Intelligence (AI) in Education

Dr. Grace Bonanno - The College of Westchester

Expanding High School Cybersecurity Opportunities Through the Cybersecurity High School Innovations Project

Morgan Zantua & Jenny Ju - City University of Seattle, Robert Honomich - University of Arizona

True Crime and the Digital Footprint

Debra McCusker - Alamance Community College

CyberEd in a Box

Ran Hinrichs - Norwich University

2:40 pm -
3:30 pm

Azalea

Zero Trust for Tactical Edge Network Environments

Prasad Calyan - University of Missouri-Columbia

Virginia Cyber Navigator Internship Program (VA-CNIP): Securing Election Infrastructure

Jackson Davidson - University of Virginia

Event Day 2 Wednesday, April 17, 2024

3:30 pm -

Azalea

4:30 pm

Session Chair: Diego Tibaquira

Creating a Model Cybersecurity Eco-System in Western Pennsylvania to Strengthen the National Cyber Workforce

Waleed Farag - Indiana University of Pennsylvania

Charting Education and Workforce Pathways to Develop Quantum Proficient Cyber Security Experts

Xiuwen Liu & Mike Burnester - Florida State University

Importance of Collaborations with Industry/Government in Cybersecurity

Israel Emmanuel - Century College

The Trifecta: Three key qualities for enhancing employability

Dr. Carlo Sapijaszko PE & Michael Bleacher - Strayer University

1:10 pm -

Daisy

2:30 pm

Session Chair: Michael Kelly

AI's Impact on the Cyber Workforce and How to Update the Cyber Curriculum

Dr. Vincent Nestler - CSU San Bernardino Cybersecurity Center

Getting Cyber Prepared for the New Space Age: Space Cybersecurity Workforce Development

Radu Babiceanu - Embry-Riddle Aeronautical University - Daytona Beach Campus

Generative AI - Programming assistant in the classroom

Debasis Bhattacharya - University of Hawaii Maui College

Enhancing Student Success in a Fully Online Asynchronous Class

Marufu Lamidi - Century College

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Event Day 2 Wednesday, April 17, 2024

2:40 pm -
3:30 pm

Daisy
Session Chair: Kelli Burgin

The Power of Community: Increasing Student Engagement, Academic Success and Workforce Readiness Through Cybersecurity Clubs and Activities

Dwight T. Elliott & Theo Owusu - Palm Beach State College

A Tool for Matching CAE Institutions' Student Skills to Job Requirements

Dr. Ram Dantu - University of North Texas

3:30 pm -
4:30 pm

Daisy
Session Chair: Stu Steiner

Technical system statewide transfer agreement with Augusta University's School of Computer and Cyber Sciences

Michael Nowatkowski - Augusta University, Jim Poarch - Augusta Technical College

Enhancing Learning Experiences: Insights into Student Preferences in Cybersecurity Assessments

Tahir M. Khan - Western Illinois University

Using GPT to Automatically Grade Homework and Give Hints

Stephan Bohacek - University of Delaware

A Practical Assessment of Practical Assessment

Joel Offenberg - Howard Community College

Event Day 2 Wednesday, April 17, 2024

1:10 pm - Lily
2:30 pm Session Chair: Michael Ramage

Teaching Digital Forensics: Hosted by the CAE-CD New and Early-Career Faculty Initiative

Michael Tu - Purdue University Northwest, Gretchen Bliss - University of Colorado, Colorado Springs, Paige Flores - Towson University

2:40 pm - Lily
3:30 pm Session Chair: Michael Ramage

Teaching Digital Forensics: Hosted by the CAE-CD New and Early-Career Faculty Initiative (continued)

Michael Tu - Purdue University Northwest, Gretchen Bliss - University of Colorado, Colorado Springs, Paige Flores - Towson University

3:30 pm - Lily
4:30 pm Session Chair: Stan Mierzwa

CoP-CD New and Early Career Faculty Initiative

Gretchen Bliss - University of Colorado, Colorado Springs, Paige Flores - Towson University

Retro Range Pilot Program - Creating Educational Cyber Ranges from Refurbished Equipment

Michael Nizich, PhD, CISSP - New York Institute of Technology

AWS Academy: How to bridge the gap between theoretical concepts and real-world applications

Paul Kealey - University of Arizona

Cyber Tabletop Exercises: Increasing Student Engagement & Workforce Readiness

Sara Hoyt - College of Western Idaho

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Event Day 2 Wednesday, April 17, 2024

1:10 pm -

Jasmine

2:30 pm

Session Chair: Marufu Lamidi

Developing and Sustaining K-12 to Community College Pathways

Andrew Lutz - Johnson County Community College

Developing + Implementing the Indiana Comprehensive K-12 Cyber Education Plan

David Dungan - Anderson University

Your Metadata (Bits & Pieces) about You for the world to put together

Paul Campbell - Guilford Technical Community College

Small Business Community Outreach: ISC(2) Collaboration and Student Apprenticeship

Stan Mierzwa - Kean University

Collaborations with Industry

Ron Sha - Ohlone College

3:30 pm -

Jasmine

4:30 pm

Session Chair: Dr. Tobi West

Introducing UWF-ZeekData: Network Datasets Based on the MITRE ATT&CK Framework

Dr. Dustin Mink, Dr. Sikha Bagui, & Dr. Subhash Bagui - University of West Florida

Threat Hunting with Zui ("zoo-ee")

Deep Ramanayake - Xavier University

Study of Covert Channels in Multi-Photon Quantum Communication Protocol

Binto George - Western Illinois University, Sayonha Mandal - University of Nebraska Omaha

Detailed Schedule



Event Day 1 Tuesday, April 16, 2024

2:30 pm - Jasmine
3:45 pm

CAE-CO Cyber Operations

Dr. Seth Hamman - CISA Academic Programs and Outreach, Dr. Drew Hamilton - Texas A&M

4:00 pm - Jasmine
4:30 pm

CAE-CO Cyber Operations

Dane Brown - United States Naval Academy, TJ O'Connor - Florida Institute of Technology

Event Day 2 Wednesday, April 17, 2024

4:00 pm - Jasmine
4:30 pm

How to Become a CO School

Dr. Seth Hamman - CISA Academic Programs and Outreach

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Event Day 2 Wednesday, April 17, 2024

1:45 pm - Archibald and Addition
2:30 pm

PoC Meeting

Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

2:40 pm - Archibald and Addition
4:00 pm Moderators: Dr. Agnes Chan & Dr. Susanne Wetzel

AI's Role in Cybersecurity

Stephen Huang - University of Houston

AI, Security, and Privacy

Sandra Moore - University of New Mexico

Adversarial LLMs and Cybersecurity

Prashna Gyawali - West Virginia University

Social Science of Cybersecurity

Tyler Moore - University of Tulsa

Ransomware Detection

Tarek Saadawi - City College of New York

Quantifying Cybersecurity

Javed Khan - Kent State University

Supply Chain Cybersecurity

Dr. Yair Levy - Nova Southeastern University

4:00 pm - Archibald and Addition
4:30 pm

Birds of a Feather Report Out

Dr. Agnes Chan - Northeastern University, Dr. Susanne Wetzel - Stevens Institute of Technology

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Are your
cybersecurity
students

WORKFORCE READY?

Attend our CAE cyber success stories

Panel Discussion | April 16th, 17:00

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TUESDAY

5 - 7 pm

APRIL

16

CAE Community, join our sponsors;
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Location:

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the West
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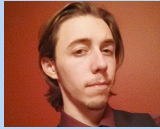
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 HACKTHEBOX

Speaker Info



Kasandra Adams
Program Manager,
CAE Community National Center at CSU San Bernardino



James D. Ashley III
Director of Research and Development,
Research and Development Division at CSU San Bernardino



Dr. Benjamin Blakely
Argonne National Laboratory



Dane Brown
United States Naval Academy



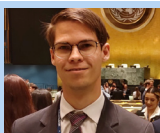
Kelli J. Burgin
Assistant Professor of Cybersecurity,
Montreat College



Agnes Chan, Ph.D.
National Co-Director,
Northeastern University



Deanne Cranford-Wesley, Ph.D.
Director,
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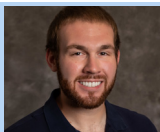
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Zoe Fowler, Ph.D.
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Michael Franz
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SecurEd Inc.



Prashna Gyawali
West Virginia University



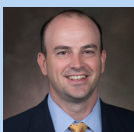
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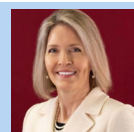
Dylan Johnson
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Sidd Kaza, Ph.D.
Associate Provost for Research and Dean of
Graduate Studies,
Towson University



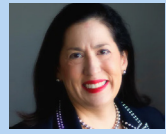
Javed Khan
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Wi-Fi SSID: CAESymposium24 Password: Cybersecurity24!

Speaker Info



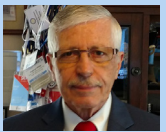
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Sandra Moore
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Tyler Moore
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Tommy Morris
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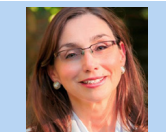
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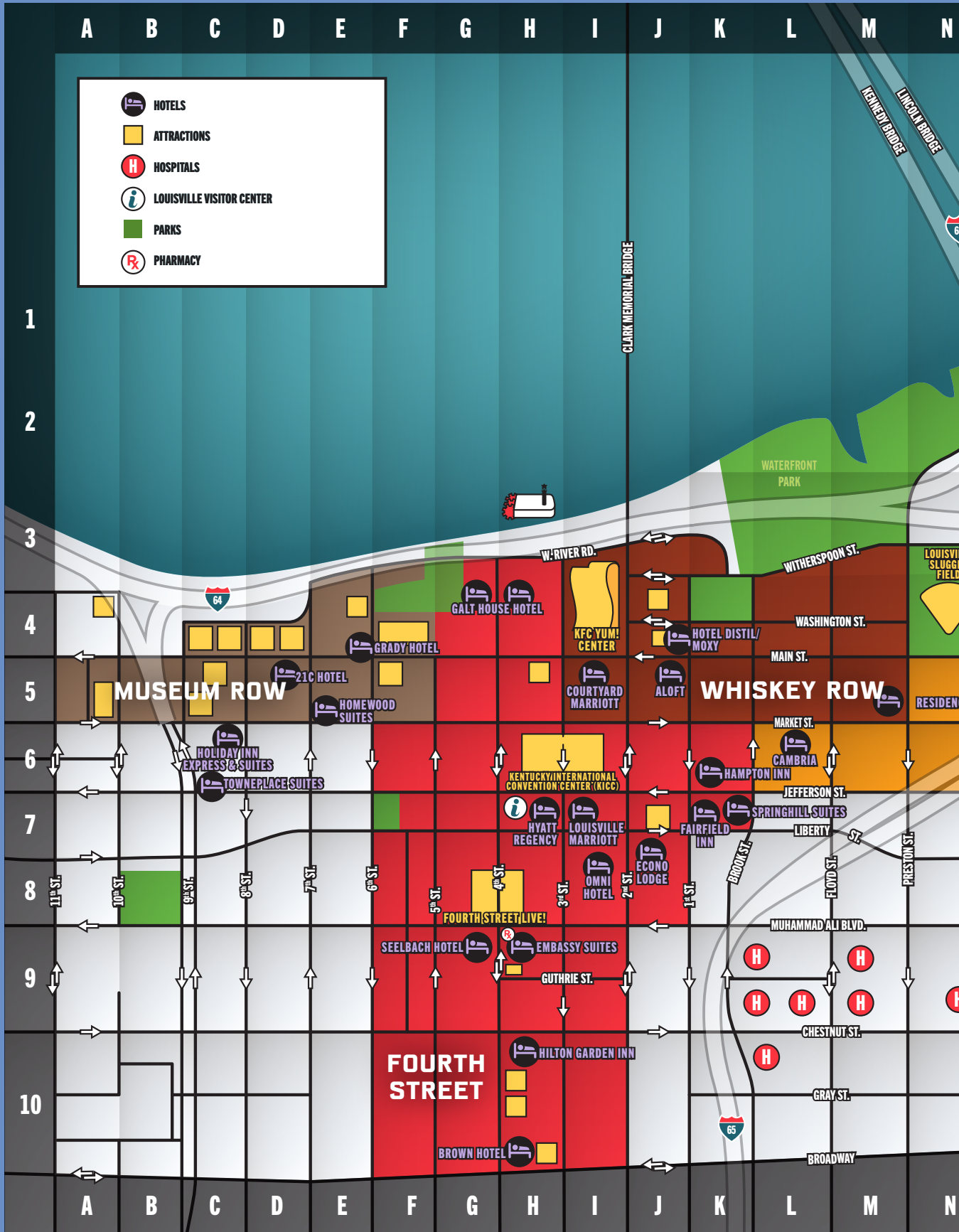


Bre'Ona Williams
NSA



Vanessa Zaldivar
Public Relations Manager,
CAE Community National Center at CSU San
Bernardino

Downtown Louisville Map





LOUISVILLE DOWNTOWN MAP

Louisville Visitor Center

301 S. Fourth St.

Mon.–Sat. 10 a.m. to 5 p.m.

Sun. noon to 5 p.m.

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Hours may vary by season.



WELCOME TO BOURBON CITY

- ART GALLERY
- ATTRACTION
- COFFEE SHOP
- HOTEL
- INFORMATION
- MUSIC VENUE
- NIGHTLIFE/BAR
- RESTAURANT
- SEASONAL SHOPPING
- WATERFRONT

Museum Row

- | | | | | |
|--------------------------------------|----------------------------------------|-----------------------------------------|---------------------------------------|---------------------------|
| D-5 21C MUSEUM HOTEL | F-5 EVAN WILLIAMS BOURBON EXPERIENCE | D-4 KMAC MUSEUM | E-5 MUSSEL & BURGER BAR | E-4 WILD SWANN |
| C-4 ART EATABLES | A-5 E & S GALLERY | A-4 KENTUCKY PEERLESS DISTILLERY | E-4 MUHAMMAD ALI CENTER | E-5 WILTSHIRE PANTRY |
| C-5 BARRELS & BILLETS | C-5 FLAME RUN & MARK PAYTON GLASS CTR. | D-4 KENTUCKY SCIENCE CENTER | D-5 PROOF ON MAIN | F-5 VINCENZO'S RESTAURANT |
| E-5 BRISTOL BAR & GRILLE | C-4 FRAZIER HISTORY MUSEUM | C-5 LOUISVILLE SLUGGER MUSEUM & FACTORY | C-4 SAR GENEALOGICAL RESEARCH LIBRARY | |
| D-5 BLACKBEARD ESPRESSO | C-6 HOLIDAY INN EXPRESS & SUITES | D-5 LUIGI'S PIZZERIA & PASTA | D-4 SUBWAY | |
| E-5 BUZZARD'S ROOST WHISKEY ROW EXP. | E-5 HOMEWOOD SUITES | C-4 MICHTER'S FORT NELSON DISTILLERY | E-4 THE GRADY | |
| A-5 CAUFIELD'S NOVELTY | F-4 KENTUCKY CENTER FOR THE ARTS | E-5 MORTON'S THE STEAKHOUSE | E-4 THE MAIN EATERY | |

Fourth Street

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|--------------------------------------|-----------------------------|-------------------------------------------|--------------------------------|----------------------------------|
| H-10 SUP ELEVATED DRINKERY & KITCHEN | G-5 CRAVINGS ALA CARTE | H-7 HYATT REGENCY | I-8 NEIGHBORHOOD SERVICES | G-6 SUNERGOS COFFEE |
| F-9 ABYSSINIA ETHIOPIAN CUISINE | G-7 DUNKIN' DONUTS | H-5 IN SEASON HARVEST KITCHEN | I-8 OMNI HOTEL | H-7 SWAY |
| H-5 ACTORS THEATRE OF LOUISVILLE | J-8 ECONO LODGE | H-10 J. GRAHAM'S CAFÉ | J-7 OVRDRIVE | G-4 SWIZZLE DINNER & DRINKS |
| H-5 ADDIS GRILL | H-9 EMBASSY SUITES | H-4 JEFF RUBY'S STEAKHOUSE | G-6 OSAKA JAPANESE RESTAURANT | H-8 TAVERN ON FOURTH |
| G-4 AL J'S LOUNGE | K-7 FAIRFIELD INN | G-6 JIMMY JOHN'S | J-7 PARLOUR PIZZA | H-8 T.G.I.FRIDAY'S |
| H-10 ART EATABLES | I-8 FALLS CITY MARKET | G-4 JOCKEY SILKS BOURBON BAR | G-8 PBR LOUISVILLE | H-10 THE BROWN LOBBY BAR |
| G-10 BLACK JOCKEY'S LOUNGE | G-8/7-8 FOURTH STREET LIVE! | G-4 LA TERRAZA | I-8 PIN - PROOF | G-5 THE GRUV SPORTS BAR & LOUNGE |
| I-8 BOB'S STEAK & CHOP HOUSE | G-4/H-4 GALT HOUSE HOTEL | G-10 LA TERRAZA | H-8 PIZZA BAR | G-9 THE OLD SEELBACH BAR |
| G-8 BRAZEIROS CHURRASCARIA | G-9 GATSBY'S ON FOURTH | H-9 LAUGH LOUISVILLE | G-6 POKEHANA | H-5 THE OLD SPAGHETTI FACTORY |
| H-9 BRENDON'S CATCH 23 | G-8 GORDON BIERSCHE | H-9 LOCKED IN: THE LOUISVILLE ESCAPE GAME | I-7 PORCH KITCHEN & BAR | G-6 THE SALAD CHIC |
| H-9 BRIAN'S DELI | G-6 GREEN DISTRICT SALADS | I-7 LOUISVILLE MARRIOTT DOWNTOWN | G-7 POTBELLY SANDWICH SHOP | G-8 THELMA'S DELI |
| H-10 BROWN HOTEL | G-8 GUY FIERI'S SMOKEHOUSE | H-10 LOUISVILLE PALACE THEATRE | G-7 QDOBA MEXICAN GRILL | H-4 THIRD STREET DIVE |
| H-10 BROWN THEATRE | K-6 HAMPTON INN | H-7 LOUISVILLE VISITOR CENTER | H-10 SAFIER MEDITERRANEAN CAFÉ | H-8 TROLLEY DE'VILLE |
| I-8 CASTLE & KEY 502 | H-10 HARAZ COFFEE HOUSE | G-8 MANHATTAN GRILL | G-9 SEELBACH HOTEL | |
| H-10 CC'S KITCHEN | H-10 HILTON GARDEN INN | F-9 MASALA GRILL | G-7 SICILIAN PIZZA & PASTA | |
| G-6 CHEER KING STAR | G-6 HEINE BROTHERS' COFFEE | H-10 MERCURY BALLROOM | H-9 SPORTS & SOCIAL CLUB | |
| H-7 CHIPOTLE MEXICAN GRILL | G-8 HEINE BROTHERS' COFFEE | G-9 META COCKTAIL BAR | H-8 SMASHBURGER | |
| K-6 CHUNG KING PALACE | H-7 HEINE BROTHERS' COFFEE | H-9 MI CASITA ON 4TH | G-6 SPRINGHILL SUITES | |
| I-8 CON HUEVOS! | G-8 HOWL AT THE MOON | I-8 MINT JULEP EXPERIENCES | I-7 STARBUCKS AT THE MARRIOTT | |

Whiskey Row

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|-------------------------------------------------------------------------|------------------------------------|-------------------------------|-----------------------------|---------------------------------------|
| J-5 ALOFT | I-5 COURTYARD BY MARRIOTT | J-4 HELL OR HIGH WATER | J-5 MERLE'S WHISKEY KITCHEN | J-4 REPEAL OAK-FIRED STEAKHOUSE |
| J-4 BACKSIDE AT WHISKEY ROW | L-4 DASHA BARBOURS | J-4 HOTEL DISTIL | J-4 MOXY | J-4 ROOTS 101 AFRICAN AMERICAN MUSEUM |
| J-4 BEARNO'S BY THE BRIDGE | J-4 DULUTH TRADING COMPANY | K-3 JOE'S CRAB SHACK | J-4 NUMBER 15 | J-4 SIDEBAR |
| H-3 BELLE OF LOUISVILLE/MARY M. MILLER CORNER RESTAURANT & BAR AT ALOFT | J-4 DOC CROW'S SOUTHERN SMOKEHOUSE | J-5 JUSTIN'S HOUSE OF BOURBON | J-4 PATRICK O'SHEA'S | L-5 STEVIE RAY'S BLUES BAR |
| J-5 CORNER RESTAURANT & BAR AT ALOFT | L-4 EHRLER'S ICE CREAM | J-4 LAST PLACE | J-4 OLD FORESTER DISTILLERY | J-4 TROLL PUB UNDER THE BRIDGE |
| I-5 COURTYARD CAFÉ | J-6 EXPO BAR | J-5 LOUISVILLE COMEDY CLUB | M-5 RESIDENCE INN | |

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|--------------------------------|----------------------------------|------------------------|-----------------------------|---------------------------------|
| Q-5 AC HOTEL & LOUNGE | P-6 FLYING AXES | N-5 LOS AZTECAS | P-6 NOUVELLE BAR & BOTTLE | R-6 SIX SISTERS BOUTIQUE |
| N-4 AGAINST THE GRAIN | Q-6 GALAXIE | R-6 LUEBERRY | S-7 OLD 502 WINERY | R-6 SUGAR TOWN VINTAGE |
| S-5 AKASHA BREWING COMPANY | Q-6 GARAGE BAR | R-6 LOU LOU ON MARKET | R-5 PAPPY & COMPANY | R-5 TAJ BAR |
| O-5 ANGEL'S ENVY DISTILLERY | P-6 GARNER NARRATIVE GALLERY | R-6 LOUABULL | Q-5 PAUL PALETTI GALLERY | P-6 TASTE FINE WINES & BOURBONS |
| Q-6 BAR GENEVIEVE | R-5 GERTIE'S WHISKEY BAR | P-6 LOUISVILLE CREAM | R-6 PEACE OF THE EARTH | Q-6 THE CORRIDOR BAR |
| Q-5 BAR VETTI | P-5 GOODWOOD BREWING | Q-6 LUCKY PENNY | R-6 PLEASE & THANK YOU | T-6 THE CRAFTERY |
| S-5 BISCUIT BELLY | R-5 GRIND BURGER KITCHEN | Q-5 MACARON BAR | S-4 PYRO GALLERY | R-5 THE LOCAL SELTZERY |
| L-6 CAMBRIA | S-6 GUACAMOLE MODERN MEXICAN | R-6 MAHONIA | R-5 QUILLS COFFEE FIREHOUSE | P-6 THE SEAFOOD LADY |
| Q-6 CLAYTON & CRUME | P-8 HANCOCK HOUSE | R-5 MAYAN CAFÉ | Q-6 RABBIT HOLE DISTILLING | R-5 WEST SIXTH NULU |
| R-5 CLIMB NULU | R-5 HAZEL AND HUNT | R-5 MAMI | Q-5 RED TREE | M-5 WILD EGGS |
| R-5 EMMY SQUARED | O-6 HOME2 SUITES | Q-6 MINI MARCHE | Q-6 REVELRY | Q-6 WILD HATS |
| Q-6 EVERGREEN LIQUORS | Q-6 HOTEL GENEVIEVE | P-6 MUTH'S CANDY STORE | Q-6 ROSETTE'S | P-5 WILTSHIRE ON MARKET |
| S-7 FALLS CITY BREWING COMPANY | L-6 JACKDAW COFFEE & BOURBON BAR | Q-5 NORAEBAR | Q-6 ROYALS HOT CHICKEN | R-5 WOMAN-OWNED WALLET |
| S-5 FEAST BBQ | Q-5 LA BODEGUITA DE MIMA | | Q-5 SEÑORA AREPA | P-6 ZEPHYR GALLERY |

Butchertown

- | | | | | |
|--------------------------------|---------------------------------------------|------------------------|--------------------------|-------------------------|
| Z-3 APOCALYPSE BREW WORKS | U-3 COPPER & KINGS ROOFTOP BAR & RESTAURANT | T-4 HAPPY BELLY BISTRO | Z-1 PIZZA LUPO | W-3 THE WHIRLING TIGER |
| S-4 BIG NITA'S CHEESECAKES | T-4 CULTURED-CHEESE & CHARCUTERIE BAR | U-4 HIGH HORSE BAR | U-3 PLAY LOUISVILLE | Q-4 THOMAS EDISON HOUSE |
| V-3 BOURBON BARREL FOODS | U-3 DECADE | V-3 MOSS HILL | T-4 PYRO GALLERY | Z-1 VERNON LANES |
| Q-4 BUTCHERTOWN GROCERY BAKERY | P-3 EXTREME PARK | T-4 MOZZAPI @TEN20 | Z-1 SERGIO'S WORLD BEERS | O-2 WHEEL FUN RENTALS |
| V-3 BUTCHERTOWN MARKET | W-1 GOODBOUNCE PICKLEBALL YARD | T-4 NAIVE | W-3 SOUTH SEAS | V-3 WORK THE METAL |
| Z-1 CHI'N & MI | X-2 GUESTHOUSE ON STORY | R-4 NAMI | T-4 TEN20 CRAFT BREWERY | |
| U-3 COPPER & KINGS DISTILLERY | Z-2 HADLEY POTTERY | T-4 PHO BA LUU | Z-1 THE BUTCHER ROSE | |

