

November 2024 Edition: NCyTE Insights

NCyTE insights



Grateful for Your Partnership: Looking Ahead Together in Cybersecurity

We want to extend our deepest gratitude for your incredible support this year!

It has been an honor to serve the cybersecurity community alongside each of you. In a year marked by change and uncertainty, your resilience and dedication have made a world of difference. As we look forward to the year ahead, we're inspired by the opportunity to continue working together, expanding our reach through impactful

collaborations, enriching workshops, professional development, academies, competitions, and unforgettable experiences.

Thank you for your commitment to advancing cybersecurity! We're excited to grow, learn, and innovate together in the coming year.

The NCyTE Team



Cybersecurity Career Awareness and Exploration: A Toolkit and Framework for Introducing Students to Cybersecurity Career Opportunities

November 15 | 9 am PST | Virtual

[Register Today!](#)

Invite your career counselors, academic advisors, program coordinators, veteran's advisors, and others who meet with students!

This session will help educators confidently guide students into cybersecurity careers, career pathways and programs of study by introducing and equipping attendees with a robust Cybersecurity Career Awareness Toolkit that includes a guidebook for counselors, workbook for students, and interactive activities that emphasize the interdisciplinary and diverse nature of cybersecurity careers, highlighting both technical and non-technical roles.

Dr. John Sands

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Department chair and professor of information technology at Moraine Valley Community College. John serves as the Principal Investigator/Executive Director of the Center for Systems Security and Information Assurance (CSSIA), an NSF/ATE National Support Center. John holds a Ph.D. from Colorado State University.

Dr. Kristine Christensen

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Program Director, National Community College Fellowship Program at NCyTE and Professor, Computer Information Systems / Director, Faculty Development at Moraine Valley Community College.



Alumni Workforce Study

Graduated with a degree in cybersecurity or technology from a Center of Academic Excellence in Cyber Defense (CAE-CD)?

Support the community by participating in this national cybersecurity workforce study!

<https://www.research.net/r/NCyTE2024>

AS
Associate
Level

MS
Master's
Level

BS
Bachelor's
Level

PhD
Doctorate
Level

**NCyTE
CENTER**
National Cybersecurity Training & Education Center
NSF Award #2054724



Alumni Survey - Cybersecurity Employment Outcomes 2024

[Survey](#)

Attention Cybersecurity Alumni!

Your input is needed for [NCyTE Center](#)'s National Cybersecurity Workforce Study. We are seeking survey responses from all CAE-CD programs, including associate degree, bachelor's, master's, & doctorate level.

The study has the potential to significantly impact the continuous improvement of our CAE-CD programs and the success of our students. By understanding the level of impact between program experiences and career outcomes, we can tailor our efforts to provide an education that not only meets but exceeds the expectations and needs of our students and the cybersecurity workforce at large.

CYAD

Cybersecurity Across Disciplines



Mark Your Calendars for the 2025 Cybersecurity Across Disciplines Conference!

June 24-25, 2025

[Sign Up for Updates](#)

Join us in person at Moraine Valley Community College for an engaging academic conference that bridges cybersecurity across a variety of disciplines.

You don't need any prior cybersecurity experience to attend! A travel stipend is available for eligible participants.

Stay Connected:

- Want to be notified when **registration** opens?
- Interested in participating in the **Call for Proposals**?

Sign up [here](#) and be sure to check the CyAD Information webpage periodically for updates!

Please share this event with your colleagues across all disciplines. We have a flyer available for download: [Save The Date flyer](#)

We look forward to seeing you there!



Wrap Up the Holidays with a Sticker Heist Toolkit

December 20 | 9 am PST | Virtual

[Register Now!](#)

Who likes a good puzzle? Join us for the December NCyTE Monthly meeting if you do!

Sticker Heist is a hands-on cybersecurity tool for recruiting, training and pentesting exercises.

In the not-too-distant future, laptop stickers are the new global currency, and you've just gotten your hands on a safe full of them. The safe is locked for now, but its security system is no match for your team's hacking skills. Your mission: hack into the security system, disable the alarms, and pull off the heist of a lifetime... but you're already running short on time.

Review the new hands-on cybersecurity education tool, Sticker Heist (www.stickerheist.com).

Professor Mike Libassi, Sc.D.

Mike has over 20 years in the technology field. After eight years in the US Navy Mike started as a software tester and worked as software developer, application engineer, system administrator, capacity engineer and cybersecurity.

Mike holds a BS in Business Information Systems, MS in Computer Information Systems and Doctorate in Computer Science in Cybersecurity.

Kevin "Casey" O'Leary

Project Manager – Computer Science and Information Technology - NSF Grant, Sinclair Community College, and Adjunct Professor, Criminal Justice Sciences, Sinclair Community College. Casey is a retired federal law enforcement officer and has conducted criminal and cyber investigations in the public and private sector. Casey holds a Master of Policy Management from Georgetown University.



Virtual Cybersecurity Career Challenge

January 18 | 9 am PST | VIRTUAL

[Register Now!](#)

Join us at the January NCyTE Monthly meeting to hear how students gain real-world experience in ten weeks!

The next Virtual Cybersecurity Career Challenge cohort starts in February. Students will apply leadership, team building, and cybersecurity skills to create a virtual network of machines with four of their peers. The project culminates with a presentation to government and industry leaders.

Instructors and students are invited to attend.

"The ability to communicate cross-team demonstrated our adaptability to succeed, despite being pressed for time to complete the objective." Cyber Career Challenge Student

"I enjoyed the team aspect the most and the ability to discover more about my skills as they appeared with more contrast in this environment." Cyber Career Challenge Student

Students...

- Develop a project plan for an Information System that supports a fictitious business.
- Utilize project management tools for communication and project implementation.
- Operate a network of nine devices within specific technical requirements
- Defend the network against a penetration test.
- Analyze the network for evidence of attacks or compromise resulting from penetration testing.



Calling all educators teaching advanced technologies and technician education!

The [Journal of Advanced Technological Education \(JATE\)](#), launched in July 2021, is a peer-reviewed technical journal produced by the ATE community. JATE is a platform for educators who are interested in teaching advanced technologies and technician education. This includes 2-year community college faculty, undergraduate researchers, STEM educators in grades K-12, university faculty, as well as industry personnel.

JATE is seeking scholarly articles and manuscripts from educators, especially from our NCyTE ecosystem of community and technical college partners. Additional details about the publication and submission process are provided below:

Topics that are covered:

- Articles and short communication on many topics relevant to teaching and learning advanced technologies at all levels, including innovative pedagogical methods and related education research.
- Articles that demonstrate new educational activities, lab experiments, instructional methods and pedagogies that can be adopted in community college curriculum especially in technician training programs.
- Provide a resource for articles and related information as a resource to those in the field of advanced technological education, and to those institutes who serve them.

Publishing formats: J ATE is published both online and in hardcopy editions.

Publication frequency: J ATE has a rolling publication date for all reviewed/edited/revise and approved for publication manuscripts. The J ATE hardcopy edition is available twice a year in July and October.

Peer Review model: J ATE uses a single-blind peer-reviewed model. Reviewers do not know the names of the authors involved to avoid any potential conflicts of interest.

Digital archive: All previous articles can be found on the J ATE website:
<http://atejournal.org>

Submissions: J ATE is currently using the Scholastica tool for intake and review of submissions. Create your Scholastica account or login at
<https://app.scholasticahq.com/login> to make your submission today!

Next submission deadline: January 31, 2025

The J ATE Editorial Review Board look forward to receiving your scholarly works!

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NCyTE YouTube Channel

Watch recorded monthly meetings and instructional videos on NCyTE's YouTube Channel.

[NCyTE YouTube Channel](#)



The [National Cybersecurity Training & Education \(NCyTE\) Center](#) advances cybersecurity education in the U.S. by investing in technological innovation, resources, professional development and tools to support faculty, community colleges and the workforce pipeline of tomorrow.



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