



Salt Fork
Conference
Special
Edition, May
2025

Bits & Bytes

**The High Tech Cyber Investigation Association -
Ohio Chapter Newsletter**

The oldest and most prestigious
association solely focused on high tech
investigations.

A Message from the Ohio Chapter President Bradley Barkhurst



**Salt Fork Conference 2025 here
we come!**

Wow, it's almost here! The 24th annual Salt Fork Conference is quickly approaching on May 21 - 23, 2025 in Lore, Ohio. If you have never attended you are in for a treat! We have some amazing speakers, a keynote speaker, several awesome workshops and even a nighttime Bigfoot hike!

We are very grateful to our sponsors Cellebrite, WinInteractive and Paloalto Networks for stepping up to the plate and helping us out!

Celebrating 24 years!

 **HTCIA**
Salt Fork



**Searching for the truth
byte by byte.**

A Message from the Ohio Chapter President Continued:

In addition, I want to thank all our Ohio board members, Katie, Melissa, Joelle and Carlos for helping with everything over the past several months! It is a huge help! Finally, I want to thank everyone who plans to attend this conference. We could not continue this tradition for 24 years without you! If you know someone who wants to join, let them know to hurry up because time is running out.

Registration is at:
<https://www.htcia.org/htcia-conferences/>

If anyone has any questions before or during the event feel free to reach out to me:

president.ohio@htcia.org

See you there!

Regards,
Brad

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Photo: Franklin County Sheriff's Office
Drone Team Command Center 2024



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BUILD BETTER TIMELINES



Conference Agenda:

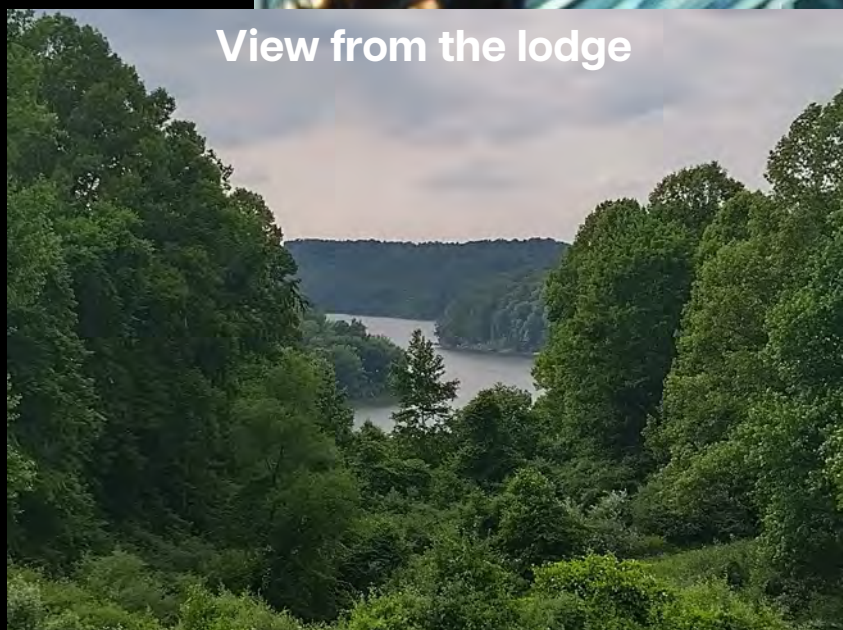
Wednesday, May 21, 2025

8:15 AM - 9:45 AM

**Registration, continental breakfast,
and networking. Outside of the
Summit View Room, 4th Floor**

9:45 AM - 10:00 AM

**Opening Remarks – Ohio HTCIA
Chapter Board**



View from the lodge

Conference Agenda:

(All Presentations/Presenters subject to change.)

Wednesday, May 21, 2025

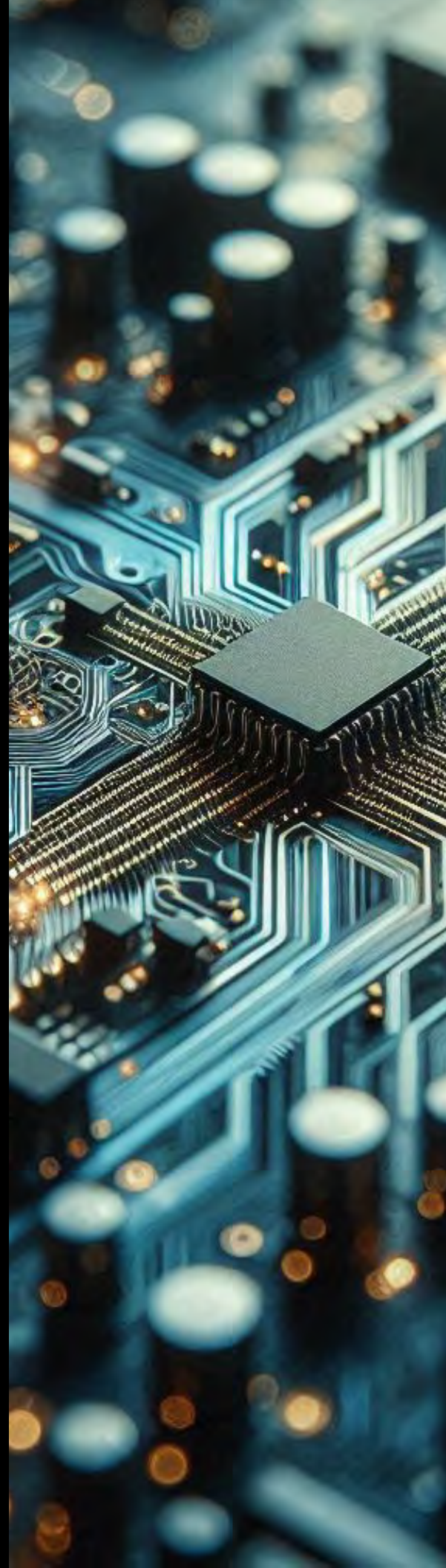
10:00 AM - 11:00 AM

Presentation: “Never Give Up, Never Surrender”

Overview: Knowledge on device repair can save your case. Something as simple as a port cleaning can repair your device and get the acquisition. Devices subjected to gunshots, blood, and water submersions can most likely be repaired. What have you got to lose? Learn some of the basic repair practices utilized by BCI to get the devices up and running again – at least until the acquisition is completed.

Presenter: JoAnn Gibb, Ohio BCI

Bio: JoAnn Gibb has been with BCI since 1997 and in the Cyber Crimes unit since 2003. JoAnn has been to hundreds of hours of cell phone forensic classes, including training in cell phone repair, chip off, ISP, and JTAG, including a week at Quantico with the engineers lab for physical techniques on devices. JoAnn is a graduate of Youngstown State University with a BS in Information Technology with a minor in Criminal Justice.



Conference Agenda:

Wednesday, May 21, 2025

11:00 AM - 12:00 PM

Presentation: Preventing Elderly Financial Fraud

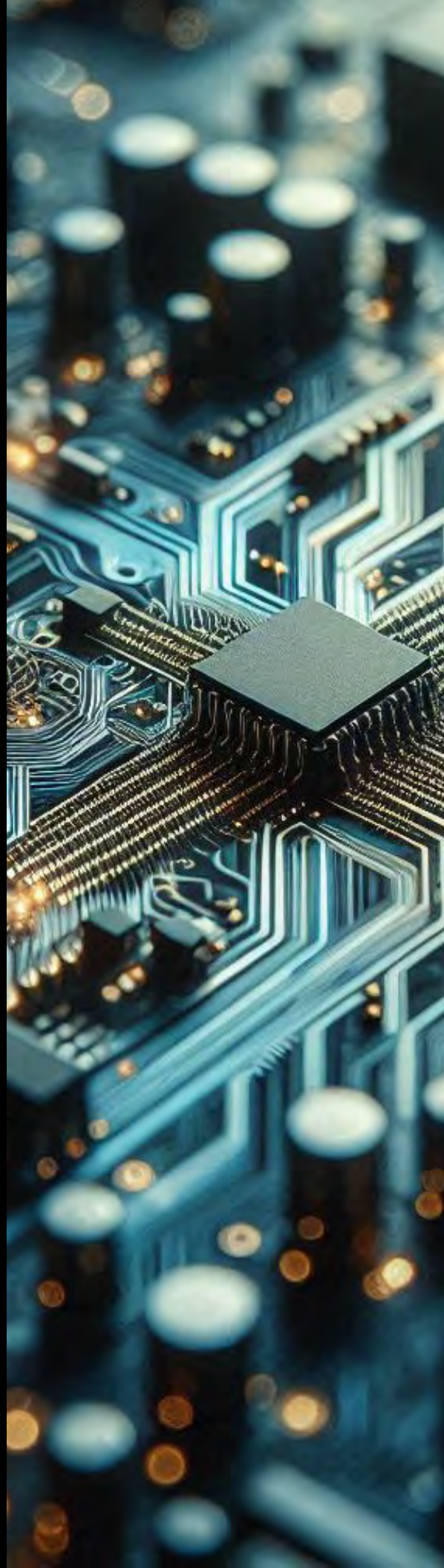
Overview: Join us as we discuss Tech Support Scams, Investment Scams, Romance Scams, Government Impersonation Scams, and Personal Data Breaches. We'll go over how you can protect your loved ones from these scams and how to mitigate their effects when they happen.

Presenter: Deputy Superintendent Robert Rutkowski, Ohio Dept of Commerce, Director of Financial Institutions



Bio: Robert Rutkowski was appointed Deputy Superintendent for Credit Unions in February of 2015. He first became involved with credit unions in the early '90s as a credit union volunteer and then through his law practice. For most of his career, he has also been a speaker on credit union compliance topics throughout the United States. He gave up all of that when he joined DFI and has greatly enjoyed working as a credit union regulator ever since.

12:00 PM - 1:00 PM Lunch, 3rd Floor Morgan Balcony – Wrap It Up Buffet



Conference Agenda:

Wednesday, May 21, 2025

1:00 PM - 2:00 PM

Presentation: Audio Forensics Workshop with Adobe Audition

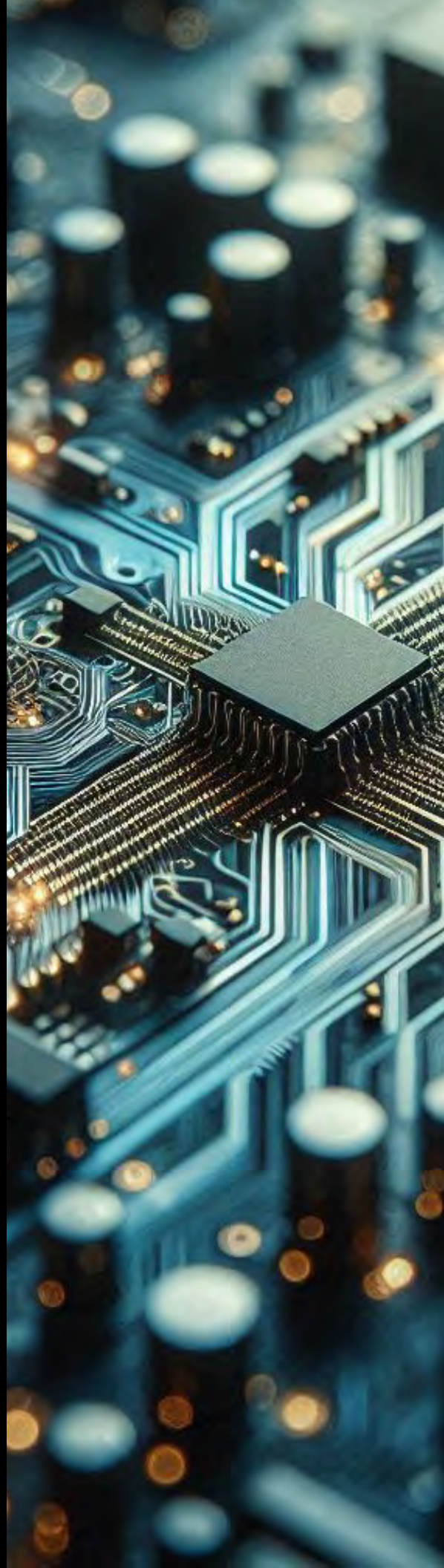
Overview: What happens when a voice is faintly heard in the background of a 911 call, potentially indicating foul play? Or what do you do when a confidential informant is recorded talking to a suspect, admitting their guilt in a crime, but the car engine noise is making things difficult to hear? That's when you call a forensic audio analyst! In this workshop, we'll learn the basics of forensic audio analysis, including what sound is vs. noise, what frequencies we should focus on for speech intelligibility, and information on how to use the program Adobe Audition for cleaning up audio. We'll use sample audio recordings to practice on! To participate, sign up for a free trial of Adobe Creative Cloud and download Audition at:

<https://www.adobe.com/creativecloud.html>

Presenter: Brad Barkhurst, Forensic Specialist Supervisor, Ohio State Fire Marshal Forensic Laboratory



Bio: Brad's worked in the field of audio/video forensics since 2006 for the state of Ohio. Before that, he worked as TV producer and even a DJ! He is a LEVA certified forensic video analyst and a certified video examiner with the International Association of Identification. He has a bachelor's degree in electronic media from the University of Cincinnati and a Master's degree in computing and cybercrime from the University College of Dublin, Ireland.



Conference Agenda:

Wednesday, May 21, 2025

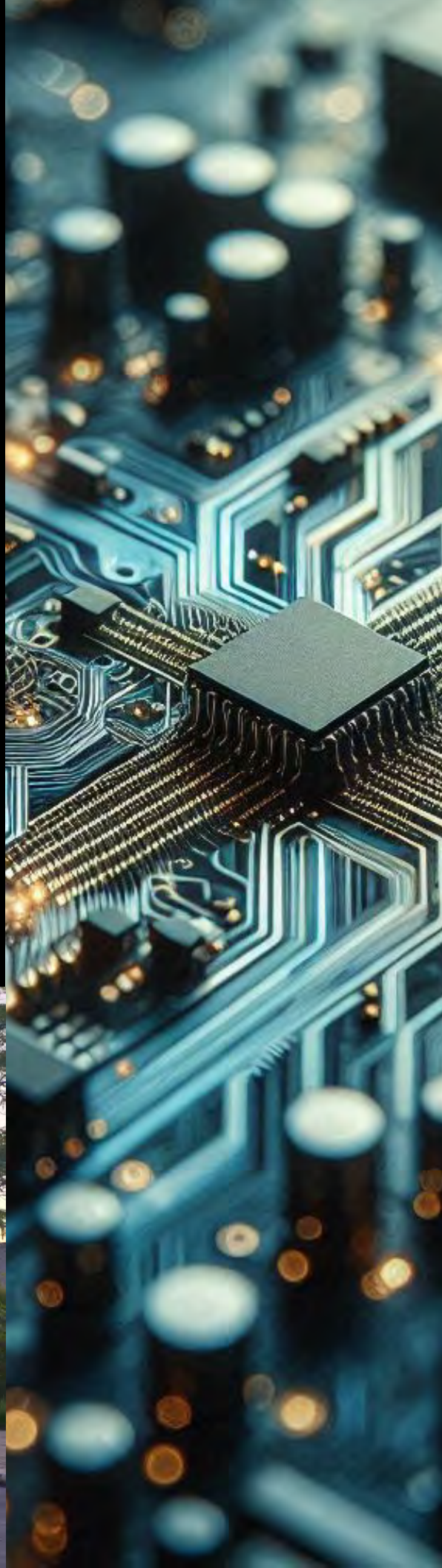
2:00 PM - 3:00 PM

Presentation: "The Care and Feeding of Data Breaches"

Overview: An end-to-end look into the world of breached data, from the tools and techniques used to get the data to the many ways that data is used and sold around the world, and the consequences. Some thoughts on certain key past events, as well as current trends and future possibilities.

Presenter: Damien Calloway

Bio: Damien Calloway is a contract Python developer, an open-source enthusiast with over 10 years of IT industry experience. He has been programming, building and harassing computers since 1990.



Conference Agenda:

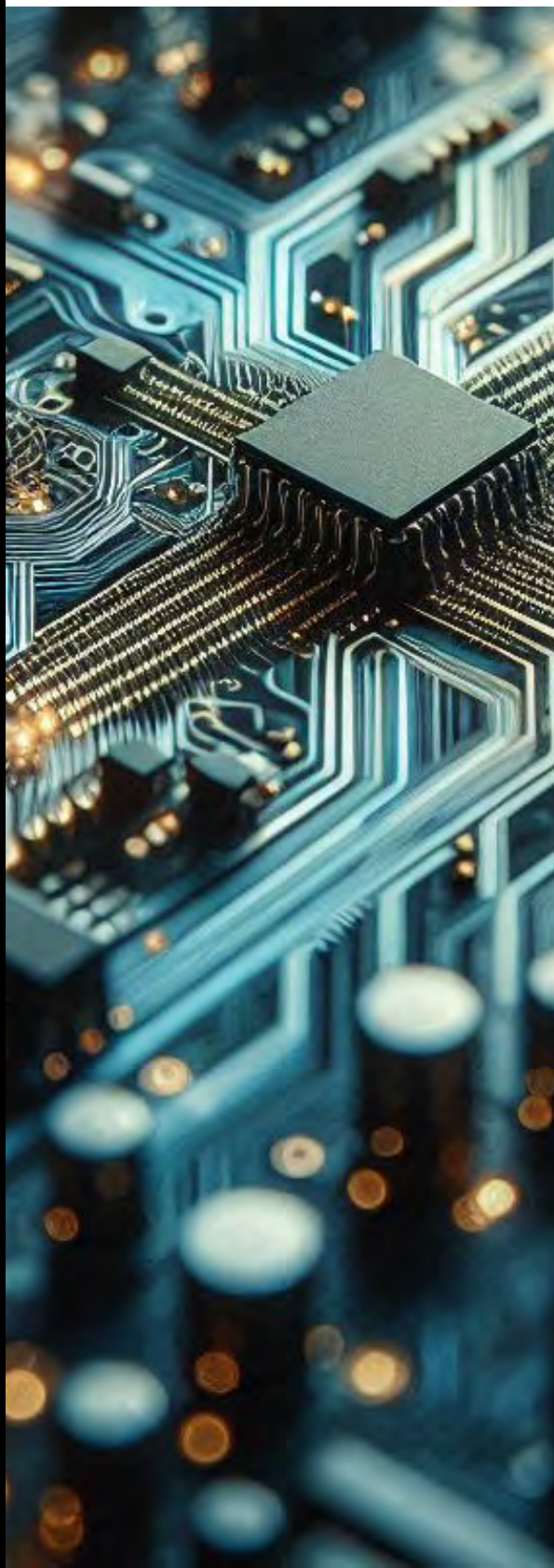
Wednesday, May 21, 2025

3:00 PM - 5:00 PM

Presentation: Investigative Timeline Workshop

Overview: Are you constantly challenged as to how to create effective timelines for your investigations, especially of video events. It can be frustrating to use tools like Photoshop and PowerPoint which are not designed for this purpose. This is why we built CrimeLines/TimeLaw software: these apps are specifically dedicated to building simple, easy to use, and powerful chronological presentations of digital evidence. Unlock the full potential of your investigations with our comprehensive course on Building Powerful Interactive Timelines. Designed by a former prosecutor for crime lab technicians, forensic video analysts, law enforcement professionals, corporate investigators, paralegals, prosecutors, and trial lawyers. In this workshop you will learn how easy it is to create and present customized digital timelines that clearly and convincingly communicate critical case details.

Presenter: Brain Carney, Esq. , WinInteractive



Conference Agenda:

Wednesday, May 21, 2025

3:00 PM - 5:00 PM

Presentation: Investigative Timeline Workshop continued

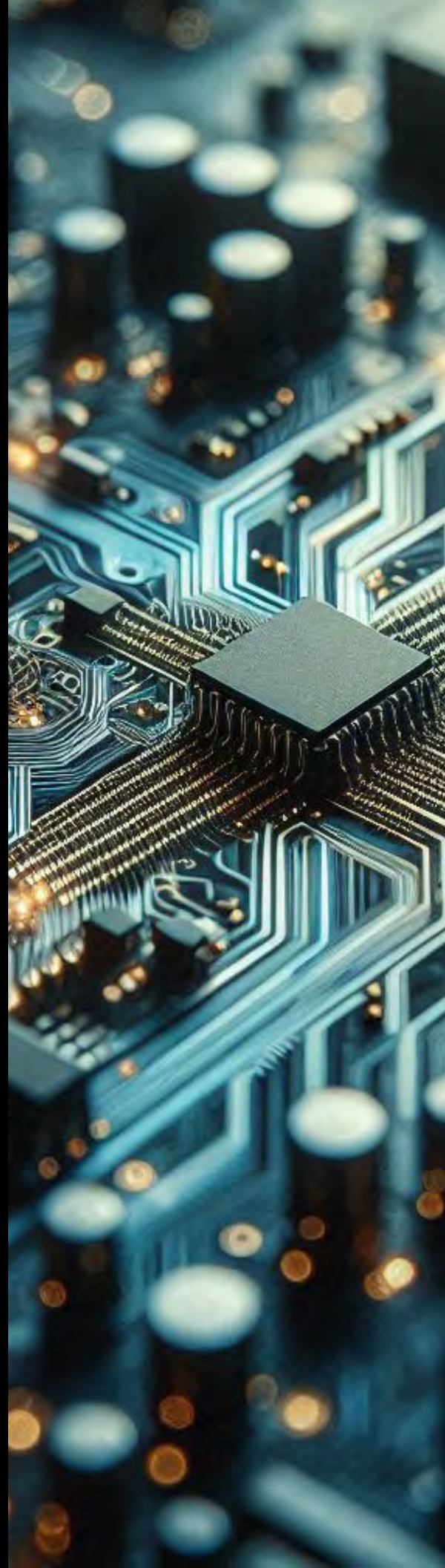
Bio: BRIAN CARNEY is a veteran Boston prosecutor (11 years) and president of WIN Interactive, a Massachusetts-based multimedia visualization firm (25yrs). He has lectured on the admissibility of demonstrative evidence to the American Bar Association, the National District Attorney's Association, the National Association of Attorneys General, the National Homicide Investigators Conference, and the National Cyber Crimes Conference and Brian has conducted training at LEVA conferences. He has consulted on several high-profile criminal prosecutions, including: Massachusetts v. Chism, Nebraska v. Garcia, New York v. Neulander, Texas v. Guy, and Connecticut v. Michael Skakel. Brian has testified as an expert in forensic video analysis in courts in Massachusetts, Rhode Island, and New Hampshire. Brian has developed demonstrative evidence and technology training programs for prosecutors. Brian is an adjunct professor teaching Visual Persuasion in the Law at Quinnipiac School of Law. Brian is the creator of CrimeLines and TimeLaw – interactive timeline builder applications. He can be reached at b.carney@wininteractive.com or 781-792-0800.

Presenter: Brain Carney, Esq.

**6:00 PM - 7:00 PM Turkey Dinner, 3rd Floor
Morgan Balcony**

**7:00 PM - 8:00 PM 2025 Q2 Ohio HTCIA
Chapter Meeting, Board Room**

**8:00 PM - 10:00 PM Bonfire @ Buckeye Fire Pit
(weather permitting), Networking and Games
In Board Room**



Conference Agenda:

Thursday, May 22, 2025

**8:15 AM - 9:00 AM Continental breakfast,
outside of the Summit View Room, 4th Floor**

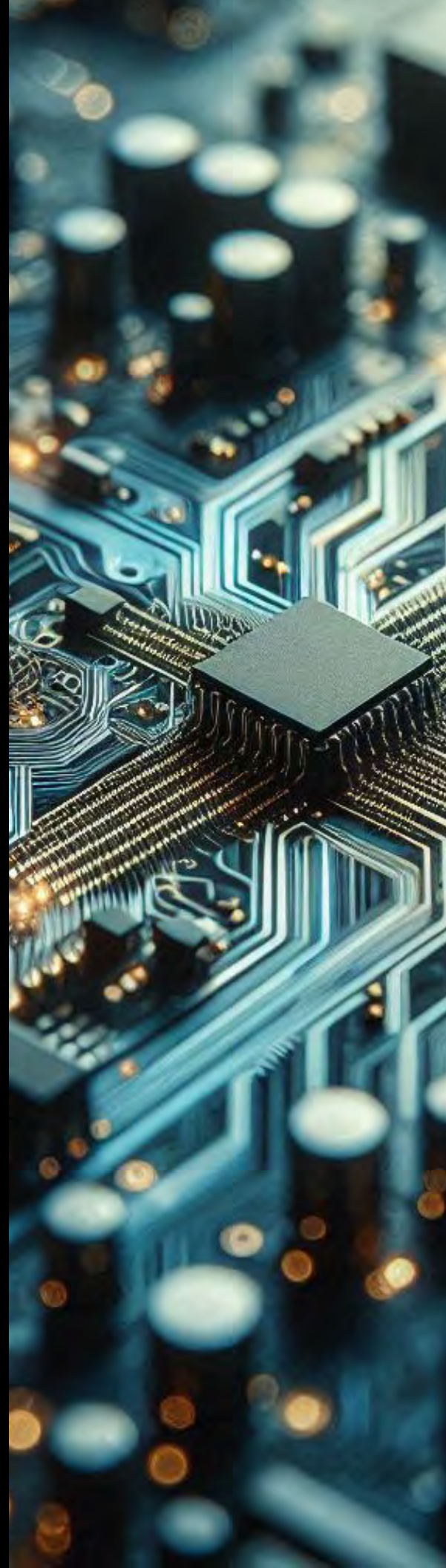
9:00 AM - 10:00 AM

Presentation: Personal Wellness; Self Care: The Five Pillars

Overview: Life happens. Not just work but our lives outside of work can cause stress, anxiety, and issues that we must deal with to be healthy and happy. Often, our own self-care takes a backseat to taking care of others, completing our work responsibilities, and just making it through the day. This course reminds us that to take care of others, we must first, take care of ourselves. The various possible physical, emotional, mental, spiritual, and behavioral effects are discussed. Techniques and strategies for dealing with these effects in a healthy and safe way are discussed. Concepts and techniques for family and friends are also covered. Lastly, resources are provided for additional assistance. The Five Pillars of wellness are described and applied to First Responders.

This presentation is not specific to public safety or First Responders but information that would be beneficial for anyone.

Presenter: Director Steven Click, Director of Ohio Office of First Responder Wellness, Ohio Department of Public Safety



Conference Agenda:

Thursday, May 22, 2025

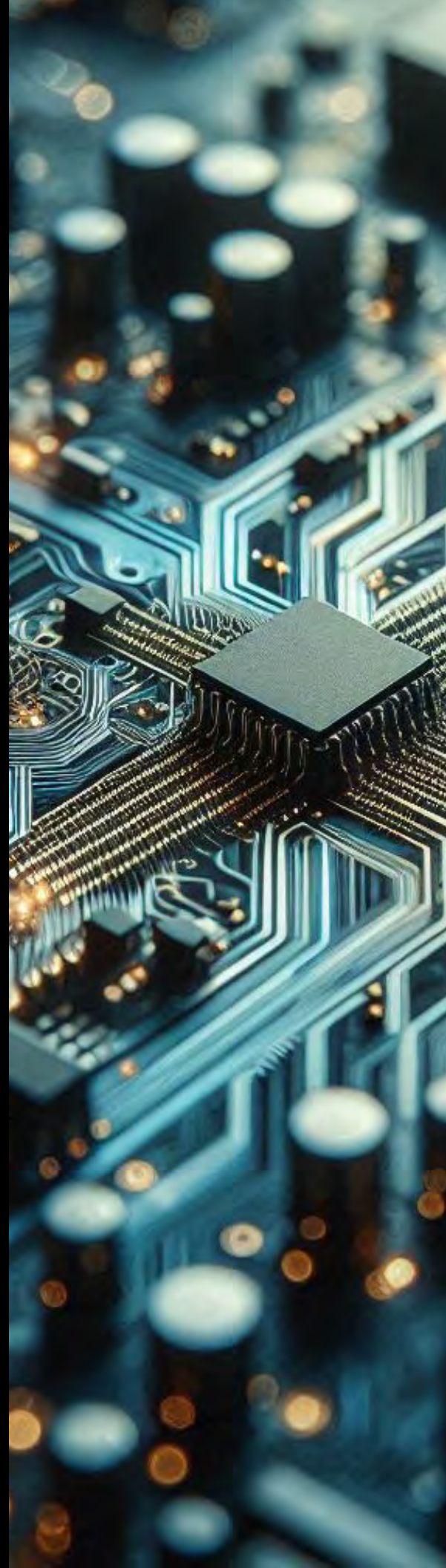
Bio: Steven M. Click serves as the Director of First Responder Wellness for the Ohio Department of Public Safety, Law Enforcement Initiatives. Prior to his current position, he served as the First Responder Liaison for Ohio Mental Health & Addiction Services. Steve is a retired lieutenant from the Ohio State Highway Patrol where he served for 36 years, completing his career assigned to the Ohio State Highway Patrol, Office of Personnel / Ohio ASSIST program. Steve has been involved in peer support since 1992 and oversaw the Ohio State Highway Patrol's Member's Assistance Team (MAT) from its inception in 2002 and previously served as the Operational Commander. In 1992, he received the Ohio Distinguished Law Enforcement Valor Award, the highest award for valor in Ohio. He and his wife Lori live in Grove City, Ohio.

10:00 AM - 12:00 PM

Keynote Speaker: Barry Grundy

Presentation: "Devolution: Deconstructing the layers one byte at a time"

Overview: The talk will focus on the benefits of a "layer approach" to digital forensics and its impact on education, training, and long-term continual learning. We will explore how a simple command line interface coupled with layer-specific tools and the age-old mantra of "Do one thing and do it well" tool design can help consolidate how we organize digital forensic analyses and conceptualize the structure of our evidence. Anyone who wants to follow along can do so with either a bootable Linux distribution, a Linux VM, or even a Mac or Windows running WSL2. Access to The Sleuthkit, bulk extractor, and dd or dc3dd should be all we require.



Conference Agenda:

Thursday, May 22, 2025 Keynote Speaker:



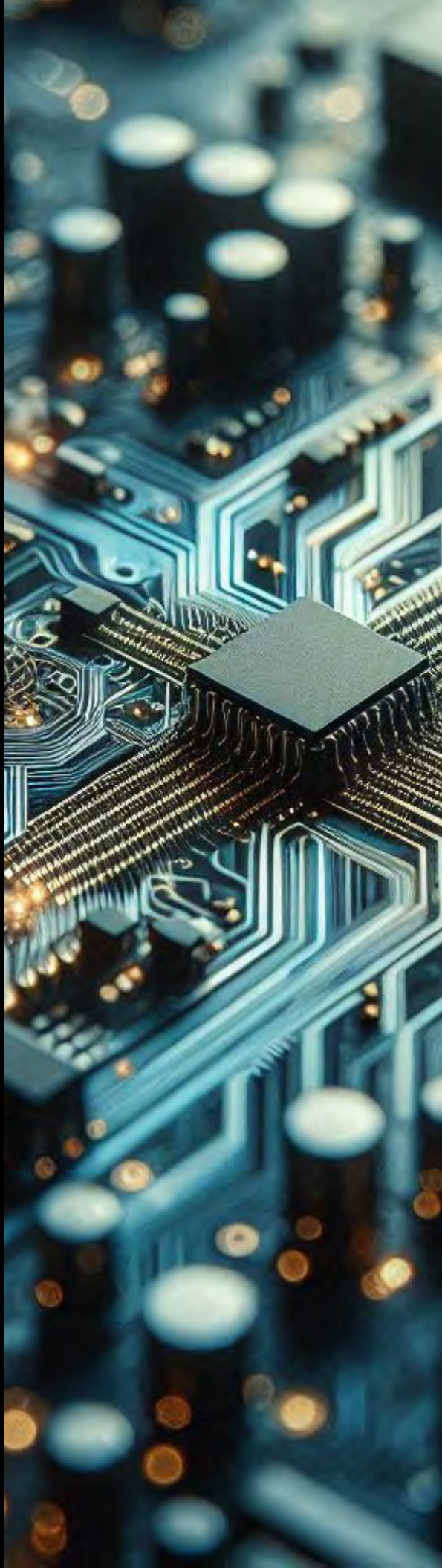
Bio: A U.S. Marine Corps veteran, Barry Grundy has been working in digital forensics since the mid-1990s. His career began at the Ohio Attorney General's Office as a forensic scientist, later transitioning to a role as a criminal investigator.

In 2001, Barry joined U.S. Federal Law Enforcement as a digital forensics analyst and computer crimes investigator. Barry served as a Special Agent with the NASA Computer Crimes Division, the U.S. Treasury Department, and the U.S. Securities and Exchange Commission. He holds a Bachelor of Science in Forensic Science from Ohio University and a Master's Degree in Forensic Computing and Cybercrime Investigations from University College Dublin.

Barry is the author and maintainer of Law Enforcement and Forensic Examiner's Introduction to Linux (LinuxLEO). This practical beginner's guide to Linux as a digital forensics platform has been available for over 20 years and has been used by numerous academic institutions and law enforcement agencies worldwide to introduce students to Linux for DFIR (Digital Forensics and Incident Response).

In addition, he is a co-author of the book "The Hitchhiker's Guide to DFIR: Experiences From Beginners and Experts" published through Leanpub. After retiring from federal service in 2023, teaching remains Barry's passion, particularly Linux forensics and open-source DFIR tools. At present, he is a Lecturer at University College Dublin

Mr. Grundy's websites: <https://www.linuxleo.com/>
<https://leanpub.com/TheHitchhikersGuidetoDFIRExperiencesFromBeginnersandExperts>



Conference Agenda:

Thursday, May 22, 2025

**12:00 PM - 1:00 PM Build Your Sandwich
Lunch, 3rd Floor Morgan Balcony**

1:00 PM - 2:00 PM

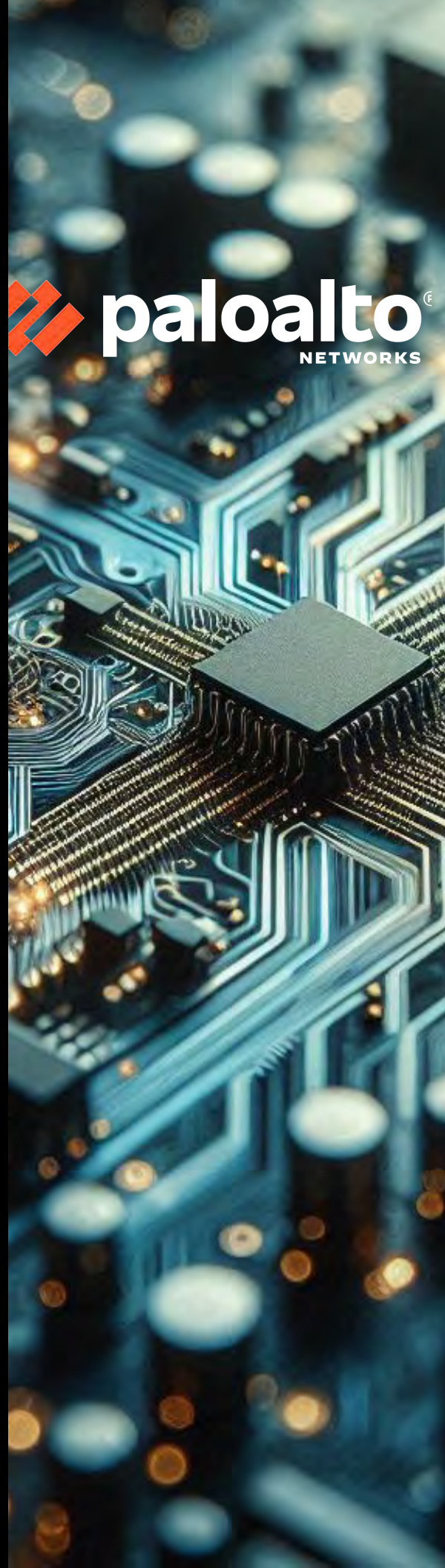
**Presentation: "Navigating a Changing Threat Landscape:
Trends, Gaps, and Actionable Insights"**

Overview: Please join us as we review data from Unit 42's 2025 Incident Response Report, which highlights emerging trends reshaping the threat landscape. We will also examine thematic gaps observed across Unit 42's security operations assessments over the past year, along with tips for establishing more robust preventative and detective controls.

Presenter: Chris Harchelroad, Palo Alto Networks



Bio: Chris Harchelroad is a Consulting Director with Unit 42, Palo Alto Networks' intelligence and incident response team. Chris started his career in cybersecurity in the United States Marine Corps, leading network and security operations centers for NATO communications exercises in Eastern Europe. After being honorably discharged, Chris spent several years working as a team lead within PNC's Bank security operations center. At Unit 42, Chris specializes in security operations assessments and purple team engagements. Chris received his bachelor's degree in engineering from Penn State University and an MBA from the Tepper School of Business at Carnegie Mellon University



Conference Agenda:

Thursday, May 22, 2025

2:00 PM - 4:00 PM

Presentation: "Buckeye Bytes: A Journey into Digital Forensics"

Overview: Embark on a captivating journey into the world of digital forensics in Ohio. Begin with a concise overview of Cellebrite Enterprise Solutions. Dive into a hands-on Collect & Preserve demo featuring Endpoint Inspector and Inseyets, showcasing real-world applications and techniques. Conclude with an engaging Review demo using Physical Analyzer and Relativity, where you'll learn to analyze and interpret digital evidence with precision. This workshop is your gateway to mastering the art of digital investigations.

Presenter: Andy Jacobs, Sales Engineer, Enterprise Solutions



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Conference Agenda:

Thursday, May 22, 2025

4:00 PM - 5:00 PM

Presentation: "Understanding Artificial Intelligence and Emerging Trends in Law Enforcement"

Presenter: Chris Cole

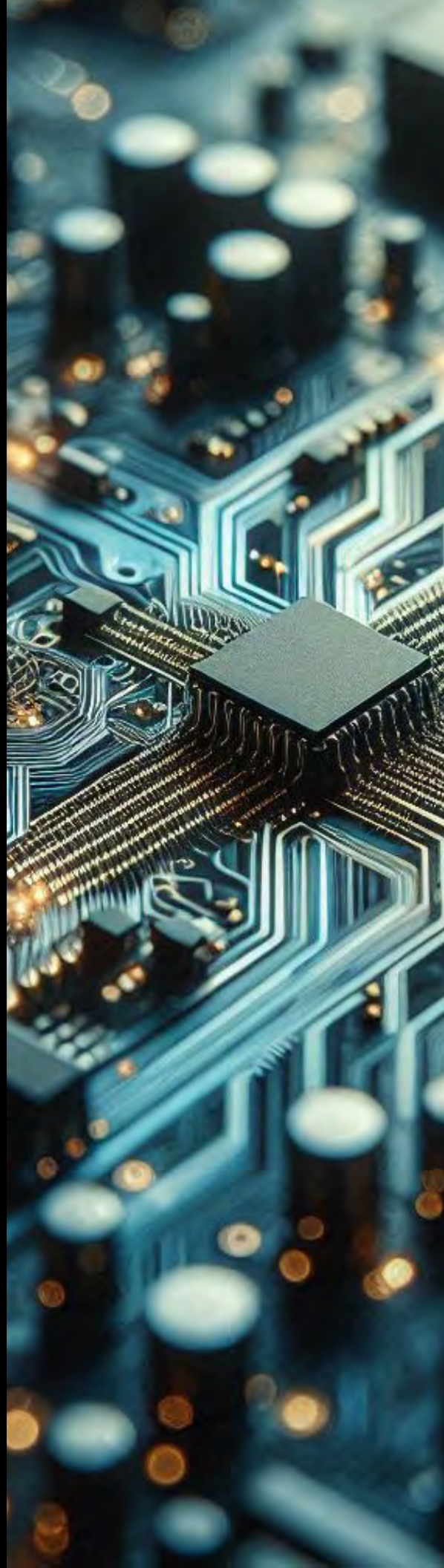


Bio: Chris Cole is the founder of an embedded systems consultancy based in Hudson, Ohio. They specialize in firmware development, microelectronic design, and wireless telemetry for both medical and industrial applications. Recently, he's expanded his expertise into embedded AI, developing innovative solutions such as an automotive object detection system and a vibration sensor capable of predictive analytics for the industrial sector. Mr. Cole holds a Bachelor of Science in Electrical Engineering and an MBA from the University of Akron, Ohio.

6:00 PM - 7:00 PM Cayman Chicken Dinner, 3rd Floor Morgan Balcony

7:00 PM - 10:00 PM Board Games, Board Room

9:00 PM Nighttime Big Foot Hike! Moran Knob's Trail (Meet outside in front of the lodge 8:50 PM, weather permitting.)



Conference Agenda:

Special Non-Profit Partner: The Ohio Identification Officers Association:



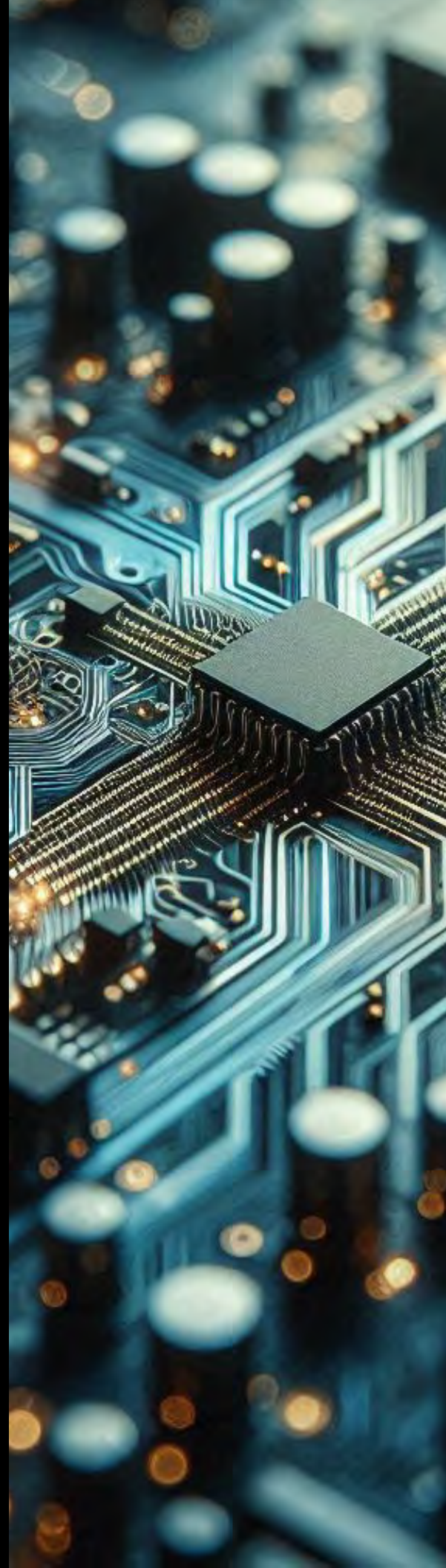
The Ohio Identification Officers Association (OIOA) is a professional organization dedicated to supporting individuals involved in forensic science, criminal investigations, and the scientific examination of physical evidence. Established in 1948, the OIOA serves as the Ohio state division of the International Association for Identification (IAI) .

The association's mission encompasses providing training, continuing education, networking opportunities, and guidance across various areas of forensic science. This includes crime scene processing, evidence collection and analysis, and expert witness testimony. Members of the OIOA work at all levels of law enforcement, contributing to the advancement and integrity of forensic practices within the state .

Annually, the OIOA organizes an educational conferences to facilitate knowledge sharing and professional development among forensic science practitioners. The 2025 OIOA Conference is scheduled to take place from September 3 to 5 at the Embassy Suites Columbus - Dublin in Dublin, Ohio .

More information can be found on our website at

www.ohioidentificationofficersassociation.org



Conference Agenda:

Friday, May 23, 2025

8:15 AM - 9:00 AM Hot Salt Fork Breakfast, 3rd Floor Morgan Balcony

9:00 AM - 9:45 AM

Presentation: "Expert Witness Testimony"

Overview: This presentation will give pointers on how to testify in court.

Presenter: Doug Roderick

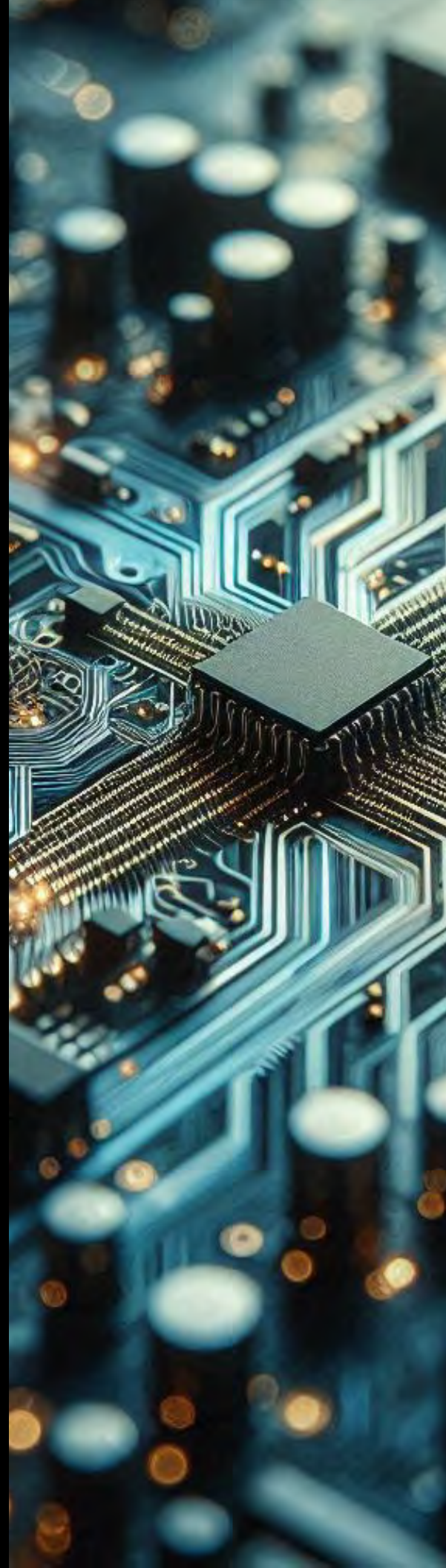
Bio:

Doug Roderick retired from the Dayton Police Department in 2013. While with the DPD, Doug served as a patrol officer, bicycle officer, community based officer, and undercover vice crimes detective. He was a member of the hostage negotiation team and a OPOTA certified instructor for several topics and instructed new recruits and held in-service training at the Dayton Police Academy. Starting in late 1999 Doug began investigating computer crimes and undercover traveler cases which led him into computer forensics in 2000. From 2003 to 2013 he served as a forensic computer examiner for Windows, Macintosh, iOS, GPS, and cell phone based systems with the FBI's Miami Valley Regional Crime Laboratory. Doug was awarded Officer of the Year in 2009 from the Montgomery County Association of Chiefs of Police for his work as a forensic examiner on several cases.

Since 2013 Doug has been the Digital Media Investigations (DMI) Lab Director at EssilorLuxottica responsible for the company's eDiscovery and internal forensic investigations. Having built the program up from the ground floor, DMI now has four labs in the United States with expansions currently planned for Central America and Europe.

Doug has testified in various levels of court proceedings as a subject matter expert and expert witness. He has helped run several expert witness training for the Ohio HTCIA and assisted with Moot Courts in the FBI CART program and at the University of Cincinnati.

Doug currently holds the A+ and Network+ certifications from CompTia, the Certified Forensic Computer Examiner (CFCE) from IACIS and the Certified Computer Examiner (CCE) from the ISFCE.



Conference Agenda:

Friday, May 23, 2025

9:45 AM - 10:30 AM Checkout

10:30 AM - 11:45 AM

Presentation: Moot Court

Description: The Moot Court section will be an audience participation section with commonly seen questions and tactics put to the class and discussions on how best to answer that line of questioning. Questions will be facilitated and guidance and constructive feedback will be given.

11:45 AM - 12:00 PM

Closing remarks, Raffle, Survey, Executive Box Lunch, Summit View Room, 4th Floor



Raffle prizes and snack table from 2024.



Ohio Chapter News

Some happy/sad news, Ohio HTCIA Chapter Board Member Secretary Carlos Gonzalez has left Ohio to work for Samsung in Texas. We really appreciate all the work Carlos has put in for the Ohio Chapter over the past couple years. He did a great interview in one of our newsletters and was a big help at the Ohio Linux Festival. From on behalf of all of us Carlos, thank you so much for your help and good luck with your new job!



Thank you Carlos!

Upcoming Events:

HTCIA Illinois Chapter Meeting Virtual

Topic: How to develop an investigative mindset to master your DFIR cases

Presenter: Brett Shavers, DFIR Training, retired Detective Renton, WA

May 8, 2025 1 PM - 2 PM CDT

Register:

<https://members.htcia.org/event-s-calendar/Details/illinois-chapter-meeting-1pm-ct-2pm-et-virtual-1333867?sourceTypeld=Website>

Ohio Chapter News

Also, Ohio HTCIA Chapter Board Member and First President Katie Drury is stepping down from the board after the Salt Fork Conference to focus on her family. Katie was instrumental in getting Paloalto Networks out to Salt Fork as well as getting us a table at the Ohio Cyber Range Conference. We really appreciate all the time that Katie has put in and we greatly appreciate her work!



Thank you Katie!

Upcoming Events:

HTCIA Ottawa Chapter Meeting

Virtual

Topic: The presentation will be an overview and a demonstration of Advanced Features in X-Ways Forensics that you may not know about: Cleansed images

Reverse Imaging

Block Hashes

Superimposition

Templates and more if time allows.

Presenter: Derek Frawley, served as a Kingston Police officer for 28 years before retiring.

May 13, 2025 6 PM - 7 PM EST

Register:

<https://members.htcia.org/event-s-calendar/Details/ottawa-chapter-meeting-6pm-et-22-00-utc-virtual-1313821?sourceTypeld=Website>

Ohio Chapter News

With all that being said, we need some members to step up and help us on the Ohio HTCIA Board. since we will have two openings. These positions will need to be filled until the elections in Q4 2025.

So, we really need some help! If anyone is interested in being on the board please let me know. Thanks !

Thanks everyone and see you at Salt Fork!
Woohoo!

Brad Barkhurst

president.ohio@htcia.org



Salt Fork Ohio HTCIA Merch Available!

<https://ohio-htcia.printify.me/category/all/1>



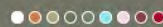
HTCIA Salt Fork 2025/24 Year...

\$7.00



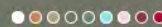
HTCIA Ohio Chapter Unisex ...

\$22.00



HTCIA Salt Fork Searching fo...

\$22.00



Ohio HTCIA
magnets we've been
passing out:



Getting ready for the
Ohio HTCIA Salt Fork
Conference 2025.
Celebrating 24 years!

