# Techno Security & Digital Forensics Conference

# Onsite Snapshot Guide
## June 3-5, 2025 | Wilmington, NC

| Time | Function | Speaker(s) | Room |
|---|---|---|---|
| **Monday, June 2** | | | |
| 12:00pm - 6:30pm | Registration Open | | |
| 3:00pm -4:00pm | Meet & Greet - Operations Shamrock | Erin West | Salon A |
| **Tuesday, June 3** | | | |
| 7:00am - 6:00pm | Registration Open | | |
| 7:30am - 8:00am | Morning Coffee | | |
| 8:00am - 9:00am | KEYNOTE: Operation Shamrock: Disrupting Transnational Crime and Protecting Victims | Erin West | Salon D-E-F |
| 9:00am - 9:30am | Networking Break | | |
| 9:30am -10:20am | A Remote Journey - The Fundamentals of Remote Digital Data Collection | Dan Dollarhide | Salon B |
| 9:30am - 10:20am | AI in Digital Forensics: Hype, Hope, and Hard Truths | Jared Barnhart<br>Heather Mahalik Barnhart | Salon C |
| 9:30am - 10:20am | Cracking Cases: Digital Forensics, OSINT, Wiretaps, and Beyond | Kevin McTiernan | Salon E |
| 9:30am - 10:20am | How Ransomware Attacks Work, How Cyber Insurance Works, and How You Can Get Work | Robert Oleary<br>Dr. D. Kall Loper | Salon D |
| 9:30am - 10:20am | LE ONLY: Preserving Your iOS Extractions with Magnet Graykey | Chris Vance | Salon A |
| 9:30am - 10:20am | Revolutionizing DFIR: Live Demo of the Fastest Forensic Imaging Solution | Victor De La Peña | Room 107 |
| 9:30am - 10:20am | Synthetic Data and Deepfakes: Challenges and Opportunities in Forensics and Legal Discovery | Jerry Bui<br>Monica Harris<br>Sherry Levin Wallach, Esq | Salon F |
| 9:30am - 10:20am | HANDS ON LAB: Encryption Nuts and Bolts. Pre-Registration Required - Visit Reg. Desk for More Info | Bob Osgood | Room 106 |
| 10:30am -11:20am | Mastering Attack Surface Management: Reducing Risk in a Complex Cyber Landscape | James Dodmead | Salon F |
| 10:30am -11:20am | Deep Space - Private Space in Android 15 | Dan Dollarhide | Salon E |
| 10:30am -11:20am | Forensic Analyses of Audio and Video Evidence | Herbert Joe | Salon C |
| 10:30am -11:20am | Mitigating Data Risks Associated with Insider Threats | Justin Tolman | Room 107 |
| 10:30am -11:20am | The Key to Case Success: A Collaboration Story | Heather Mahalik Barnhart<br>Page McBeth | Salon B |
| 10:30am -11:20am | The X-Files:  A Beginner's Guide to XRY for Mobile Device Extraction | Chris Currier | Salon A |
| 10:30am -12:20pm | LE ONLY: Unmanned System Forensics: How One Drone Can Change the Course of Your Investigation | Erik Modisett | Salon D |
| 11:30am -12:20pm | xBit Case Management | Nolan Tracy | Room 107 |
| 11:30am -12:20pm | AI Hype or Helper in Remediating Security Issues: A Case Study | Drew Dennison | Salon E |
| 11:30am -12:20pm | How to XAMIN an XRY File! | Jerome Diamond | Salon A |
| 11:30am -12:20pm | The Challenge of Hyperlinked Documents in E-Discovery | Michael Quartararo<br>Robert Fried<br>Ignatius Grande | Salon F |
| 11:30am -12:20pm | The Critical Role of Metadata in Solving a Complex Child Exploitation Case | Chad Gish | Salon C |
| 11:30am -12:20pm | What's Pawsible in Your Investigations: The ESD K-9 Edge | Kristine Rosado | Salon B |
| 12:20pm - 2:00pm | Food Trucks Onsite | | |
| 1:30pm - 6:30pm | Exhibit Hall Open | | |
| 2:00pm -2:50pm | AI is Not Enough to Beat AI: Pragmatic Deepfake Detection | Martino Jerian | Salon F |
| 2:00pm -2:50pm | Are You on the Blockchain Train? | Eugene Cunningham | Salon C |
| 2:00pm -2:50pm | Inside the Confidence Factor: Assessing the Accuracy of iPhone GPS Data for Digital Forensics | Jeff Rutherford | Salon A |
| 2:00pm -2:50pm | Utilizing ETW for Ransomware Threat Detection | "Ali Hadi<br>Omar Awajan" | Salon E |
| 2:00pm -2:50pm | Why Your Threat Modeling Program Doesn't Work And What You Can Do About It | Eric Hart | Salon D |

| Time | Function | Speaker(s) | Room |
|------|----------|-----------|------|
| 2:00pm -3:50pm | Connecting the Dots: Advanced Link Analysis in Digital Forensics | Amanda Mahan | Salon B |
| 2:00pm -4:50pm | HANDS ON LAB: LEAPP Forward: Unlocking the Power of Open-Source Forensic Analysis. Pre-Registration Required - Visit Reg. Desk for More Info | Alexis Brignoni<br>Heather Charpentier | Room 107 |
| 3:00pm -3:50pm | A Beacon in the Darkness: Navigating Cryptocurrency Investigations | Chase Clowser | Salon F |
| 3:00pm -3:50pm | Essential Early Case Assessment for Mobile Device Extractions | Richard Frawley | Salon E |
| 3:00pm -3:50pm | LE ONLY: XRY Pro: Unlock More Data Using Creative Extraction Techniques | Christoffer Kraft | Salon A |
| 3:00pm -3:50pm | Redefining Insider Threat Management: A Human-Centric Approach | Joe Evangelisto | Salon D |
| 3:00pm -3:50pm | USB Flash Drive Artifact Hunt | Kate Davenport | Salon C |
| 4:00pm -4:50pm | Advancing Law Enforcement Through Technology & Information Sharing: Lessons from the Laken Riley Case | Kevin DeLong | Salon F |
| 4:00pm -4:50pm | An Employee Stole Millions of Dollars Worth of Company Data… Or Did They?. | Matt Danner | Salon C |
| 4:00pm -4:50pm | Ask Us Anything: I Beg to DFIR with the Cellebrite 101 Operatives | Heather Mahalik Barnhart<br>Cellebrite 101 Experts | Salon B |
| 4:00pm -4:50pm | Can a Single Rotten Plank Sink the Ship of Evidentiary Integrity? | Christopher Atha | Salon D |
| 4:00pm -4:50pm | Determining Reality: Defensive Techniques to Combat Advanced Synthetic Identities | Conor White | Salon E |
| 4:00pm -4:50pm | Enhancing IR with Magnet Axiom Cyber and Magnet Nexus: New Approaches for Evolving Threats | Jeff Rutherford | Salon A |
| 5:00pm - 6:00pm | Happy Hour in Exhibit Hall | | |

## Wednesday, June 4

| Time | Function | Speaker(s) | Room |
|------|----------|-----------|------|
| 8:00am - 4:30pm | Registration Open | | |
| 8:00am - 8:30am | Morning Coffee | | |
| 8:30am -9:20am | AI in Digital Forensics: Useful Abstraction or Useless Distraction? | Adam Firman<br>Heather Charpentier<br>Alexis Brignoni | Salon A |
| 8:30am -9:20am | Artificial Intelligence and Generative AI: Causes of Action and Defenses and Discovery | Bernice Donald<br>Ronald Hedges | Salon F |
| 8:30am -9:20am | Calling All Digital Forensics Examiners: Outsmarting Anti-Forensics | Caroline Cappy | Salon D |
| 8:30am -9:20am | From Factory to Forensics: Configuring Your Mac for Digital Investigations | Steven Whalen | Salon C |
| 8:30am -9:20am | LE ONLY: Hitting a Lick: Working with OSINT & Judicial Data in Investigations | Elisabeth Halonen | Room 106 |
| 8:30am -9:20am | Self-healing Environments and Cross-architecture Code Similarity: Two DARPA Funded Research Projects with Impacts on Cybersecurity and Digital Forensics | David Kovar | Salon E |
| 8:30am -10:20am | Digital Forensics Unleashed - Multilingual Evidence, Malware Detection, and OCR Challenges | Ryan Ebersole | Salon B |
| 8:30am -11:20am | HANDS ON LAB: Sysdiagnose Logs 101. Pre-Registration Required - Visit Reg. Desk for More Info | Kim Bradley | Room 107 |
| 9:30am -10:20am | Context Matters - Practical Approaches to Turning Data into Actionable Intelligence | Dennis Kuntz | Salon F |
| 9:30am -10:20am | Exploring iOS' "Adjust Date & Time" in DFIR | Brandon Epstein<br>Matt Fullerton | Salon A |
| 9:30am -10:20am | Mobile Device Faraday Shielding and Charging from Field to Lab | Ryan Judy | Room 106 |
| 9:30am -10:20am | Uncovering the Hidden Truth Case Study: Dark Web Marketplaces & Child Exploitation | Melissa Maranville | Salon E |
| 9:30am -10:20am | Vehicle Forensics: Data Extraction from the Memory Chips of Telematic and Wireless Modules | Michal Paczkowski | Salon D |
| 9:30am -11:20am | Telegram: Its 2025 Crypto Initiatives | Erik Arnold<br>Stephen Arnold | Salon C |
| 10:30am -11:20am | Get in the DF Fastlane: What's on Cellebrite's Digital Investigative Roadmap | Matt Goeckel<br>Paul Lorentz | Salon B |
| 10:30am -11:20am | Secure Element Enabled Android Phones: What is it and How Does it Affect My Work? | Martin Westman | Salon D |
| 10:30am -11:20am | Split Personalities – Understanding Multiple User Account Purposes in Android | Chris Vance | Salon A |
| 10:30am -11:20am | The Nation-State as a Cybercriminal | David Vargas | Salon E |
| 10:30am -11:20am | What Happens Next?  Using eDiscovery Tools and AI to Tell the Rest of the Story | Bree Murphy<br>Laura Anne Day | Salon F |
| 10:30am -11:20am | Working with Mobile Devices during Internal Investigations | Dan Carroll | Room 106 |
| 10:30am - 4:30pm | Exhibit Hall Open | | |
| 11:30am -12:20pm | "Satan's Child"- From Cybertip to the Rescue of Multiple Children in Orlando Florida | Jennifer Wing | Salon F |
| 11:30am -12:20pm | Fire in the Sky: Drone Threats to Critical Infrastructure and the Digital Forensic Examiners Response | Joshua Smith | Salon E |

| Time | Function | Speaker(s) | Room |
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| 11:30am -12:20pm | How to Boost Investigator Collaboration and Enable Efficient Data Storage | Emil Warnicke | Salon A |
| 11:30am -12:20pm | IntelliView by Paladin AI: Revolutionizing Investigations with Big Data Analytics | "Somesh Sawhney Moahan Verma" | Room 107 |
| 11:30am -12:20pm | LE ONLY: Piercing the Veil - An In-depth Look at Mobile Device Security | Matt Finnegan | Salon B |
| 11:30am -12:20pm | The Safe Use of AI: Strategies to Ensure Data Integrity and Evidence Admissibility | Rob Maddox | Salon D |
| 11:30am -12:20pm | Wireless Witness: Uncovering Digital Evidence from Android WiFi & Bluetooth | Jared Barnhart Joshua Hickman | Salon C |
| 11:30am -12:20pm | Zero to Evidence in Seconds: Mobile Acquisition Redefined | Paul Alemoan | Room 106 |
| 12:20pm - 2:00pm | Lunch in Exhibit Hall | | |
| 2:00pm -2:50pm | AI and the Impact it's Having Through Video and Image Generation | John Pizzuro | Salon E |
| 2:00pm -2:50pm | An Introduction to Media File Structure for Digital Investigations | Brandon Epstein | Salon A |
| 2:00pm -2:50pm | LE ONLY: CryptOSINT: OSINT Your Crypto Cases... And Not Just on the Blockchain | John O'Hare | Salon D |
| 2:00pm -2:50pm | Detecting Deep Fake Digital Photographs: Utilizing Python and AI to Analyze and Detect Anomalies in Digital Images | Chester Hosmer | Salon C |
| 2:00pm -2:50pm | Mastering the Art of Expert Witness Testimony: Insights From a Testifying Expert | William Aycock | Salon F |
| 2:00pm -2:50pm | NCMEC Hash Value Database Integration: Cellebrite's Commitment to Protecting Children | Jared Barnhart Matt Parker | Salon B |
| 2:00pm -2:50pm | Unlocking Insights: Accelerating Forensic Triage with Advanced Log Analysis | Jessica Hyde Amy Moles | Room 106 |
| 2:50pm - 3:30pm | Networking Break in Exhibit Hall | | |
| 3:30pm -4:20pm | An Overview of AI-generated Results in DFIR Exams | Brandon Epstein | Salon E |
| 3:30pm -4:20pm | Everything Including the Kitchen Sync: Identifying and Leveraging Synced Devices | Ian Whiffin | Salon B |
| 3:30pm -4:20pm | LE ONLY: From Encrypted to Evidential: Investigating HSCs & MDMs in Organized Crime | Special Constable Andrew Metrick Eric Easterbrook | Salon A |
| 3:30pm -4:20pm | Mobile Forensic Collections: Which Method and Tool Work Best for eDiscovery and the Private Sector? | Alan Lee | Salon F |
| 3:30pm -4:20pm | Targeting System in the Age of AI | Mr. Basem Ayash | Room 107 |
| 3:30pm -4:20pm | The Future of Network Security: Trends and Predictions | Jennifer Minella | Salon D |
| 3:30pm -4:20pm | Unlocking Hidden Data: Mastering SQLite Forensics | Anna Truss | Salon C |

## Thursday, June 5

| Time | Function | Speaker(s) | Room |
|---|---|---|---|
| 8:00am - 3:00pm | Registration Open | | |
| 8:00am - 8:30am | Morning Coffee | | |
| 8:30am -9:20am | Black Box Investigations: Navigating the Risks of Automated Data Collection | Jessica Stutzman | Salon D |
| 8:30am -9:20am | Force Multiplication Through Collaboration - Part 1: Employing Tools for Collaborative Examination of Digital Evidence | Matt Finnegan | Salon B |
| 8:30am -9:20am | Obfuscation in Digital Forensics - Joseph Andes Case Study | Brian Hempstead | Salon C |
| 8:30am -9:20am | Six Pillars of Digital Evidence | Chad Gish Steve Gemperle | Salon A |
| 8:30am -9:20am | The Intersection of AI, Forensic Readiness, and eDiscovery: Preparing for the Future of Litigation | Jerry Bui Monica Harris | Salon F |
| 8:30am -10:20am | Going on a Cyber Attack Surface Treasure Hunt | Ken Cutler | Salon E |
| 9:30am -10:20am | Big Data Investigation within the Dutch Police | Taco Pompe | Salon F |
| 9:30am -10:20am | Capture the Flag: Mapping Digital Evidence with Multiple Devices | Page McBeth | Salon B |
| 9:30am -10:20am | Operation Artemis: Putting Victims First in the Fight Against CSAM | Adam Firman Tom Farrell Catherine Cox | Salon A |
| 9:30am -10:20am | Staying Ahead of Cybercriminals: Generative AI and the New Era of Financial Fraud | Michele Boland | Salon D |
| 9:30am -10:20am | The Artificial Witness - Forensic Implications of an Onboard Artificial Intelligence | Dan Dollarhide | Salon C |
| 10:30am -11:20am | Actually, You Should be Using Social Media (data) at Work | Josh Janow | Salon F |
| 10:30am -11:20am | Following the Money | Tracking Mobile Payment Artifacts | Chris Vance | Salon A |
| 10:30am -11:20am | How to Align Compliance Activities | Dave Fairburn | Salon E |

| Time | Session | Speaker | Room |
|---|---|---|---|
| 10:30am -11:20am | LE ONLY: Advanced Searching: Bringing Clarity to Examinations and Analysis from Extraction to Reporting | Amanda Mahan | Salon B |
| 10:30am -11:20am | Mastering Microsoft OneDrive Forensics: Navigating Cloud-Based Challenges | Damien Attoe<br>Rob Attoe | Salon C |
| 10:30am -11:20am | Securing Resources and Funding for Mobile Device Forensics and Training | Debbie Garner | Salon D |
| 10:30am - 3:00pm | Exhibit Hall Open | | |
| 11:30am -12:20pm | What's Out There? Surfacing Publicly Available Information Instantly | Amelia Quan | Salon B |
| 11:30am -12:20pm | Addressing Insider Risk: A Psychological Approach to Proactive Risk Management | Nazar Akrami | Salon F |
| 11:30am -12:20pm | Breaking Barriers: The Future of Interoperable Digital Forensics | Adam Firman<br>Anna Urbani<br>Jansen Cohoon<br>Rob Maddox<br>Stephen Lewington | Salon A |
| 11:30am -12:20pm | Digital Forensics Licensing: The Why, What, and How of Regulation in North Carolina and Beyond | Paul Sherwin | Salon D |
| 11:30am -12:20pm | Discord OSINT Demystified: Tools, Tips, and Best Practices | Jesse Ward | Salon C |
| 11:30am -12:20pm | Quantum Computing and Its Impact on INFOSEC | Kenneth Kelley | Salon E |
| 12:20pm - 2:00pm | Lunch in Exhibit Hall | | |
| 2:00pm -2:50pm | A Higher Power: Working Smarter Not Harder in the Cloud | Scott Koenig | Salon B |
| 2:00pm -2:50pm | Auditing Generative AI Cyber Risks: A Case Study | Stephen Head | Salon E |
| 2:00pm -2:50pm | Defeating the Dark Web: The Latest Updates, Evidence Collection, Countermeasures, and Investigation Techniques | Steven Bar | Salon F |
| 2:00pm -2:50pm | Enhancing Multimedia Investigations with Magnet Griffeye and T3K.AI | Jeff Rutherford<br>Felix Klier | Salon A |
| 2:00pm -2:50pm | Forensic Validation: Maintaining a Diversified Toolkit | Robert Fried<br>Paula Viall | Salon D |
| 2:00pm -2:50pm | Tower Dumps and Area Searches | Nicholas Falcicchio | Salon C |
| 3:00pm - 3:50pm | Force Multiplication Through Collaboration - Part 2: Going Hands-on with Oxygen Analytic Center | Matt Finnegan | Salon B |
| 3:00pm - 3:50pm | Incident Response Preparedness | Nia Samir | Salon E |
| 3:00pm - 3:50pm | Investigating Mobile RAM - Are You Nerd Enough? | Adam Firman | Salon A |
| 3:00pm - 3:50pm | Just the "Just the Arti-facts, ma'am" | Robert Oleary<br>Dr. D. Kall Loper | Salon C |
| 3:00pm - 3:50pm | Ukraine/Russia - Lessons Relearned for Critical Infrastructure Operations | Larry Leibrock | Salon F |
| 3:00pm - 3:50pm | Using AI Computer Vision in your OSINT data analysis | Michael Raggo<br>Chester Hosmer | Salon D |

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