

**DAY 1: APRIL 24, 2017**

| Session 1<br>(10:00am - 11:15am)   | Session 2<br>(11:30am - 12:45pm)  | Session 3<br>(2:30pm - 3:40pm)  | Session 4<br>(3:50 - 5:00)   |
|--|---|---|--|
| <p align="center"><b>Tips &amp; Tricks in High Tech Crimes</b><br/>(M. Menz, HPE &amp; K. Loving, MSAB)</p>  |   | <p><b>Successful Case Studies of Applying Big Data to Dark Web Investigation, Data Breaches, and Payment Card Breaches</b><br/>(D. Rogers - Terbium Labs)</p> | <p><b>Swatting, Doxing, &amp; Cyber Investigations</b><br/>(D. Costantino, NJSP)</p>   |
| <p><b>Video Examination for the Police Investigator</b><br/>(G. Fredericks, Forensic Video Solutions)</p>  | <p><b>Surveillance/Wire Tapping</b><br/>(P. Hanley, MA AGO &amp; M. King, FBI)</p>                              | <p><b>Microsoft Online Safety and LENS: Cybertips and Overviews</b><br/>(T. Ingle &amp; S. Sullivan, Microsoft)</p>   | <p><b>Intelligence Collections for Law Enforcement</b><br/>(K. Branzetti, DANY)</p>  |
| <p><b>Live RAM Analysis: from Acquisition to Reporting</b><br/>(Y. Gubanov, Belkasoft)</p>   | <p><b>Advances in Forensic Hardware</b><br/>(M. Kressel, Sumuri)</p>  | <p><b>Windows 10 Privacy Tweaks</b><br/>(Herb Pittman, FLETC)</p>   | <p><b>Social Apps in Smartphone Investigations</b><br/>(J. McQuaid, Magnet)</p>  |
| <p><b>Accelerate Your Digital Investigations</b><br/>(R. Frawley, ADF Solutions)</p>   | <p><b>Deep Diving for Forensic Gold – Applications, and Deleted Data</b><br/>(L. Reiber - Oxygen Forensics)</p> | <p><b>DVR Triage: Best Practices for Recovering Digital Video Evidence</b> (P. Melaragni, MA AGO)</p>   | <p><b>Case Studies: Discovering and Analyzing Digital Data Acquired from Motor Vehicle Systems and Connected Mobile Devices</b><br/>(D. Brister, Berla)</p>    |
| <p align="center"><b>osTriage Update/Refresh (Part 1 of 2)</b><br/>(J. Rich, Plano Police Deptment (TX))</p>   |   | <p align="center"><b>Going Incognito: Simple Steps to Become Anonymous Online</b><br/>(T. Doyle, FBI)</p>   |  |
| <p><b>Investigating in the Cloud</b><br/>(J. Sedoski, NW3C)</p>  | <p><b>The Dark Web: Tor-chlights Needed Past This Point</b><br/>(K. Petro, NW3C)</p>                            | <p><b>Open Source Intelligence Gathering</b><br/>(J. Sedoski, NW3C)</p>   | <p><b>Virtual Currency: Dollar Dollar Bits Y'all</b><br/>(K. Petro, NW3C)</p>  |
| <p><b>Blazing through Massive Amounts of Pictures and Videos</b><br/>(R. Navarro, Griffey)</p>   | <p><b>RAM: A “Real-World” Approach to Memory Acquisition &amp; Analysis</b><br/>(J. Shackelford, PassMark)</p>  | <p align="center"><b>OS X Native Analysis in a Virtual Environment (Limit 24)</b><br/>(J. Leech, FLETC)</p>   |  |
| <p align="center"><b>Twitter Investigations</b><br/>(J. Fitzsimmons &amp; L. Wagner, SEARCH)</p>   |   | <p align="center"><b>Autopsy Lab</b><br/>(B. Carrier, Basis Technology)</p>   |  |
| <p><b>SEARCH Investigative Resources</b><br/>(T. Lott &amp; D. Chatfield, SEARCH)</p>  | <p><b>Introduction to the Darknet</b><br/>(T. Lott &amp; D. Chatfield, SEARCH)</p>                              | <p><b>Mac Forensic Imaging for Core Storage, Fusion Drives and FileVault</b><br/>(S. Whalen, Sumuri)</p>  | <p><b>Advanced digital forensic training: from smartphone to cloud acquisition, from carving to SQLite forensics, and more</b><br/>(Y. Gubanov, Belkasoft)</p> |
| <p><b>Enabling Team Collaboration: Unifying Investigative Teams with the Right Information in the Right Format at the Right Time</b><br/>(J. Cole &amp; A. Buxton, Cellebrite)</p> | <p><b>UFED Technology / UFED Reader</b><br/>(J. Cole &amp; A. Buxton, Cellebrite)</p>                           | <p><b>Extracting from the Impossible: Working with Damaged Mobile Devices</b><br/>(A. Buxton &amp; B. Morgan, Cellebrite)</p>                                 | <p><b>Forensic Mobile Device Repair</b><br/>(A. Buxton &amp; B. Morgan, Cellebrite)</p>  |
| <p align="center"><b>Recovery of Video Evidence Using DVR Examiner (Hands-on) (Limited to 16)</b><br/>(B. Rolland-Keith, DME Forensics)</p>  |   | <p><b>Forensic Audio Clarification Basics</b><br/>(B. Rolland-Keith, DME Forensics)</p>   | <p><b>The Future of DVR Examiner – DVR Examiner 2.0 Preview</b><br/>(J. Schroering, DME Forensics)</p>   |
| <p><b>Introduction to Forensics &amp; Cyber</b><br/>(D. McSweeney, MSP &amp; J. Fitzsimmons, SEARCH)</p>   | <p><b>Authentication &amp; Admissibility</b><br/>(H. Wise, Ventura County DAO)</p>                              | <p><b>Mobile Evidence Sources</b><br/>(L. Wagner, SEARCH)</p>   | <p><b>Social Media Investigations</b><br/>(L. Wagner, SEARCH)</p>  |
| <p><b>Tracing IP Addresses</b><br/>(G. Kessler, Embry-Riddle Aeronautical University)</p>  | <p><b>IPv6</b><br/>(G. Kessler, Embry-Riddle Aeronautical University)</p>                                       | <p><b>ECPA &amp; SCA</b><br/>(A. Abraham)</p>   | <p><b>Legal Issues in the Cloud</b><br/>(A. Abraham)</p>   |
| <p><b>Cyber Incident Triage</b><br/>(B. Carrier, Basis Technology)</p>   | <p><b>The Consumer Sentinel Network: A Free Cybertool for Law Enforcement</b><br/>(N. Mastrocinque - FTC)</p>   | <p><b>Cyber Security Panel</b><br/>(J. Emerson, IACP, M. Meglino, ODNI)</p>   | <p><b>ATT NELOS Reports</b><br/>(S. Ray, Zetx)</p>   |
| Lab  | Lecture   |   |  |

**Day 2: APRIL 25, 2017**

| Session 5<br>(8:30am - 9:40am)  | Session 6<br>(9:50am - 11:00am)   | Session 7<br>(11:10am - 12:20pm)  | Session 8<br>(2:15pm - 3:30pm)   | Session 9<br>(3:45pm - 5:00pm)  |
|---|---|---|--|---|
| <b>HUMAN TRAFFICKING</b><br>Spotlight<br>(Kristin Boorse, Thorn)  | <b>HUMAN TRAFFICKING</b><br>Illicit Massage Businesses<br>(MA AGO - Human Trafficking Division)                             | <b>HUMAN TRAFFICKING</b><br>Traffic Jam<br>(Cara Jones, Marinus Analytics)                          | <b>HUMAN TRAFFICKING</b><br>Demand Reduction<br>(Angie Bayliss, CEASE Phoenix)   | <b>HUMAN TRAFFICKING</b><br>Sex Buyer Stings<br>(MA AGO - Human Trafficking Division)                           |
| <b>CHILD EXPLOITATION</b><br>Trends in Child Exploitation Investigations<br>(J. Rich, Plano TX PD)                      | <b>CHILD EXPLOITATION</b><br>Proactive and P2P Investigations<br>(J. Rich, Plano TX PD)                                     | <b>CHILD EXPLOITATION</b><br>Interviewing in Child Exploitation Cases<br>(J. Rich, Plano TX PD)     | <b>CHILD EXPLOITATION</b><br>Diving Deeper: Big Data Analytics to Interpret EXIF in NCMEC's Child Victim Identification Program<br>(S. Allwang, NCMEC) | <b>CHILD EXPLOITATION</b><br>Once the Shutter Snaps: From Victimization to Restitution<br>(S. Allwang, NCMEC)   |
| <b>TERRORISM</b><br>ISIS Tactics; Kids, drones, vehicles, and bombs; Are you ready?<br>(K. Branzetti, DANY)             | <b>TERRORISM</b><br>Being a Source in a Terrorism Investigation and How to Recruit Future Sources<br>(Former Source)        | <b>TERRORISM</b><br>Continued Rise of the Cyber-Jihadist<br>(L. Alkouri, Flashpoint)                | <b>TERRORISM</b><br>Starting your Intel Unit; Advanced Intel Collection Techniques<br>(K. Branzetti, DANY)   | <b>TERRORISM</b><br>Operational Cyber-Security Procedures and Techniques in Undercover Investigations<br>(NYPD) |
| Microsoft Online Safety and LENS: Cybertips and Overviews<br>(T. Ingle & S. Sullivan, Microsoft)                        | Facebook<br>(J. Barry, Facebook)  | Google<br>(C. McGoff & A. Senese, Google)   | Apple<br>(K. O'Shea, S. Cazador & L. Olle, Apple)  | Reaching Out, an Overview of Working with Industry and Building Relationships<br>(S. Hyde, HTCC)                |
| Introduction to Open Source Intelligence (OSINT) & Social Media<br>(Limit 30)<br>(B. Gavioli, MSP & E. Bradstreet, DHS) |   |   |  |   |
| Open Source Intelligence Gathering<br>(J. Sedoski, NW3C)  | The Dark Web: Tor-chlights Needed Past This Point<br>(K. Petro, NW3C)   | Investigating in the Cloud<br>(J. Sedoski, NW3C)  | Virtual Currency: Dollar Dollar Bits Y'all<br>(K. Petro, NW3C)   | Open Source Intelligence Gathering<br>(J. Sedoski, NW3C)  |
| Determining Sources of Information for a Case<br>(M. Menz, HPE)   | Blazing through Massive Amounts of Pictures and Videos<br>(R. Navarro, Griffey)   | Developing an IR Response Script for Log Collection and Memory Collection<br>(M. Menz, HPE)         | Driving your Investigation with Vehicle and Cell Phone Forensics<br>(K. Loving, MSAB)  |   |
| Facebook Searching and Saving<br>(J. Fitzsimmons & L. Wagner, SEARCH)   |   |   | Wi-Fi Tools for Analysis and Geo-Location (WTAG)<br>(R. Dauzat, FLET)  |   |
| Introduction to WinFE<br>(T. Lott & D. Chatfield, SEARCH)   |   |   | Introduction to the Darknet<br>(T. Lott & D. Chatfield, SEARCH)  | Live Analysis: '5-Minute Forensics' in P2P Cases<br>(J. Shackelford - Passmark)                                 |
| Take the Driver's Seat with Advanced Cell Phone Analysis<br>(A. Buxton & J. Cole, Cellebrite)                           | Advanced Smart Phone<br>(A. Buxton & J. Cole, Cellebrite)   | Trends in Digital Investigations - Optimizing the Investigative Workflow<br>(R. Engler, Cellebrite) | Maximizing Digital Evidence and Overcoming Challenges<br>(R. Colangelo, NCFI)  | PC and Mobile Forensics Current Capabilities and Training Review<br>(A. Buxton, B. Page, B. Morgan, NCFI)       |
| Advanced DVR Analysis Case Studies<br>(J. Schroering, DME Forensics)  | Acquisition & Processing of Video Evidence with DVR Examiner & -iNPUT-ACE<br>(J. Schroering & G. Fredericks, DME Forensics) | DME Forensics   | Recovery of Video Evidence Using DVR Examiner (Hands-on) (Limited to 16)<br>(J. Schroering, DME Forensics)   |   |
| ECPA<br>(A. Abraham)  | Search Warrants & Non-Warranted Seizure<br>(C. Diaz, Cumberland County DAO)   |   | Forensic Hands-On for Prosecutors<br>(C. Kelly, MA AGO)  |   |
| Report Writing<br>(G. Kessler, Embry-Riddle Aeronautical University)  | Search & Seizure of Digital Evidence<br>(K. Connolly, Barnstable PD)  |   | Search Warrants 101<br>(A. Portney, MA AGO)  | Search Warrants 102<br>(A. Portney, MA AGO)   |
| Human Hacking: The Art of Social Engineering<br>(R. Harnish, GreyCastle Security)                                       | You've Been Hacked, Now What?<br>(R. Harnish, GreyCastle Security)  | Router Forensics<br>(G. Kessler, Embry-Riddle Aeronautical University)                              | The Internet of Things: Understanding and Using IoT to Prove Your Case<br>(J. Fitzsimmon & L. Wagner, SEARCH)  | Deep and Dark on the Web<br>(R. Comella, AccessData)  |
| Introduction to i2 Enterprise Insight Analysis (EIA)<br>(IBM)   | Tips and Tricks for Analysts using i2 Analyst's Notebook<br>(IBM)   | Introduction to Intelligence Analysis using i2 Analyst's Notebook<br>(IBM)                          | Cyber Crime - How To Stop Criminals From Getting Rich Without Getting Caught.<br>(IBM)   | Cloud Storage for Investigations/Law Enforcement<br>(IBM)   |
| Lab   | Lecture   |   |  |   |

**DAY 3: APRIL 26, 2017**

| Session 10<br>(8:30am - 9:40am)  | Session 11<br>(9:50am - 11:00am)  | Session 12<br>(11:10am - 12:20pm)  | Session 13<br>(2:15pm - 3:30pm)   | Session 14<br>(3:45pm - 5:00pm)  |
|--|---|--|---|--|
| Forensics on a Budget<br>(M. Menz, HPE)  | Memory Analysis with Magnet RAM Capture and Magnet AXIOM<br>(J. McQuaid, Magnet)                      | Technical Aspects of Aaron Hernandez Investigation/Trial<br>(J. Donovan, MSP)  | Boston Marathon Bombing<br>(K. Swindon & J. Petrozzelli, FBI)                                     | How to Automate your Workflow and Data Analytics<br>(B. Chou, Personable)  |
| Ghost in Shell Items<br>(D.Cowen, SANS)  |   | Treasure Hunting for USB Gold<br>(E. Dygert, SANS)   | Meet SRUM<br>(E. Dygert, SANS)  | Artifacts of Online Information Exposure and Methods for More Effective Online Investigations<br>(A. Barr, Digital Outcomes) |
| Basic Video Forensics for Investigators<br>(G. Fredericks, Forensic Video Solutions)                 |   |  | Verizon PCMD-RTT Data<br>(S. Ray, Zetx)   |  |
| Wi-Fi Tools for Analysis and Geo-Location (WTAG)<br>(R. Dauzat, FLETC)                               |   | Windows 10 Privacy Tweaks<br>(Herb Pittman, FLETC)   | OS X Native Analysis in a Virtual Environment (Limit 24)<br>(John Leech, FLETC)                   |  |
| Investigating in the Cloud<br>(J. Sedoski, NW3C)   | Virtual Currency: Dollar Dollar Bits Y'all<br>(K. Petro, NW3C)  | Open Source Intelligence Gathering<br>(J. Sedoski, NW3C)   | The Dark Web: Tor-chlights Needed Past This Point<br>(K. Petro, NW3C)                             | Investigating in the Cloud<br>(J. Sedoski, NW3C)   |
| OSForensics Triage Certificate Course<br>(J. Shackelford, PassMark)                                  |   |  | Hot Tub Forensic Time Machine<br>(D.Cowen)  | Released for Judicial Panel<br>(Tiffany Ballroom)  |
| BlueStacks for App Investigations<br>(J. Fitzsimmons & L. Wagner, SEARCH)                            | Firefox Addons: Free Resources to Enhance your Investigations<br>(J. Fitzsimmons & L. Wagner, SEARCH) | Become A Google Jedi: Save Yourself From Information Overload<br>(J. Fitzsimmons & L. Wagner, SEARCH)                          | Emerging Technologies<br>(J. Fitzsimmons & L. Wagner, SEARCH)                                     |  |
| Introduction to WinFE<br>(T. Lott & D. Chatfield, SEARCH)  |   |  | Digital Evidence Investigator<br>(R. Frawley, ADF Solutions)                                      |  |
| CCME Prep Session<br>(A. Buxton, B. Morgan, J. Cole Cellebrite)                                      | Preparing to Testify Digital Evidence in Court<br>(R. Engler, Cellebrite)                             | Technology in Terrorism and Counterterrorism<br>(M. Hassan, Cellebrite)  | Undercover Device Evidence: Accelerating Social Network Investigations<br>(R. Engler, Cellebrite) | Social Network Investigations<br>(A. Buxton & J. Cole, Cellebrite)   |
| The Future of DVR Examiner – DVR Examiner 2.0 Preview<br>(J. Schroering, DME Forensics)              | Vehicle Make/Model Determination<br>(B. Rolland-Keith, DME Forensics)                                 | Cell Towers, Cell Phones, and Video Surveillance: Bringing Evidence Together for the Courtroom<br>(K. Connolly, Barnstable PD) | Uber for Law Enforcement<br>(W. Stormer & M. Sullivan, Uber)                                      | Released for Judicial Panel<br>(Tiffany Ballroom)  |
| Trial Prep   Experts, Evidence & Multimedia Exhibits (Part 1)<br>(A. Yas & C. Crawford, Norfolk DAO) | Trial Prep   Experts, Evidence & Multimedia Exhibits (Part 2)<br>(A. Yas & C. Crawford, Norfolk DAO)  | Hot Topics in Cyber & Digital Evidence<br>(C. Diaz, H. Wise, D. McSweeney, C. Kelly)   | Mock Trial: Direct & Cross<br>(C. Diaz & H. Wise)   |  |
| 4th Amendment/Particularity<br>(C. Campbell, Suffolk DAO & J. Charles, Middlesex DAO)                | Cyber Oral Argument<br>(C. Campbell, Suffolk DAO & J. Charles, Middlesex DAO)                         | Interview & Interrogation<br>(P. Curran, Norwood PD)   | Expert Witness<br>(J. Verner, Suffolk DAO)  |  |
| Understanding Google Location Information<br>(S. Ray, ZetX)  |   | Techniques and Strategies for Using Facial Recognition in Cyber Crime Investigations<br>(R. Rodriguez - Vigilant Solutions)    | Intelligence Collections for Law Enforcement<br>(K. Branzetti, DANY)                              |  |
| Lab  | Lecture   |  |   |  |