

Conference Overview

Day One (Monday, April 22, 2013)

| | | |
|---------------------|---|-------------------|
| 7:30 - 8:15 AM | Registration and Continental Breakfast | Tiffany Ballroom |
| 8:30 - 8:45 AM | Opening Ceremony and Welcoming Remarks Massachusetts Attorney General Martha Coakley | Tiffany Ballroom |
| 8:45 - 9:45 AM | Featured Speaker Robert McKenna - Partner - Orrick, Herrington & Sutcliffe LLP Former Attorney General of the State of Washington | Tiffany Ballroom |
| 10:00 - 11:15 AM | Breakout Session 1 | Various Locations |
| 11:30 AM - 12:45 PM | Breakout Session 2 | Various Locations |
| 1:00 - 2:00 PM | Lunch - Featured Speaker Special Agent Eric Zimmerman - FBI | Tiffany Ballroom |
| 2:15 - 3:30 PM | Breakout Session 3 | Various Locations |
| 3:45 - 5:00 PM | Breakout Session 4 | Various Locations |
| 5:15 - 5:45 PM | Product Demo - Applied Securities, Inc. | Tiffany Ballroom |
| 6:00 - 8:00 PM | Networking Session with Demo - Cellebrite | Zachariah's |

Day Two (Tuesday, April 23, 2013)

| | | |
|---------------------|--|-------------------|
| 7:30 - 8:15 AM | Continental Breakfast | Tiffany Ballroom |
| 7:45 - 8:15 AM | Product Demo - Abosolute Software | Tiffany Ballroom |
| 8:30 - 9:40 AM | Breakout Session 5 | Various Locations |
| 9:50 - 11:00 AM | Breakout Session 6 | Various Locations |
| 11:10 AM - 12:20 PM | Breakout Session 7 | Various Locations |
| 12:30 - 1:30 PM | Lunch - Featured Speaker Dr. Sujeet Shenoj - University of Tulsa | Tiffany Ballroom |
| 1:45 - 3:00 PM | Breakout Session 8 | Various Locations |
| 3:15 - 4:30 PM | Breakout Session 9 | Various Locations |
| 4:45 - 6:30 PM | Networking Session with Presentation - MDEC | Tiffany Ballroom |

Day Three (Wednesday, April 24, 2013)

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|---------------------|---|-------------------|
| 7:30 - 8:15 AM | Continental Breakfast | Tiffany Ballroom |
| 7:45 - 8:15 AM | Product Demo - "X 1 Social Discovery" - NW3C | Tiffany Ballroom |
| 8:30 - 9:40 AM | Breakout Session 10 | Various Locations |
| 9:50 - 11:00 AM | Breakout Session 11 | Various Locations |
| 11:10 AM - 12:20 PM | Breakout Session 12 | Various Locations |
| 12:30 - 1:30 PM | Lunch - Featured Panel Case Study Department of Homeland Security Operation Holitna | Tiffany Ballroom |

Prosecutor Agenda, Room 203

Day 1 - Page 5

- 10:00 – 11:15 AM **Intro to Cyber Crime and Digital Forensics Part 1 - Lecture**
Sgt. Dave McSweeney, Massachusetts State Police, Norfolk DA's Office
- 11:15 AM – 12:45 PM **Intro to Cyber Crime and Digital Forensics Part 2 - Demo**
Sgt. Dave McSweeney, Massachusetts State Police, Norfolk DA's Office
- 1:00 – 2:00 PM **Lunch**
- 2:15 – 3:30 PM **Forensics Hands-On for Prosecutors Part 1**
David Papargiris, Director, Digital Forensic Services, Evidox
Christopher Kelly, Director, Digital Evidence Lab, Massachusetts Attorney General's Office
- 3:45 – 5:00 PM **Forensics Hands-On for Prosecutors Part 2**
David Papargiris, Director, Digital Forensic Services, Evidox
Christopher Kelly, Director, Digital Evidence Lab, Massachusetts Attorney General's Office

Day 2 - Page 6

- 8:30 – 9:40 AM **Securing Cloud Data**
Abigail Abraham Assistant General Counsel, AOL
- 9:50 – 11:00 AM **Search and Seizure for Digital Evidence**
Susan Axelrod, Assistant District Attorney, New York County DA's Office
- 11:10 AM – 12:20 PM **Charging Decisions and Pre-Trial Considerations**
Howard Wise, Senior Deputy District Attorney, Ventura County DA's Office
- 12:30 – 1:30 PM **Lunch**
- 1:45 – 3:00 PM **Authenticating Digital Evidence**
Marty Purselley, Assistant District Attorney, Tarrant County Criminal DA's Office
- 3:15 – 4:30 PM **Exhibit Creation and Witness Preparation**
Anne Yas, Assistant District Attorney, Norfolk DA's Office
Coleen Crawford, Multimedia Director, Norfolk DA's Office

Day 3 - Page 7

- 8:30 – 9:40 AM **Hot Topics in Cyber Crime Law - Panel Discussion**
Frank M. Gaziano, Justice, Massachusetts Superior Court
Abigail Abraham, Assistant General Counsel, AOL
Susan Axelrod, Assistant District Attorney, New York County DA's Office
Marty Purselley, Assistant District Attorney, Tarrant County Criminal DA's Office, TX
Howard Wise, Senior Deputy District Attorney, Ventura County DA's Office, CA
Anne Yas, Assistant District Attorney, Norfolk DA's Office, MA
- 9:50 – 11:00 AM **Trial Demonstration - Live Direct and Cross Examination of a Digital Forensic Expert**
Mock Trial Participants
- 11:10 AM – 12:20 PM **Trial Demonstration - Live Direct and Cross Examination of a Digital Forensic Expert**
Mock Trial Participants

Lab Agenda

DAY 1

Session 1

- NW3C - Secure Techniques for Onsite Preview (STOP) - Part 1 of 4 Page: 11 Room: 107
- NW3C - Global Positioning Satellite Investigations (GPSI) - Part 1 of 4 Page: 11 Room: 108
- Google For Investigators Page: 11 Room: 115

Session 2

- NW3C - Secure Techniques for Onsite Preview (STOP) - Part 2 of 4 Page: 11 Room: 107
- NW3C - Global Positioning Satellite Investigations (GPSI) - Part 2 of 4 Page: 11 Room: 108
- Google For Investigators Page: 11 Room: 115

Session 3

- NW3C - Secure Techniques for Onsite Preview (STOP) - Part 3 of 4 Page: 11 Room: 107
- NW3C - Global Positioning Satellite Investigations (GPSI) - Part 3 of 4 Page: 11 Room: 108
- Mobiles Logical and Physical Data - Paraben Lab Page: 12 Room: 115

Session 4

- NW3C - Secure Techniques for Onsite Preview (STOP) - Part 4 of 4 Page: 11 Room: 107
- NW3C - Global Positioning Satellite Investigations (GPSI) - Part 4 of 4 Page: 11 Room: 108
- Mobiles Logical and Physical Data - Paraben Lab Page: 12 Room: 115
- Social Network Investigations Page: 12 Room: 116

DAY 2

Session 5

- NW3C - Wireless Network Investigations - Part 1 of 5 Page: 13 Room: 107
- NW3C - Basic Cell Phone Investigations - Part 1 of 5 Page: 13 Room: 108
- osTriage Page: 13 Room: 115
- Windows Client Forensics - Part 1 of 3 Page: 13 Room: 116

Session 6

- NW3C - Wireless Network Investigations - Part 2 of 5 Page: 13 Room: 107
- NW3C - Basic Cell Phone Investigations - Part 2 of 5 Page: 13 Room: 108
- osTriage Page: 14 Room: 115
- Windows Client Forensics - Part 2 of 3 Page: 13 Room: 116

Session 7

- NW3C - Wireless Network Investigations - Part 3 of 5 Page: 13 Room: 107
- NW3C - Basic Cell Phone Investigations - Part 3 of 5 Page: 13 Room: 108
- Digging Deeper - Smoking Guns in the Windows Registry Page: 15 Room: 115
- Windows Client Forensics - Part 3 of 3 Page: 13 Room: 116

Session 8

- NW3C - Wireless Network Investigations - Part 4 of 5 Page: 13 Room: 107
- NW3C - Basic Cell Phone Investigations - Part 4 of 5 Page: 13 Room: 108
- Live Acquisition - Part 1 of 2 Page: 14 Room: 115

Session 9

- NW3C - Wireless Network Investigations - Part 5 of 5 Page: 13 Room: 107
- NW3C - Basic Cell Phone Investigations - Part 5 of 5 Page: 13 Room: 108
- Live Acquisition - Part 2 of 2 Page: 14 Room: 115

DAY 3

Session 10

- Mobile Phone Seizure Certification - Part 1 of 3 Page: 16 Room: 105
- NW3C - Introduction to iDevice Forensics Page: 15 Room: 107
- NW3C - Game Device Artifacts Page: 15 Room: 108
- Techniques for Finding Hidden Malware Page: 16 Room: 115
- Microsoft: Office Metadata - Part 1 of 3 Page: 15 Room: 116

Session 11

- Mobile Phone Seizure Certification - Part 2 of 3 Page: 16 Room: 105
- NW3C - Macintosh Imaging Basics Page: 16 Room: 107
- NW3C - Demo - PerpHound Page: 16 Room: 108
- Documenting Online Evidence for Court Using Free Software - Part 1 of 2 Page: 16 Room: 115
- Microsoft: Office Metadata - Part 2 of 3 Page: 15 Room: 116

Session 12

- Mobile Phone Seizure Certification - Part 3 of 3 Page: 16 Room: 105
- Forensic Analysis with ProDiscover Page: 16 Room: 108
- Documenting Online Evidence for Court Using Free Software - Part 2 of 2 Page: 16 Room: 115
- Microsoft: Office Metadata - Part 3 of 3 Page: 15 Room: 116

Day 1 Lecture Agenda

Session 1 - 10:00 AM - 11:15 AM

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|--|----------|-----------|
| • Digital Crime Scene Processing - Part 1 - Basic Digital Evidence Seizure | Page: 17 | Room: 101 |
| • New Techniques in Digital Investigations - Part 1 | Page: 17 | Room: 102 |
| • Automating Triage of Acquired Images | Page: 17 | Room: 103 |
| • Malware Research, Trends, and Victimology | Page: 18 | Room: 104 |
| • Mac OS X Forensics | Page: 18 | Room: 105 |
| • Intro to Malware | Page: 18 | Room: 116 |

Session 2 - 11:30 AM - 12:45 PM

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|--|----------|-----------|
| • Digital Crime Scene Processing - Part 2 - Network Environments | Page: 19 | Room: 101 |
| • New Techniques in Digital Investigations - Part 2 | Page: 19 | Room: 102 |
| • Recent Cyber Crime Legal Decisions | Page: 19 | Room: 103 |
| • My Experiences Training MacGyvers | Page: 20 | Room: 104 |
| • iOS Forensics and Top Five Artifacts | Page: 20 | Room: 105 |
| • Microsoft's Takedown of the Bamital Botnet | Page: 20 | Room: 116 |

Lunch - Featured Speaker 1:00 PM - 2:00 PM

Special Agent Eric Zimmerman, FBI - Tiffany Ballroom

Session 3 - 2:15 PM - 3:30 PM

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|--|----------|-----------|
| • Digital Crime Scene Processing - Part 3 - Live System Triage | Page: 21 | Room: 101 |
| • Estimation of Victim Age in Child Porn & Child Sexual Exploit. Invest. | Page: 21 | Room: 102 |
| • Search Warrants for Data in the Cloud | Page: 21 | Room: 103 |
| • Social Network Investigations | Page: 22 | Room: 104 |
| • iOS Forensics and Top Five Artifacts | Page: 22 | Room: 105 |
| • Forensics Tools | Page: 22 | Room: 116 |

Session 4 - 3:45 PM - 5:00 PM

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|---|----------|-----------|
| • Digital Crime Scene Processing - Part 4 - Mobile Device Seizure | Page: 23 | Room: 101 |
| • Cloud Forensics and its Many Challenges | Page: 23 | Room: 102 |
| • X-Ways | Page: 23 | Room: 103 |
| • Open Source Hardware and Virtual Cloud Environment | Page: 24 | Room: 104 |
| • Remote Mobile Forensics From the Operational and Legal Perspectives | Page: 24 | Room: 105 |
| • Cyber Components of Human Trafficking Cases | Page: 24 | Room: 116 |

Product Demo - 5:15 PM - 5:45 PM

"Automating Triage of Acquired Images" by Harlan Carvey, Chief Forensics Scientist, Applied Security - Tiffany Ballroom

Networking Session with Demo 6:00 PM - 8:00 PM

Hosted by Cellebrite - Zachariah's

Day 2 Lecture Agenda

Product Demo 7:45 AM - 8:15 PM

"Remote Mobile Forensics: A Demonstration" by Absolute Software - Tiffany Ballroom

Session 5 - 8:30 AM - 9:40 AM

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|--|----------|-----------|
| • CyberTips and ICAC Resources | Page: 25 | Room: 101 |
| • Finding Unknown Malware | Page: 25 | Room: 102 |
| • Registry Analysis | Page: 25 | Room: 103 |
| • Best Practices for Successful Mobile Device Extraction | Page: 26 | Room: 104 |
| • Search Warrants for Data in the Cloud | Page: 26 | Room: 105 |
| • Forensics Testimony Boot Camp | Page: 26 | Room: 112 |

Session 6 - 9:50 AM - 11:00 AM

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| • Tactical Review of Mobile Data-Field vs. Lab | Page: 27 | Room: 101 |
| • Finding Unknown Malware | Page: 27 | Room: 102 |
| • Smoking Guns in the Windows Registry | Page: 27 | Room: 103 |
| • Live Acquisition | Page: 28 | Room: 104 |
| • Computer Evidence Search and Seizure | Page: 28 | Room: 105 |
| • Forensics Testimony Boot Camp | Page: 28 | Room: 112 |

Session 7 - 11:10 AM - 12:20 PM

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|---|----------|-----------|
| • Big Data & Large Media Seizures – A Case for Triage | Page: 29 | Room: 101 |
| • Open Source Forensics | Page: 29 | Room: 102 |
| • Digital Evidence - A View from the Bench | Page: 29 | Room: 103 |
| • Infrastructure Security Using Technology | Page: 30 | Room: 104 |
| • Remote Mobile Forensics From the Operational and Legal Perspectives | Page: 30 | Room: 105 |
| • Forensics Testimony Boot Camp | Page: 30 | Room: 112 |

Lunch - Featured Speaker 12:30 PM - 1:30 PM - Tiffany Ballroom

Dr. Sujeet Sheno, University of Tulsa - Why Are Critical Infrastructure Assets So Easy To Attack?

Session 8 - 1:45 PM - 3:00 PM

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| • Info. Sharing Tech As It Relates to Crim. Invest. & Crim. Intelligence | Page: 31 | Room: 101 |
| • Remote Digital Forensics | Page: 31 | Room: 102 |
| • Real Time Tracking - The State of the Law | Page: 31 | Room: 103 |
| • Imaging with TD3 | Page: 32 | Room: 104 |
| • Tracing IP Addresses | Page: 32 | Room: 105 |
| • Forensics Testimony Boot Camp | Page: 32 | Room: 112 |
| • Advertising Fraud - A Business Model at Risk | Page: 32 | Room: 116 |

Session 9 - 3:15 PM - 4:30 PM

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|---|----------|-----------|
| • Use of the Internet By Terrorists | Page: 33 | Room: 101 |
| • Open Source Forensics | Page: 33 | Room: 102 |
| • Cyber Aspects to Financial Cases | Page: 33 | Room: 103 |
| • Volume Shadow Copy Forensics | Page: 33 | Room: 104 |
| • Best Practices When Recovering Video Evidence | Page: 34 | Room: 105 |
| • Forensics Testimony Boot Camp | Page: 34 | Room: 112 |
| • Anti-Forensics | Page: 34 | Room: 116 |

Networking Session with Presentation 4:45 PM - 6:30 PM

Hosted by Massachusetts Digital Evidence Consortium - Tiffany Ballroom & Exhibitor Hall

Day 2 Lectures

Day 3 Lectures

Speaker Bios

Exhibitors

Day 3 Lecture Agenda

Product Demo - 7:45 AM - 8:15 PM

“X 1 Social Discovery” by NW3C - Tiffany Ballroom

Session 10 - 8:30 AM - 9:40 AM

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|---|----------|-----------|
| • New Techniques in Digital Investigations - Part 1 | Page: 35 | Room: 101 |
| • Documenting Online Evidence for Court Using Free Software | Page: 35 | Room: 102 |
| • Recent Cyber Crime Legal Decisions | Page: 36 | Room: 103 |
| • Remote Mobile Forensics From the Operational and Legal Perspectives | Page: 36 | Room: 104 |

Session 11 - 9:50 AM - 11:00 AM

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| • New Techniques in Digital Investigations - Part 2 | Page: 37 | Room: 101 |
| • Interview and Interrogation | Page: 37 | Room: 102 |
| • Computer Evidence Search and Seizure | Page: 38 | Room: 103 |
| • Writing an Expert Digital Forensic Report - Part 1 | Page: 38 | Room: 104 |

Session 12 - 11:10 AM - 12:20 PM

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|---|----------|-----------|
| • Smartphone Drill-Down: OS Extraction, Decoding & Analysis | Page: 39 | Room: 101 |
| • Interview and Interrogation | Page: 39 | Room: 102 |
| • Courtroom Testimony - Tips and Preparation | Page: 40 | Room: 103 |
| • Writing an Expert Digital Forensic Report - Part 2 | Page: 40 | Room: 104 |

Lunch - Featured Speaker 12:30 PM - 1:30 PM

Department of Homeland Security - Operation Holitna - Tiffany Ballroom