ISS World Middle East & Africa

Intelligence Support Systems for Electronic Surveillance, Social Media/DarkNet Monitoring and Cyber Crime Investigations

9-11 March 2020 • JW Marriott • Dubai, UAE

Where Law Enforcement, Government Intelligence Agencies and Financial Crime Investigators turn for Technical Training and Product Selection

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97 LEA/Interior/DoD Training Sessions and Courses to Choose From
**ISS WORLD MIDDLE EAST AND AFRICA 2020 AGENDA**

**Advanced Hi-Tech Cyber Investigation Training Seminars Led by former Law Enforcement Officers and Ph.D Computer Scientists**

30 classroom training hours, presented by former Law Enforcement Officers and Ph.D. Scientists

- **Charles Cohen**, Cohen Training & Consulting, LLC, also holds the position of Captain, Office of Intelligence & Investigative Technologies, Indiana State Police, USA (6 classroom hours)
- **Mark Bentley**, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police (7 classroom hours)
- **Michael Loughnane**, CAMS, CFE, Loughnane Associates, LLC and retired 27-year US Federal Law Enforcement Officer (5 classroom hours)
- **Jerry Lucas** (Ph.D., Physics), President, TeleStrategies (3 classroom hours)
- **Matthew Lucas** (Ph.D., Computer Science), Vice President, TeleStrategies (3 classroom hours)
- **Vladimir Vesely** (Ph.D., Computer Science) Researcher, Brno University of Technology (3 classroom hours)
- **Andrew Lewman**, VP, DarkOWL and Former Executive Director, The TOR Project (3 classroom hours)

**Monday, 9 March 2020**

**SEMINAR #1**

**9:00-17:00**

**Online Social Media and Internet Investigations**

- Presented by: **Charles Cohen**, Cohen Training & Consulting, LLC, also holds the position of Captain, Office of Intelligence & Investigative Technologies, Indiana State Police, USA

**9:00-10:00**

**Proxies, VPNs, and Dark Web: Identity Concealment and Location Obfuscation**

**10:15-11:15**

**Tor, onion routers, Deepnet, and Darknet: An Investigator’s Perspective**

**11:30-12:30**

**Tor, onion routers, Deepnet, and Darknet: A Deep Dive for Criminal Investigators**

**13:30-14:30**

**Cellular Handset Geolocation: Investigative Opportunities and Personal Security Risks**

**14:45-15:45**

**Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox (Part 1)**

**16:00-17:00**

**Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox (Part 2)**

**SEMINAR #2**

**9:00-17:00**

**Practitioners Guide to Internet Investigations**

- Presented by: **Mark Bentley**, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

The aim of this 1-day seminar is to take the attendee from the basics of understanding the Internet, how to find data, through to a full understanding of best practice of an Internet investigator, building their OSINT toolbox, and having awareness and knowledge of all the tools available to achieve this. It is aimed primarily at the investigator, delivered from the perspective of detective, to empower them to have the best methodology and tradecraft to profile and catch suspects.

This is exclusively Law Enforcement only, as Practical examples, covert and investigative methodology and tradecraft will be given throughout the seminar.

**9:00-10:00**

**The Internet, and how suspects leave a Digital Footprint. How the system works for us, as investigators**

**10:15-11:15**

**Recognizing Traffic Data and digital profiling via social networks and devices - digital shadows**

**11:30-12:30**

**WIFI, geolocation, and Mobile Data traces and tracking**

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To Review Complete Agenda or To Register, Go To [WWW.ISSWORLDTRAINING.COM](http://WWW.ISSWORLDTRAINING.COM)
This session is a technical introduction to 5G; New Radio, Massive MIMO and IMSI encryption and lawful Intercept challenges facing law enforcement and 5G telecom operators.

**SEMINAR #6**

11:30-12:30
**Understanding 5G Network Core (NFV, SDN, EDGE Computing and Network Slicing) for Law Enforcement Investigators**

- Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

This session presents the challenges telecom operators and law enforcement face with the transition from a 4G/LTE to a 5G Core.

**SEMINAR #7**

13:30-14:30
**Cybercurrency 101: What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis**

- Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

This 101-training seminar is an introduction to Bitcoin, how the system is used to support criminal activities (e.g. Dark Web) and why technical investigators need to understand the basic Bitcoin transaction mechanism (Blockchain) to successfully defeat 21st century criminals and terrorist actions. Specifically, this introduction to Bitcoin for technical investigators.

**SEMINAR #8**

14:45-15:45
**Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations**

- Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

TOR networks are notoriously effective at hiding the online identity of criminals, terrorists and others who are up to no good. The other side that receives less attention are TOR hidden services. These are services that leverage TOR's anonymizing capabilities to mask the identity of criminally-hosted online services—forming the basis of just about all illegal gambling sites, drug markets, child exploitation material, firearm sales, terrorism propaganda, and more.
### Monday, 9 March 2020

**SSL/TLS Interception Workshop**
- Vladimír Veselý (Ph.D., Computer Science, Researcher), Brno University of Technology

**16:00-17:00**
Real World Interpretation of 5G LI requirements and implications for Carriers and LEAs
- Presented by SS8

### Tuesday, 10 March 2020

**9:00-10:00**
**SESSION A**
Lawful Interception and Communication Data, Current & Future Challenges: Mobile, Cyber Security, Virtualization and AI - An industry view
- Alex Leadbeater, 3GPP SA3-LI and ETSI TC Cyber Chairman and Head of Global Obligations Future and Standards, BT Security

**9:00-10:00**
**SESSION B**
Intercepting mobile communication for target deep monitoring
- Presented by MEMENTO LABS

**9:00-10:00**
**SESSION C**
How to face the challenge of exponential data growth?
- Presented by Sinovatio

**13:00-14:00**
**SESSION A**
WHO, WHAT, WHERE, and WHEN? Using VASTech's Big Data Monitoring Analytics to answer these key questions.
- Presented by VASTech

**13:00-14:00**
**SESSION B**
Digital Toolbox: the investigator’s best friend
- Presented by AREA

**14:30-15:30**
Protecting core networks against SS7 protocols vulnerabilities
- Presented by Applicata

### Wednesday, 11 March 2020

**12:30-13:30**
**WORKSHOP**
Workshop on Evidence Collection and Analysis of Webpages
- Vladimír Veselý (Ph.D., Computer Science, Researcher), Brno University of Technology

### Track 2

**LEA, Defense and Intelligence Analyst Product Demonstrations**
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.
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<th>Track 3</th>
<th>Social Network Monitoring and Cyber Threat Detection Training</th>
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<td>Monday, 9 March 2020</td>
<td>10:15-11:15 SESSION A</td>
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<tr>
<td>Innovative and secure cross domain security solutions: business cases</td>
<td>Presented by GSN</td>
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<td>10:15-11:15 SESSION B</td>
<td>Cyber Threats; How to achieve the highest data accuracy, gain the most granular visibility, and overcome encryption challenges</td>
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<td>Presented by Indafoto</td>
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<td>11:30-12:30</td>
<td>Autonomous Counter Terrorism using OSINT</td>
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<tr>
<td>13:30-14:30 SESSION A</td>
<td>Massive Social Media data collection and analysis for Counter-Terrorism Intelligence Activities</td>
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<td>Presented by IPS</td>
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<tr>
<td>13:30-14:30 SESSION B</td>
<td>Cyber Intelligence in Our Increasingly Privacy &amp; Security Conscious Environment</td>
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<td>14:45-15:45 SESSION A</td>
<td>It is not only Exploits</td>
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<td>14:45-15:45 SESSION B</td>
<td>INTEGRA Big Data platform for social media and cyber investigations</td>
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<td>16:00-17:00</td>
<td>Open Source Intelligence Monitoring for Social Media</td>
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| Monday, 10 March 2020 | 9:00-10:00 |
| The next generation of Profiling utilizing OSINT | Presented by Indafoto |
| 13:00-14:00 SESSION A | Trovicor’s best kept secret – The whole truth about the Intelligence Platform |
| Presented by Trovicor |

| Monday, 9 March 2020 | 14:30-15:30 SESSION A |
| Web Intelligence 4.0: Infusing Face Recognition, Image Analytics and Artificial Intelligence into a WEBINT platform | Presented by CWA Technologies |
| 14:30-15:30 SESSION B | One way appliance |
| The only way to secure Top Secret networks | Presented by GSN |
| 16:00-17:00 | Multimedia Monitoring and Forensics Laboratory |
| Presented by Everis |

| Wednesday, 11 March 2020 | 8:30-9:30 |
| Mobile storage protection: a complete solution for High Security Systems | Presented by GSN |
| 10:30-11:30 | Automatic Exploitation of Social Network, Deep and Dark Web to complement traditional Lawful Interception Infrastructure for Target Profiling |
| Presented by IPS |
| 12:30-13:30 | Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations |
| Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police |

| Track 4 | Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction |
| This track is open to all attendees |

| Monday, 9 March 2020 | 13:30-14:30 |
| Cybercurrency 101: Introduction to What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis | Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies |
| 14:45-15:45 | Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations |
| Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies |

| Track 5 | Artificial Intelligence and Facial Recognition, Threat Detection Training |
| This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees. |

| Wednesday, 11 March 2020 | 10:30-11:30 |
| Breaking Darknets Through Theory and Fundamentals | Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project |
| 12:00-13:00 | Future Directions of Darknets, Investigations and Infrastructure |
| Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project |

| Track 6 | 5G Lawful Intercept and Forensics Training |
| This track is open to all attendees |

| Monday, 9 March 2020 | 10:15-11:15 |
| Understanding 5G Infrastructure and Lawful Intercept Challenges for Technical Investigators | Presented by TeleStrategies |
| Dr. Jerry Lucas, President, TeleStrategies |
11:30-12:30  Understanding 5G Network Core (NFV, SDN, EDGE Computing and Network Slicing) for Law Enforcement Investigators
- Dr. Matthew Lucas (Ph.D, Computer Science), Vice President, TeleStrategies

14:45-15:45  What is 5G – Technology Overview
- Presented by EXFO Homeland Security

16:00-17:00  Real World Interpretation of 5G LI requirements and implications for Carriers and LEAs
- Presented by SS8

Tuesday, 10 March 2020

9:00-10:00  Lawful Interception in 5G Mobile Networks
- Presented by Utimaco

13:00-14:00  Mobile Radio Analysis Solutions with 5G for Government
- Presented by Rohde&Schwarz

13:30-14:30  Presenting use cases of VASTech’s intelligence analysis capabilities that enables intelligence agencies to identify, track, and expose persons of interest.
- Presented by Vastech

14:45-15:45  SCPC/VSAT interception in CiC/CuC scenarios
- Presented by Rohde&Schwarz

Wednesday, 11 March 2020

10:30-11:30  Changing needs for LEAs with 5G, Location and Encryption
- Presented by SS8

Mobile Signal Intercept and Electronic Surveillance Training
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Monday, 9 March 2020

9:00-10:00  Understanding Mobile 2G/3G/4G Infrastructure and Lawful Intercept for Technical Investigators
- Dr. Jerry Lucas, President, TeleStrategies

10:15-11:15  Detect, intercept IP traffic and locate satellite VSAT terminals
- Presented by Kratos

11:30-12:30  Latest techniques of detecting IMSI catchers and Wi-Fi monitoring systems
- Presented by NeoSoft

Tuesday, 10 March 2020

9:00-10:00  Strategic intelligence to follow trends and reveal hidden targets
- Presented by Advanced Systems

13:00-14:00  SESSION A
Cellular Intelligence in Action. Real use cases solved by combining mobile location and traffic data from cellular networks
- Presented by Mobilairis

13:00-14:00  SESSION B
Know WHEN, WHERE, WHOM and WHY: The best practical mobile signal intercept analysis system. - DeepInsight LIVE DEMO
- Presented by Sinovatio

14:30-15:30  Presenting use cases of VASTech’s intelligence analysis capabilities that enables intelligence agencies to identify, track, and expose persons of interest.
- Presented by Vastech

14:45-15:45  SCPC/VSAT interception in CiC/CuC scenarios
- Presented by Rohde&Schwarz

Law Enforcement/DHS/IC/DoD Registration*
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ISS World Conference (Tracks 1, 4 & 6), Pre-Conference Seminars and Exhibits $995
Registration after 7 February 2020 $1,295

*Note: To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, 4 and 7 you must be a sworn law enforcement officer or military/intelligence/government employee. Also you must register by 9 March 2019 in order to verify eligibility. Government photo ID required for Tracks 2, 3, 5, and 7 classroom access.
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