

ISSWorld® North America

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

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ISS World North America is the world's largest gathering of North American Law Enforcement, Homeland Security, Defense, Public Safety and other members of the Government Intelligence Community as well as Telecom Operators responsible for cyber threat intelligence gathering, DarkNet monitoring, lawful interception and cybercrime investigations.

ISS World Programs present the methodologies and tools for Law Enforcement, Public Safety and Government Intelligence Communities in the fight against drug trafficking, cyber money laundering, human trafficking, terrorism and other criminal activities conducted over today's Telecommunications networks, the Internet and Social Networks.

Track 1

Lawful Interception and Hi-Tech Criminal Investigation Training

Track 2

Social Network Monitoring, OSINT and Cyberthreat Detection Training

Track 3

Investigating Dark Webs and Associated Cybercurrency Transactions

Track 4

Artificial Intelligence and Big Data Analytics Training

Track 5

4G, 5G and Wi-Fi Intercept, Tracking and Forensics Training

ISS World North America Exhibit Hours

Thursday, September 6, 2018:
10:00 AM-6:00 PM

Friday, September 7, 2018:
9:30 AM-12:00 PM

Track 6

Technology Surveillance Countermeasures (TSCM) Training

Track 7

Body Worn Cameras, Facial Recognition and Live Video Analytics Training

Track 8

Financial Crime Investigation and Prevention

Track 9

5G Applications for Law Enforcement, Public Safety and Homeland Security

Track 10

Understanding Artificial Intelligence and 5G Technology Synergies with IoT

ISS World North America 2019 Agenda

Special Training Seminars (34 Classroom Hours)

Led by Law Enforcement Officers and Ph.D Computer Scientists

Online Social Media and Internet Investigations (6 Classroom Hours)

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

Practitioners Guide to Internet Investigations (6 Classroom Hours)

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

Understanding Mobile 2G, 3G, 4G and 5G Infrastructure, Intercept and Cryptography (3 Classroom Hours)

- Presented by: **Dr. Jerry Lucas**, President, **TeleStrategies**

Understanding Cryptocurrency 101, DarkNet (TOR and TOR HS) and Defeating Encryption for Technical Investigators (3 Classroom Hours)

- Presented by: **Matthew Lucas** (Ph.D., Computer Science, VP, **TeleStrategies**)

Understanding Cryptocurrency 101, DarkNet (TOR and TOR HS) and Defeating Encryption for Technical Investigators (3 Classroom Hours)

- Presented by: **Matthew Lucas** (Ph.D., Computer Science, VP, **TeleStrategies**)

A Real World Look at Investigations in the Dark Web (6 Classroom Hours)

- Presented by: **Todd G. Shipley**, CFE, CFCE, President and CEO of **Vere Software**, Co-Author of Investigating Internet Crimes: An Introduction to Solving Crimes in Cyberspace and retired Investigate, **Reno NV, Police Department**

Concerns and Considerations in Financial Crime Investigations (5 Classroom Hours)

- Presented by: **Michael Loughnane**, CAMS, CFE, **Loughnane Associates, LLC** Mike is a former US Federal Law Enforcement Officer

Special Half Day DarkNet Seminar (3 Classroom Hours)

- by **Andrew Lewman**, Vice President, **DarkOWL** and Former Executive Director, The TOR Project

Understanding "Defeating Encryption" with Quantum Computing for Non-Engineers (One Classroom Hour)

- Presented by: **Jerry Lucas**, (Ph.D, Physics) President, **TeleStrategies**

Introduction to TSCM and Modern Threats (6 Classroom Hours)

- Presented by: **Roger Werries**, Training Instructor at **Research Electronics International (REI)** Training Center for TSCM

Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations (One Classroom Hour)

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

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Thursday, September 5, 2019

Welcome Remarks

8:15-8:30

- Tatiana Lucas, ISS World Program Director, TeleStrategies

8:30-9:00

Top Ten Challenges Facing Law Enforcement and the Intelligence Community and Who at ISS World North America has Solutions

- Dr. Jerry Lucas, President, TeleStrategies

Track 1

Lawful Interception and Hi-Tech Criminal Investigation Training

Wednesday, September 4, 2019

9:00-10:00 AM

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

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

10:15-11:15 AM

Recognizing Traffic Data and digital profiling via social networks and devices – digital shadows

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

1:30-2:30 PM

Utilizing AI-Powered Web Intelligence for Deep Web intricate Investigation

- Presented by Cobwebs Technologies

2:45:3:45 PM

Internet Records Intelligence: Collection, Storage, Disclosure & Analysis

- Presented by Yaana

2:45-3:45 PM

Advanced Techniques in Tracing Suspects, a lateral problem solving

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

4:00-5:00 PM

Defeating Network Encryption: What Law Enforcement and The Intelligence Community Needs to Understand

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

Thursday, September 5, 2019

9:00-10:00 AM

Digital Toolbaox: the investigator's best friend

- Presented by AREA

11:30-12:30 PM

Monitoring Encrypted Traffic

- Presenter to be Announced

1:30-2:30 PM

Encrypt or not – every IP-packet tells a story

- Mark Uldahl, CTO, XCI A/S

Friday, September 6, 2019

10:30-11:30 AM

Utilizing AI-Powered Web Intelligence for Deep Web intricate Investigations

- Presented by Cobwebs Technologies

12:00-1:00 PM

Understanding “Defeating Encryption” with Quantum Computing for Non-Engineers

- Jerry Lucas, (Ph.D, Physics) President, TeleStrategies

Track 2

Social Network Monitoring, OSINT and Cyber Threat Detection Training

Wednesday, September 4, 2019

10:15-11:15 AM

Recognizing Traffic Data and digital profiling via social networks and devices – digital shadows

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

1:30-2:30 PM

Global terror butterfly effect: Social network and real time threat analysis of lone wolves terrorism

- Presented by Cobwebs

2:45-5:00 PM

Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox

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

4:00-5:00 PM

Open Source Tools, resources and techniques – A walk through my free law enforcement open source tools site

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

Thursday, September 5, 2019

11:30-12:30 PM

Combating Threats with Advanced AI-Driven Technologies - Leveraging open source data to anticipate and prevent future attacks

- Presented by Voyager Labs

Friday, September 6, 2019

8:30-9:30 AM

Global terror butterfly effect: Social network and real time threat analysis of lone wolves terrorism

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Combating Threats with Advanced AI-Driven Technologies - Leveraging open source data to anticipate and prevent future attacks

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Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations

- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

Track 3

Investigating Dark Webs and Associated Cybercurrency Transactions

Wednesday, September 4, 2019

9:00-5:00 PM

A Real World Look at Investigations in the Dark Web (6 Classroom Hours)

The course will cover the following topics:

- The Darknet/Dark Web, what it is and what it is not
- To Tor or not to Tor
- CryptoCurrency and its use in the Darknet
- Going Undercover on the Darknet
- Exploring the other Darknets
- Using web bugs and other technology to locate a suspect
- Advanced Darknet/Dark Web Investigations, identifying the anonymous user

- Presented by: Todd G. Shipley CFE, CFCE, President and CEO of **Vere Software**, Co-Author of, Investigating Internet Crimes: An Introduction to Solving Crimes in Cyberspace and retired investigator, **Reno NV, Police Department**

9:00-10:00 AM

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

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

10:15-11:15 AM

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

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

11:30-12:30 PM

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

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

1:30-2:30 PM

Awareness of Emerging Technologies, Masking Tech and Tools, TOR and proxies

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

1:30-2:30 PM

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**

2:45-3:45 PM

Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations

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

3:45-4:45 PM

Fighting the Opioid Epidemic: Dark Web & Social Networks Investigation

- Presented by **Cobwebs Technologies**

Thursday, September 5, 2019

1:30-2:30 PM

Fighting the Opioid Epidemic: Dark Web & Social Networks Investigation

- Presented by **Cobwebs Technologies**

2:45-3:45 PM

When law enforcement hack; identifying darknet suspects

- Presented by **Searchlight Security**

Friday, September 6, 2019

Special Half Day Dark Net Seminars

- By Andrew Lewman, Vice President, **DarkOWL** and Former Executive Director, **The TOR Project**

8:30-9:30 AM

Indexing the dark net - how do you catalog and search something that is not meant to be easily scrubbed? What's possible?

10:30-11:30 AM

Case studies / examples in dark net investigations - de-anonymizing examples / approaches / best practices / lessons learned.

12:00-1:00 PM

Future directions - what's next in dark net infrastructure, dark markets and investigation implication

10:30-11:30 AM

Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era

- Presented by **AREA**

Track 4

Artificial Intelligence and Big Data Analytics Training

Thursday, September 5, 2019

9:00-10:00

Utilizing AI-Powered Web Intelligence for Deep Web intricate Investigations

- Presented by **Cobwebs Technologies**

1:30-2:30 PM

AI based Translation Solutions to Enable Actionable Intelligence

- Presented by **SDL**

2:45-3:45 PM

AI Based Translation Solutions to Enable Actionable Intelligence

- Presented by **VoyagerLabs**

4:00-4:30 PM

Guess who is using THAT App in your country. Metadata as IP Intelligence

- Presented by **AREA**

Friday, September 6, 2019

8:30-9:30

Transforming Investigations & Risk Assessment with Artificial Intelligence

- Presented by **VoyagerLabs**

10:30-11:30 PM

Utilizing AI-Powered Web Intelligence for Deep Web intricate Investigations

- Presented by **Cobwebs Technologies**

12:00-1:00 PM

AI based Translation Solutions to Enable Actionable Intelligence

- Presented by **SDL**

Track 5

4G, 5G and Wi-Fi Intercept, Tracking and Forensics Training

Wednesday, September 4, 2019

9:00-10:00 AM

Understanding Mobile 2G/3G/4G Infrastructure and Law Intercept for Technical Investigations

- Dr. Jerry Lucas, President, **TeleStrategies**

10:15-11:15

Understanding 5G Infrastructure, New Radio and Lawful Intercept Challenges for Technical Investigators

- Dr. Jerry Lucas, President, **TeleStrategies**

11:30-12:30 PM

Understanding 5G NFV, Network Slicing and Edge Computing for Law Enforcement Investigators

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

11:30-12:30 PM

WiFi, geolocation, and Mobile Data traces and tracking

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

11:30-12:30 PM

WiFi, geolocation, and Mobile Data traces and tracking

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

11:30-12:30 PM

EXIF Tags and Geolocation of Devices for Investigations and Operational Security

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

1:30-2:30 PM

Cellular Handset Geolocation: Investigative Opportunities and Personal Security Risks

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

2:45-3:45 PM

Case Studies in Metadata Vulnerabilities Exploitation and Facial Recognition

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

Thursday, September 5, 2019

1:30-2:30 PM

5G: Keep Calm & Carry on with LI

- Presented by **Yaana**

2:45-3:45 PM

Practical and creative example of modifying Android OS by HEX editing system files and hacking regular applications to achieve surveillance, (NEW PRODUCT RELEASE AT STAND)

- Denis Cuculić, CEO ex. Head of Technical Department, **PRO4SEC**

Track 6

Technology Surveillance Countermeasures (TSCM) Training

Wednesday, September 4, 2019

9:00-5:00 PM

Introduction to TSCM and Modern Eavesdropping Threats

- Presented by: Roger Werries, Training Instructor at **Research Electronics International (REI)** Training Center for TSCM

9:00-10:00

Introduction to TSCM Investigations

10:15-11:15

Introduction to Radio Frequency Threats and Detection

11:30-12:30 PM

Radio Frequency Threats and Detection, continued

1:30-2:30 PM

Introduction to Telephony

2:45-3:45 PM

Telephony Threats and Detection

4:00-5:00 PM

Technical threats and physical Search Techniques and Equipment

Thursday, September 5, 2019

9:00-10:00 AM

Interrogating the Wi-Fi Environment: A demo of The ORIUS® WiFi HUNTER

- J.D. LeaSure, CEO, **COMSEC LLC**

1:30-2:30 PM

“Hands on Demo” of Safescreen: A touch Screen Stress Analyzer used as a Screening and Vetting System Tool

- Art Morgan, CEO, **S.E.G.**

Track 7

Body Worn Cameras, Facial Recognition and Video Analytics

Thursday, September 5, 2019

9:00-10:00 AM

On-Demand Live Video, or Stored Video?

- Fred Poole, **TVU Networks**

1:30-2:30 PM

Best Practices for Deploying Police Body Worn Cameras Panel

- Captain Charles Cohen, **Indiana State Police**
- Commander Ralph Ennis, **DC Metropolitan Police Department**
- Additional Police Officers to be Announced

2:45-3:45 PM

Best Practices for Deploying a Facial Recognition Program Panel

- Captain Charles Cohen, **Indiana State Police**
- Lieutenant Dori Koren, **Las Vegas Metropolitan Police**
- Ben Bawden, Principal, **Brooks Bawden, LLC**
- Hoan Ton-That, CTO, **Clearview AI**

4:00-5:00 PM

How Intelligence + Image Recognition Can Save a Risk-Prone World

- Hoan Ton-That, CTO, **Clearview AI**

Track 8

Financial Crime Investigation and Prevention

Thursday, September 5, 2019

9:00-5:00 PM

Concerns and Considerations in Financial Crime Investigations

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and Mike is a former US Federal Law Enforcement Officer

9:00-10:00 AM

Criminal Essentials: The Needs of a Criminal Network

11:30-12:30 PM

Financial Crime Schemes in Money Laundering

1:30-2:30 PM

The Essentials of Trade Based Money Laundering

3:00-4:00 PM

How Does Money Actually Move?

4:15-5:00 PM

Follow the Money Beyond the Banks

Friday, September 6, 2019

8:30-9:30

Partnerships to Positive Action (Banking Secrets Revealed)

- Steve Gurdak, CAMS, Group Supervisor,
Washington Baltimore HIDTA, Northern
Virginia Financial Initiative (NVFI) (invited)

10:30-11:30

Putting it Together: The Value of The Professional Analyst

- Robert C. Bacon, 42 Infantry Division
Headquarters First Sergeant, New York
National Guard and New York Police
Department Narcotics Drug Division
(invited)

Track 9

5G Applications for Law Enforcement, Public Safety and Homeland Security

Thursday, September 5, 2019

2:45-3:45 PM

5G Communications Advantages for 1st Responders and DoD IoT/Sensor Networking

- Bill Mills, Vice President of Application
Development, THORAD

Additional Track 9 Sessions to be Announced

Track 10

Understanding Artificial Intelligence and 5G Technology Synergies with IoT

Thursday, September 5, 2019

9:00 - 10:00 AM

Understanding 5G NFV, Network Slicing and Edge Computing Synergies with IoT Applications

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

11:30 - 12:30 PM

Understanding Artificial Intelligence Technology and Synergies with IoT Applications

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

Additional Track 10 Sessions to be Announced

ISS World North America Exhibit Hours

Thursday, September 6, 2018:

10:00 AM-6:00 PM

Friday, September 7, 2018:

9:30 AM-12:00 PM

Registration Information *Save \$300 by registering before August 1, 2019*

Law Enforcement/DHS/IC/DoD Registration*

ISS World Conference Tracks, Training Tracks 1 through 10
Pre-Conference Seminars plus Exhibits.....\$995
Registration after August 1, 2019.....\$1,295

Telecommunications Service Provider or Enterprise Registration*

ISS World Conference Tracks Except Tracks 2, 3, 4 & 5
Pre-Conference Seminars plus Exhibits.....\$995
Registration after August 1, 2019.....\$1,295

Vendor Registration*

ISS World Conference Tracks Except Tracks 2, 3, 4 & 5
Pre-Conference Seminars and Exhibits\$995
Registration after August 1, 2019\$1,295

**Note: To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, 4 and 5 you must be a sworn law enforcement officer or military/intelligence/government employee. Also you must register by September 1, 2019 in order to verify eligibility. Government photo ID required for Tracks 2, 3, 4 & 5 classroom access.*

Free Colleague Registration: Register as paid and you can invite a colleague to join you at ISS World Americas with a full, free conference pass. If you have not identified your guest at this time, just enter "guest of" followed by your name and complete with your contact information. You can register your guest at no charge at a later time.

Conference and Exhibitions: The conference and exhibits will be held at the JW Marriott North Bethesda Hotel, Bethesda, MD in suburban Washington, DC. The DC Metro has a stop adjacent to the hotel. Phone: 1-301-822-9200

International Attendees: If you need Visa assistance to attend ISS World, please contact Tatiana Lucas at talucas@telestrategies.com

Conference by Invitation Only: To attend ISS World you must be law enforcement, other government employee, private enterprise security/investigative personnel, telecom operator or an ISS vendor with LI, electronic surveillance, social media monitoring or analytics products. If you have questions e-mail Tatiana Lucas, ISS World Director at talucas@telestrategies.com

Registration

Phone: 1-703-734-7050

Fax: 1-703-734-9371

Online: www.telestrategies.com

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