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ISSWorld® *North America*

Intelligence Support Systems for Electronic Surveillance, Social Media/Dark Web Monitoring and Cyber Threat Detection

SEPTEMBER 21-23, 2021 • WASHINGTON, DC

Artificial Intelligence Investigations

5G/IoT Intercept & Forensics

BWC & Video Analytics

Automated OSINT Collection

Social Network Monitoring

Dark Web Monitoring

Where Law Enforcement, Public Safety, Telecoms and the Intelligence Community turn for Technical Training and Product Selection

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ISSWorld *North America*

SEPTEMBER 21-23, 2021 • WASHINGTON, DC

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
Hi-Tech Criminal Investigation Classroom Training

Track 2
Lawful Intercept and Hi-Tech Investigation Product Training

Track 3
Social Network Monitoring, OSINT and Cyberthreat Detection Training

Track 4
Investigating Dark Web and Associated Cryptocurrency Transactions

ISS World America Exhibit Hours

Wednesday, September 22, 2021
10:00 AM-6:00 PM

Thursday, September 23, 2021
9:30 AM-12:30 PM

Track 5
Artificial Intelligence and Analysis of Unstructured Data

Track 6
4G/5G/WiFi Signal Intercept and Electronic Surveillance

Track 7
Financial Crime Investigations and Prevention

ISS World North America 2021 Agenda
Special Training Seminars (30 Classroom Hours)

- Led by Law Enforcement Officers and Ph.D Computer Scientists

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Tuesday, September 21, 2021

Online Social Media and Internet Investigations (6 Classroom Hours)

- Presented by: Charles Cohen, Vice President at **NW3C, the National White Collar Crime Center**, Professor in Practice Criminal Justice, **Indiana University** and Retired Captain, **Indiana State Police**

Practitioners Guide to Internet Investigationss (6 Classroom Hours)

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

Overview of the Seven Fundamental ISS Technologies and Products Presented in Conference Training Tracks 1 thru 8 (1 Classroom Hours)

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

Understanding Basic Cryptography Used in Encrypted Third Party Services, Bitcoin/ Blockchain, TOR, DarkNets and 2G/3G/4G/5G Cellular Services (1 Classroom Hours)

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

Understanding 2G/3G/4G/5G Infrastructure for Lawful Intercept (1 Classroom Hours)

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

Understanding 5G Network Core (NFV, SDN, EDGE Computing and Network Slicing) for Law Enforcement Investigators (1 Classroom Hours)

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

Understanding Advanced Techniques to Defeat (or Work Around) Encrypted Third Party Services, Bitcoin Anonymity, TOR/HS and iPhone Encryption (1 Classroom Hours)

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

Locating and Tracking Devices by MAC Addresses and app-based SDKs: Limitations and Emerging OS-based Privacy Measures (e.g., Apple/Google) (1 Classroom Hours)

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

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

- Presented by: Todd G. Shipley, CFE, CFCE, and Co-Author of Investigating Internet Crimes: An Introduction to Solving Crimes in Cyberspace and Retired Investigator, **Reno NV, Police Department**

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ISSWorld *North America*

Intelligence Support Systems for Electronic Surveillance, Social Media/ Dark Web Monitoring and Cyber Threat Detection

SEPTEMBER 21-23, 2021 • WASHINGTON, DC

The Pursuit of Financial Crime (5 Classroom Hours)

- Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC**. Mike is a former **Director of Special Operations with the US Environmental Protection Agency, Office of the Inspector General**. He has over 40 years of experience as a US federal investigator and later as an instructor in the intelligence community in financial crime investigations and counter terror finance.

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**

Wednesday, September 22, 2021

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

Hi-Tech Criminal Investigations Classroom Training

Track 1 sessions open to all conference attendees

Tuesday, September 21, 2021
Online Social Media and Internet Investigations

- Presented by: Charles Cohen, Vice President at **NW3C, the National White Collar Crime Center**,

Professor in Practice Criminal Justice, **Indiana University** and Retired Captain, **Indiana State Police**

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)

10:15-11:15
Understanding Basic Cryptography Used in Encrypted Third Party Services, Bitcoin/ Blockchain, TOR, DarkNets and 2G/3G/4G/5G Cellular Services

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

2:45-3:45
Understanding Advanced Techniques to Defeat (or Work Around) Encrypted Third Party Services, Bitcoin Anonymity, TOR/HS and iPhone Encryption

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

4:00-5:00
L cating and Tracking Devices by MAC Addresses and app-based SDKs: Limitations and Emerging OS-based Privacy Measures (e.g., Apple/Google)

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

Wednesday, September 22, 2021

9:00-10:00
Cutting Edge of Criminal Trade Craft

- Steven D. DeBrota, VP and Chief Counsel, NW3G and Retired Criminal Prosecurtor, **US Attorney's Office for the Southern District of Indiana**

11:30-12:30
Protecting Mobile Networks and Infrastructure from External Threat Actors

- Presented by **AdaptiveMobile Security**

Track 2

Lawful Interception and Hi-Tech Criminal Investigation Product Training

* Note: Sessions in this track are only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Wednesday, September 22, 2021

9:00-10:00
The investigator toolbox: from Electronic Surveillance to Cyber Intelligence

- Presented by **AREA**

9:00-10:00
Vehicle Forensics and Intelligence

- Presented by **Toka**

11:30-12:30
Oxygen Forensic Detective Product Training

- Presented by **Oxygen Forensics**

1:30-2:30 SESSION A

Introducing a new all-in-one frontend A/V solution within critical evidence collection

• Brian Lawrence, **DTC**

1:30-2:30 SESSION B

New methods and enforcement tools designed specifically for regulatory agencies

• Presented by **Utimaco**

3:00-4:00 SESSION A

Reducing Noise in Intelligence Monitoring

• Presented by **Resecurity**

3:00-4:00 SESSION B

WhatsApp, Telegram, Facebook... how IPS helps you to locate most wanted targets with LI

• Presented by **IPS**

Thursday, September 23, 2021

10:30-11:30

Title to be Announced

• Presented by **Cognyte**

Track 3

Social Network Monitoring, OSINT and Cyber Threat Detection Training

* Note: Sessions in this track are only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, September 21, 2021

Practitioners Guide to Internet Investigations b (6 Classroom Hours)

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

• This is exclusively Law Enforcement services 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

13:30-14:30

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

14:45-15:45

Advanced Techniques in Tracing Suspects, and lateral problem solving

• 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

16:00-17:00

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

Wednesday, September 22, 2021

9:00-10:00 SESSION A

The Role of Monitoring Deep Web Platforms in Public Safety Protection Programs

• Presented by **Cobwebs Technologies**

9:00-10:00 SESSION B

Fleeing from Facebook: Discord, Gab and Emerging Platforms

• Presented by **Fivecast**

11:30-12:30

How to quantify the child exploitation problem on the Dark Web

• Presented by **SearchLight**

3:00-4:00

A light in the darkness of Encrypted Communications

• Presented by **AREA**

4:15-5:00 SESSION A

OSINT and Hybrid warfare (with a pandemic special)

• Presented by **Hensoldt**

4:15-5:00 SESSION B

Using real-world tools and techniques to investigate and disrupt Child Exploitation offender networks on the Dark Web

• Presented by **SearchLight**

Thursday, September 23, 2021

8:30-9:30 SESSION A

Global Signalling Threat Analysis and Insights for Cyber Intelligence

• Presented by **AdaptiveMobile Security**

8:30-9:30 SESSION B

CLOS-INT. Closed Source Intelligence form Web2.0 sources

• Presented by **AREA**

8:30-9:30 SESSION C

Countering Domestic Extremism with adaptive OSINT tools & techniques

• Presented by Chris Poulter, Founder & CEO, **OSINT Combine**

10:30-11:30 SESSION A

"Secure IT instead of IT security - trust is good, verification is better"

• Presented by **Hensoldt**

10:30-11:30 SESSION B

Automatic Exploitation of Social Network, Deep and Dark Web to complement traditional Lawful Interception Infrastructure for Target Profiling

• Presented by **IPS**

12:00-1:00

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

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

12:00-1:00

Ransom-wave Aware

• Presented by **Hold Security, LLC**

12:00-1:00 SESSION C

Complex Supply Chain investigations to identify risk using open-source intelligence (OSINT)

• Presented by Chris Poulter, Founder & CEO, **OSINT Combine**

Investigating Dark Web and Associated Cryptocurrency Transactions

* Note: Sessions in this track are only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, September 21, 2021
A Real World Look at Investigations in the Dark Web

- Presented by: Todd G. Shipley CFE, CFCE, and CoAuthor of, Investigating Internet Crimes: An Introduction to Solving Crimes in Cyberspace and retired investigator, **Reno NV, Police Departments**

9:00-10:00 AM
The Dark Web, what it is and what it is not

10:15-11:15 AM
To TOR or not to TOR

11:30-12:30 PM
CryptoCurrency and its use in the Dark Web

1:30-2:30 PM
Going Undercover on the Dark Web

2:45-3:45 PM
Using web bugs and other technology to locate a suspect

4:00-5:00 PM
Advanced Dark Web Investigations, identifying the anonymous use

Wednesday, September 22, 2021

9:00-10:00
Using DarkWeb Information for Active Investigations
- Presented by **Skopenow**

11:30-12:30
How Cryptocurrency Enables Criminals: From Drug Dealers to Terror Financiers
- Presented by **Cobwebs Technologies**

1:30-2:30
Deanonymizing cryptocurrency transactions to fight crime and terror
- Yuval Altman, **Cognyte**

Thursday, September 23, 2021

8:30-9:30
Breaking Dark Web Barriers
- Presented by **Hold Security, LLC**

Artificial Intelligence and Analysis of Unstructured Data Training

Note: Sessions in this track are only open to Government Attendees

Wednesday, September 22, 2021

10:30-11:30
The Multi-Sensor Fusion Platform with Artificial Intelligence for Predictive Analysis, Automatic Alerts and Risk Management to have the Complete Maritime Domain Awareness
- Presented by **IPS**

1:30-2:30
Creating Order from Chaos: Using Automated AI for Social Network Analysiss
- Presented by **Cobwebs Technologies**

3:00-4:00
Supplementing LI with AI: Creating a Hyper-Enabled OSINT Analyst
- Presented by **Fivecast**

4G/5G/WiFi Signal Intercept and Electronic Surveillance

Tuesday, September 21, 2021

11:30-12:30 PM
Understanding 2G/3G/4G/5G Infrastructure for Lawful Intercept
- Dr. Jerry Lucas, President, **TeleStrategies**

1:30-2:30 PM
Understanding 5G NFV, Network Slicing and Edge Computing for Law Enforcement Investigators
- Matthew Lucas (Ph.D., Computer Science), VP, **TeleStrategies**

Wednesday, September 22, 2021

11:30-12:30
Lawful Interception in 5G Mobile Networks
- Presented by **Utimaco**

11:30-12:30
Tactical Intelligence solutions for evolving threats and technologies
- Ran Rahamin, **Cognyte**

1:30-2:30
5G Tactical Solutions and Interoperability
- Presented by **EXFO**

THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES
1:30-2:30
Obtaining Visual Intelligence from IoT devices
- Presented by **Toka Group**

3:00-4:00
Direction Finding into the Future
- Presented by **Syndetix**

4:15-5:00
The investigator toolbox: from Electronic Surveillance to Cyber Intelligence
- Presented by **AREA**

4:15-5:00
Using Mobile Signals to Corroborate WEBINT Investigations
- Presented by **Cobwebs Technologies**

Thursday, September 23, 2021

10:30-11:30
5G Enabled LEMF
- Presented by **AREA**

Financial Crime Investigations and Prevention
Open to all conference attendees

The Pursuit of Financial Crime (5 Classroom Hours)

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC**. Mike is a former Director of Special Operations with the US Environmental Protection Agency, Office of the Inspector General. He has over 40 years of experience as a US federal investigator and later as an instructor in the intelligence community

in financial crime investigations and counter terror finance.

- **Special Guest Speaker: Toni Gillich, Forensic Audits and Investigative Service, General Accounting Office, Office of the Inspector General.** Toni is an expert in investigation and the analysis of illegal activities around the world as well as the response by governments and law enforcement. The United States Congress tasks the GAO with requests to investigate and research, then report on topics critical to promulgating US policy and law.

Each presentation describes the tools and methods criminals and terrorists manipulate financial and business systems as well as the footprints that leave for the financial crimes investigator in their criminal enterprises. Mike will discuss the tools used in criminal networks, the facilitators, in fraud, money laundering and other financial crimes.

This training is applicable to law enforcement, the intelligence community, and the financial and business regulated communities.

Wednesday, September 22, 2021

1:15-2:15 PM
Key Players: The Money Laundering Professional

2:45-3:45
The Beneficial Ownership Challenge

2:45-3:45 PM
Banks, Virtual Assets, and Money Services Businesses

4:15-5:00 PM
Follow the Value: Financial Crime Schemes in Trade Based Money Laundering

Thursday, September 23, 2021

8:30-9:30 AM
Fundamentals in Case Planning

10:30-11:30 AM
Follow the Money

ISS World America Exhibit Hours

Wednesday, September 22, 2021
10:00 AM-6:00 PM

Thursday, September 23, 2021
9:30 AM-12:30 PM

Registration Information *Save $300 by registering before August 12, 2021*

Law Enforcement/DHS/IC/DoD Registration*

ISS World Conference Tracks, Training Tracks 1 through 7

Pre-Conference Seminars plus Exhibits............................$995

Registration after August 12, 2021.....................................$1,295

Telecommunications Service Provider or Enterprise Registration*

ISS World Conference Tracks Except Tracks 2, 3 & 5

Pre-Conference Seminars plus Exhibits............................$995

Registration after August 12, 2021.....................................$1,295

Vendor Registration*

ISS World Conference Tracks Except Tracks 2, 3 & 5

Pre-Conference Seminars and Exhibits $995

Registration after August 12, 2021 ....$1,295

Note: To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, and 5 you must be a sworn law enforcement officer or military/intelligence/government employee. Also you must register by September 17, 2021 in order to verify eligibility. Government photo ID required for Tracks 2, 3 & 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 Sheraton Pentagon City Hotel at 900 South Orme Street, Arlington, VA 22204 in suburban Washington, DC. Phone: 1-703-521-1900.

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

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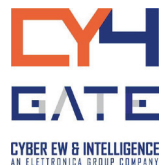## SEPTEMBER 21-23, 2021 • WASHINGTON, DC

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