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# ISSWorld *Latin America*

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

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**ISS World Latin America** is the world's largest gathering of Central and South American Law Enforcement, Intelligence and Homeland Security Analysts as well as Telecom Operators responsible for Hi-Tech Electronic Investigations and Cyber Intelligence Gathering.

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 network and the Internet.

#### Track 1

### Training Seminars by LEAs and Ph.D Computer Scientists

#### Track 2

### Lawful Interception and Hi-Tech Criminal Investigations

#### Track 3

### Social Media Monitoring, Artificial Intelligence and Data Analytics

#### Track 4

### Dark Web Monitoring and Cybercurrency Analytics

#### Track 5

### Mobile and Wi-Fi Signal Intercept

#### Track 6

### Audio, Video and GPS Surveillance

#### Track 7

### Financial Crime Investigation Techniques and Products

## ISS World Latin America 2019 Agenda

### Special Training Seminars (24 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

(2 Classroom Hours)

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

### Understanding Cryptocurrency 101, DarkNet (TOR and TOR HS) and Defeating Encryption for Technical Investigators

(4 Classroom Hours)

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

### 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.

## 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**

(Certificates of ISS Technology Training Available Upon Request)

#### Track 1

### Training Seminars by LEAs and Ph.D Computer Scientists

**Monday, 28 October 2019**

## Seminar #1

**09:00-17:15**

### Online Social Media and Internet Investigations

(6 Classroom Hours)

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

This one day session provides an up-to-date understanding of how social networking sites work and how members act and interact. Attendees will learn what information is available on various sites and how to integrate that information into criminal investigations and criminal intelligence analysis.

## Seminar #2

**9:00-17:15**

### Practitioners Guide to Internet Investigations

(6 Classroom Hours)

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

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The aim of this 1 day seminar is to take the attendees from the basics of understanding the Internet, how to find data, through to a full understanding of best practice of an Internet investigator, 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.

## Seminar #3

16:00-17:00 PM

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

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

The starting point to defeating encryption is to separate techniques addressing stored encrypted data such as with the Apple iPhone issue. The other challenge is defeating encrypted data in transit (e.g. Telegram, Whatsapp, etc.) or Network Encryption. This webinar is about defeating the later.

## Seminar #4

9:00-10:00

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

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

This session presents what technical investigators need to know about 2G/3G/4G technology infrastructure,

Including: Lawful Interception of Voice, Data and Messaging, SIM Card Basics: Information Available (IMSI, Authentication Key, etc.) and Cryptography Algorithms (A3, A5 and A8) and Tracking Targets Using CDR's, SS7 Interconnect and IMSI Catchers and more.

## Seminar #5

10:15-11:15

### Understanding 5G Infrastructure and Lawful Intercept Options for Technical Investigators

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

This session is an introduction to 5G and what technical investigators need to know including: Infrastructure differences with 4G-LTE and 5G, New Radio Access Technologies, and Understanding IMSI Encryption Impact on LI and SUPI and SUCI replacement

## Seminar #6

11:30-12:30

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

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

**Wednesday, 30 October 2019**

## Seminar #7

09:00-17:00 PM

### 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 who specialized in complex fraud and cybercrime

*investigations and currently provides training to improve detection and investigations of fraud, money laundering and counter terror finance.*

In this 1-day seminar we will discuss the tools and methods criminals use and the law enforcement response. Each presentation describes different elements of financial crime and business models used by criminals as well as law enforcement methods and tactics to identify and disrupt them. We will discuss the essentials in criminal networks, key players, money laundering, and trade-based money laundering. We will describe how information can be found as money is moved around the world and how investigators can make best use of this knowledge. This training is aimed primarily at the investigator and analyst, but also has application to the law enforcement, intelligence, and financial regulatory community.

## WELCOME REMARKS & KEYNOTE:

**Tuesday, 29 October 2019**

8:15-8:30

### Opening Remarks

- Tatiana Lucas, ISS World Program Director, **TeleStrategies**

8:30-9:00

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

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



# ISS World Latin America 2019 - Agenda at a Glance

## Track 2

### Lawful Interception and Hi-Tech Criminal Investigations

**Monday, 28 October 2019**

**9:00-10:00**

#### The Internet, and how suspects leave a digital footprint. How the system works for us, as investigators

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

**10:15-11:15**

#### Acquiring targets in the digital sphere – Breaking down crime investigation with ProFound

- Presented by **Digital Clues**

**14:45-15:45**

#### Advanced Techniques in Tracing Suspects, a lateral problem solving

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

**Tuesday, 29 October 2019**

**9:00-10:00**

#### Lawful Interception on 5G Networks

- Presented by **Utimaco TS GmbH**

**9:00-10:00**

#### Voice Biometrics and Speech Analytics deployments in real world scenarios

- Presented by **Phonexia**

**13:00-14:00** **SESSION A**

#### IRENE: remote base station for multichannel audio recording

- Presented by **Innova**

**13:00-14:00** **SESSION B**

#### Internet Records Intelligence: Collection, Storage, Disclosure & Analysis

- Presented by **Yaana**

**14:30-15:30** **SESSION A**

#### Lawful Interception for IOT Environments

- Presented by **Utimaco TS GmbH**

**14:30-15:30** **SESSION B**

#### Geolocations and Platforms CDR

- Presented by **Vanume**

**Wednesday, 30 October 2019**

**8:30-9:30**

#### Live Demo. Cyberoperation: Invisible control of Android smartphones and Google Clouds

- Antonio Ramos, COO, **MOLLITIAM INDUSTRIES**

**10:30-11:30**

#### Internet Records Intelligence: Collection, Storage, Disclosure & Analysis

- Presented by **Yaana**

## Track 3

### Social Media Monitoring, Artificial Intelligence and Data Analytics

**Tuesday, 29 October 2019**

**9:00-10:00**

#### Big content intelligence: the Multimedia Laboratory

- Presented by **Everis**

**13:00-14:00**

#### An inside look into the world of cyber intelligence

- Presented by **Wintego**

**14:30-15:30**

#### The pieces fit: solving the intelligence puzzle with multi source fusion

- Presented by **WebintPro**

**16:00-17:00**

#### Live Demo. Cyberoperation: invisible control of Windows/macOS systems

- Antonio Ramos, COO, **MOLLITIAM INDUSTRIES**

**Wednesday, 30 October 2019**

**8:30-9:30**

#### Information scraps and big data exploitation

- Presented by **Vanume**

**12:00-13:00**

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

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

## Track 4

### Dark Web Monitoring and Cybercurrency Analytics

**Monday, 28 October 2019**

**9:00-10:00**

#### 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**

#### 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**

## **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**

**13:30-14:30**

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

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

**13:30-14:30 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**

**14:45-15:45 PM**

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

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

**Tuesday, 29 October 2019**

**9:00-10:00**

## **Real Investigation: from Telegram to the Darknet and active cyber tools to Tango down the targets.**

- Samuel Alvarez, CEO, **MOLLITIAM INDUSTRIES**

**Track 5**

## **Mobile and Wi-Fi Signal Intercept**

**Monday, 28 October 2019**

**9:00-10:00**

## **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**

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

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

**11:30-12:30**

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

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

**11:30-12:30**

## **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**

**13:45-14:45**

## **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**

**15:00-16:00**

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

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

**16:15-17:15**

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

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

**Tuesday, 29 October 2019**

**9:00-10:00**

## **Empowering Field Intelligence Teams – how Intellexa combines native 3G/4G interception and long range WiFi interception to make field cyber operations more successful than ever**

- Presented by **WiSpear**

**13:00-14:00** **SESSION A**

## **SCPC/VSAT interception in CiC/CuC scenarios**

- Presented by **Rohde&Schwarz**

**13:00-14:00** **SESSION B**

## **Mobile Location Intelligence: how to leverage active targeting, Big Data and tactical geolocation capabilities**

- Presented by **Creativity Software**

**14:30-15:30**

## **Practical and creative example of modifying Android OS by HEX editing system files, and having regular applications to achieve surveillance.**

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

**16:00-17:00 SESSION A****Real-time identification and geo-location in mobile networks: how to identify and get, in real-time, the accurate position of a handset in a mobile network**

- Presented by **Evistel**

**16:00-17:00 SESSION B****Detection of catchers and other attacking devices by IMEI and IMSI**

- Presented by **Guad'do**

**ISS World Latin America Exhibit Hours**

**Tuesday, 29 October 2019:**  
10:00 - 18:00

**Wednesday, 30 October 2019:**  
9:30 - 12:00

**Wednesday, 30 October 2019****10:30-11:30****Use of LoRaWAN in vehicle trackers to defeat GPS and GSM jammers**

- Presented by **Gridsmart**

**Track 6****Audio, Video and GPS Surveillance****Tuesday, 29 October 2019****9:00-10:00****Covert Miniature Surveillance.**

- Presented by **Covidence**

**Track 7****Financial Crime Investigation Techniques and Products****Tuesday, 29 October 2019****13:00-14:00****Special "Best Practices for Financial Crime Investigators"**

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

**14:30-15:30****Criminal Essentials: The Needs of a Criminal Network**

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

**16:00-17:00****Financial Crime Schemes in Money Laundering**

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

**Wednesday, 30 October 2019****8:30-9:30****The Essentials of Trade Based Money Laundering**

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

**10:30-11:30****How Does Money Actually Move?**

- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

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*\*Note: To Attend the LEA/DHS/IC/DoD Training Tracks you must be a sworn law enforcement officer or military/intelligence/government employee. Also you must register by 24 October 2019 in order to verify eligibility. Government photo ID required for Training Tracks classroom access.*

**Free Colleague Registration:**

Register as paid and you can invite a colleague to join you at ISS World Latin America 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.

**International Attendees:**

If you need Visa assistance to attend ISS World, please contact Tatiana Lucas at [talucas@telestrategies.com](mailto:talucas@telestrategies.com)

**Conference by Invitation Only:**

To attend ISS World you must be a Private Enterprise Investigator, government employee, LEA or vendor with LI, surveillance or network products or services. If you have questions e-mail Tatiana Lucas at [talucas@telestrategies.com](mailto:talucas@telestrategies.com).

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RCS supports law enforcement, intelligence and network operators involved in legal telecommunication surveillance. We design, develop and deploy highly scalable, secure and comprehensive systems aimed to assist all stages of investigative activities and to fuse data from heterogeneous sources thus to give a comprehensive view of the investigative scenario and suggest action plans. Our Offer: Target and massive network probing, Cyber Intelligence, Fusion Centre, Network monitoring, Analysis and correlation.



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#### Exhibitors and Sponsors

