

TeleStrategies®

ISSWorld® Middle East & Africa

Register 1
and 2nd FREE

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

9-11 MARCH 2020 • JW MARRIOTT • DUBAI, UAE



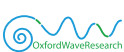
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97 LEA/Interior/DoD Training Sessions and Courses to Choose From

9-11 MARCH 2020 • JW MARRIOTT • DUBAI, UAE

ISS World Middle East and Africa is the world's largest gathering of Regional Law Enforcement, Intelligence and Homeland Security Analysts, Telecoms as well as Financial Crime Investigators responsible for Cyber Crime Investigation, Electronic Surveillance and Intelligence Gathering.

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

Track 1

Lawful Interception and Criminal Investigation Training

Track 2

LEA, Defense and Intelligence Analyst Product Training

Track 3

Social Network Monitoring and Cyber Threat Detection Training

Track 4

Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction

Track 5

Artificial Intelligence and Facial Recognition, Threat Detection Training

Track 6

5G Lawful Intercept and Forensics Training

Track 7

Mobile Signal Intercept and Electronic Surveillance Training

Plus Special Training Seminars lead by Law Enforcement Officers and Ph.D. Scientists

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 attendees 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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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

16:00-17:00

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

SEMINAR #3

9:00-15:45

Concerns and Considerations in Financial Crime Investigations

- 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.

9:00-10:00

Criminal Essentials: The Needs of a Criminal Network

10:15-11:15

Financial Crime Schemes in Money Laundering

11:30-12:30

The Essentials of Trade Based Money Laundering

13:30-14:30

How Does Money Actually Move?

14:45-15:45

Follow the Money Beyond the Banks

SEMINAR #4

9:00-10:00

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

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

This session covers what technical investigators need to know about 2G/3G/4G infrastructure, SIM Cards, Authentication, CDR analysis, SS7, Cellular encryption and more.

SEMINAR #5

10:15-11:15

Understanding 5G Infrastructure and Lawful Intercept Challenges for Technical Investigators

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

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.

SEMINAR #9

9:00-10:00

SSL/TLS Interception Workshop (TLS1.3 edition)

- Vladimir Vesely (Ph.D., Computer Science, Researcher), Jan Pluskal (Researcher), **Brno University of Technology**

The presentation introduces methods for intercepting TLS/SSL connections. The focus is on man-in-the-middle attack employing proxy and other ways how to obtain unencrypted content of the TLS/SSL session.

Wednesday, 11 March 2020

SEMINAR #10

8:30-13:00

Special Half Day DarkNet Seminar

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

8:30-09:15

Breaking Darknets Through Theory and Fundamentals

9:15-10:00

Cases from the Darknet: Technical Walkthroughs

11:30-12:15

Future Directions of Darknets, Investigations and Infrastructure

SEMINAR #11

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**

ISS WORLD MIDDLE EAST AND AFRICA CONFERENCE AGENDA

Tuesday, 10 March 2020

8:15-8:30

Welcoming Remarks

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

8:30-9:00

Top Ten Internet Challenges Facing Law Enforcement and the Government Intelligence Community and Who at ISS World Middle East & Africa has Solutions

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

Track 1

Lawful Interception and Criminal Investigation Training

This track is for Telecom Operators and Law Enforcement/Intelligence/Defense Analysts who are responsible for specifying or developing lawful intercept network infrastructure.

Monday, 9 March 2020

9:00-10:00

SSL/TLS Interception Workshop

- Vladimir Vesely (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.

Presenting use cases of VASTech's intelligence analysis capabilities that enables intelligence agencies to identify, track, and expose persons of interest.

- 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 on Evidence Collection and Analysis of Webpages

- Vladimir Vesely (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.

Monday, 9 March 2020

10:15-11:15

Breaking the 'Holy Grail' - exploiting and implanting iOS devices in 2019

- Presented by **FinFisher**

13:30-14:30 **SESSION A**

Why every packet tells a story

- Presented by **XCI**

13:30-14:30 **SESSION B**

Speaker Identification: Revolution in Accuracy and Speed of Voice Biometrics

- Presented by **Phonexia**

14:45-15:45 **SESSION A**

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**

14:45-15:45 **SESSION B**

Live Demo. Real Cyberoperation, invisible control of Android smartphones and Window/macOS systems

- Presented by **MOLLITIAM CYBERINTELLIGENCE**

16:00-17:00 **SESSION A**

Lawful Interception in VoLTE, VoWiFi and other services

- Rupesh Sangoi, Director, **Zeel Infotech**

16:00-17:00 **SESSION B**

Sharp-end to the Lab: On-Device and Forensic Voice Biometrics and Media Fingerprinting

- Presented by **Oxford Wave**

Tuesday, 10 March 2020

9:00-10:00 **SESSION A**

Next Generation Monitoring Centre for modern communication challenges

- Presented by **ClearTrail**

9:00-10:00 **SESSION B**

Automatic speaker recognition and speech content categorization with Speech-to-Text

- Presented by **ATIS**

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

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

- Presented by **IPS**

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

Live Demo. Real Investigation, from Telegram to the Darknet, and using infection tools to track the targets

- Presented by **MOLLITIAM CYBERINTELLIGENCE**

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

Breaking access controls for forensics and active monitoring. Live Demo.

- Presented by **MEMENTO LABS**

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

Accelerating investigation workflows with specially designed forensic laboratories for the HQ or on wheels out in the field

- Presented by **mh Service**

16:00-17:00 **SESSION A**

Trovicor's best kept secret – The whole truth about the Intelligence Platform

- Presented by **Trovicor**

16:00-17:00 **SESSION B**

Data Retention – powerful investigation on metadata

- Presented by **ATIS**

8:30-9:30 **SESSION C**

Using Limited Investigation Resources More Efficiently with Real-Time Traffic Analytics

- Presented by **Rohde&Schwarz**

10:30-11:30 **SESSION A**

Actionable insights from IP/PCAP data: 20X better & faster

- Presented by **ClearTrail**

10:30-11:30 **SESSION B**

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 **Advanced Systems**

10:30-11:30 **SESSION C**

The Wide Area Network vs. Moore's Law: Generating IP Intelligence at 100G and beyond

- Presented by **NetQuest**

Track 3

Social Network Monitoring and Cyber Threat Detection Training

This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Monday, 9 March 2020

10:15-11:15 **SESSION A**

Innovative and secure cross domain security solutions: business cases

- Presented by GSN

10:15-11:15 **SESSION B**

Cyber Threats; How to achieve the highest data accuracy, gain the most granular visibility, and overcome encryption challenges

- Presented by Sandvine

11:30-12:30

Autonomous Counter Terrorism using OSINT

- Presented by ISnSC

13:30-14:30 **SESSION A**

Massive Social Media data collection and analysis for Counter-Terrorism Intelligence Activities

- Presented by IPS

13:30-14:30 **SESSION B**

Cyber Intelligence in Our Increasingly Privacy & Security Conscious Environment

- Presented by Wintego

14:45-15:45 **SESSION A**

It is not only Exploits

- Presented by FinFisher

14:45-15:45 **SESSION B**

INTEGRA Big Data platform for social media and cyber investigations

- Presented by EULER

16:00-17:00

Open Source Intelligence Monitoring for Social Media

- Presented by Knowlesys

Tuesday, 10 March 2020

9:00-10:00

The next generation of Profiling utilizing OSINT

Building exhaustive catalogue of information (WEB, SOCIAL, TOR, breaches and others)

- Presented by Indafo

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

Trovicor's best kept secret – The whole truth about the Intelligence Platform

- Presented by Trovicor

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

Tuesday, 10 March 2020

9:00-10:00

Profile, target and investigate the Darknet

- Presented by AREA

16:00-17:00

Cryptocurrency Investigation Workshop

- Vladimir Vesely (Ph.D., Computer Science, Researcher), Brno University of Technology

Wednesday, 11 March 2020

8:30-9:30

Breaking Darknets Through Theory and Fundamentals

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

10:30-11:30

Cases from the Darknet: Technical Walkthroughs

- 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 5

Artificial Intelligence and Facial Recognition, Threat Detection Training

This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 10 March 2020

9:00-10:00

Web Intelligence 4.0: Infusing Face Recognition, Image Analytics and Artificial Intelligence into a WEBINT platform

- Presented by CWA Technologies

13:00-14:00

AI based Translation Solutions to Enable Actionable Intelligence

- Presented by SDL

14:40-15:30

Machine Learning capabilities in a Command and Control Center for covert field operations and situation awareness

- Presented by IPS

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

- 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

ISS World Middle East and Africa Exhibit Hours

Tuesday, 10 March 2020
10:00 - 18:00

Wednesday, 11 March 2020
9:30 - 12:30

14:30-15:30

Multi-Access Edge Computing (MEC) and LI

- Presented by Utimaco

Wednesday, 11 March 2020

10:30-11:30

Changing needs for LEAs with 5G, Location and Encryption

- Presented by SS8

Track 7

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

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

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 Mobilaris

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

Registration Information *Save \$300 by registering before 7 February 2020*

Law Enforcement/DHS/IC/DoD Registration*

ISS World Conference Training Tracks 1-7,

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Private Enterprise or TeleCom Operator Registration

ISS World Conference (Tracks 1, 4 & 6),

Conference Seminars and Exhibits.....\$995

Registration after 7 February 2020.....\$1,295

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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 2020 in order to verify eligibility. Government photo ID required for Tracks 2, 3, 5, and 7 classroom access.*

Free Colleague Registration:

Register as paid and you can invite a colleague to join you at ISS World Middle East 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: JW Marriott Marquis Hotel Dubai

To reserve a room go to <http://cwp.marriott.com/dxbae/issworlddubai> or call 971 4 414 0000.

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 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.

Registration

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