

TeleStrategies®

# ISSWorld Europe

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

Register 1  
and 2nd FREE

28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ



## Lead Sponsor



## Associate Lead Sponsors



## Exhibitors and Sponsors



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

28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ

ISS World Europe 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 Defense, 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 Demonstrations

## Track 3

### Social Network Monitoring, Artificial Intelligence and Analytics Product Training

## Track 4

### Threat Intelligence Gathering and Cyber Security Product Training

## Track 5

### Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction

## Track 6

### Mobile Signal Intercept Training and Product Demonstrations

## Track 7

### Electronic Surveillance Training and Product Demonstrations

## ISS World Europe Exhibits Schedule

Wednesday, 29 May 2019  
10:00 - 18:00

Thursday, 30 May 2019  
10:00 - 12:30

## ISS WORLD EUROPE 2019

### Training Seminars Led by Law Enforcement Officers and Ph.D Scientists

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

32 classroom training hours, presented by sworn law enforcement officers, Ph.D. Computer Scientists and nationally recognized cybercrime textbook authors and instructors. Distinguished ISS World Training Instructors Include:

- **Charles Cohen**, Cohen Training and 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 (6 classroom hours)
- **Jerry Lucas** (Ph.D., Physics), President, **TeleStrategies** (4 classroom hours)
- **Matthew Lucas** (Ph.D., Computer Science), VP, **TeleStrategies** (3 classroom hours)
- **Vladimir Vesely** (Ph.D., Computer Science) Researcher, **University of Technology** (3 classroom hours)
- **Andrew Lewman**, VP, **DarkOWL** and Former Executive Director, The TOR Project (3 classroom hours)

## Tuesday, 28 May 2019

### SEMINAR #1

08:30-15:05

#### Online Social Media and Internet Investigations

- Presented by: Charles Cohen, **Cohen Training and Consulting, LLC**

Charles Cohen also holds the position of Captain, Cyber Crimes Investigative Technologies Section, **Indiana State Police, USA**

08:30-09:20

#### The role of Online Social Media OSINT in Predicting and Interdicting Spree Killings: Case Studies and Analysis

09:25-10:15

#### OSINT and Criminal Investigations

10:35-11:25

#### Metadata Exploitation in Criminal Investigations

11:30-12:20

#### EXIF Tags and Geolocation of Devices for Investigations and Operational Security

13:20-14:10

#### Case Studies in Metadata Vulnerability Exploitation and Facial Recognition

14:15-15:05

#### What Investigators Need to Know about Emerging Technologies Used to Hide on the Internet

## SEMINAR #2

08:30-15:05

### 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.

08:30-09:20

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

09:25-10:15

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

10:35-11:25

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

11:30-12:20

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

13:20-14:10

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

14:15-15:05

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

28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ

## SEMINAR #3

08:30-14:10

### 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.

08:30-09:20

### Criminal Essentials: The Needs of a Criminal Network

09:25-10:15

### Financial Crime Schemes in Money Laundering

10:35-11:25

### The Essentials of Trade Based Money Laundering

11:30-12:20

### How Does Money Actually Move?

13:20-14:10

### Follow the Money Beyond the Banks

## SEMINAR #4

08:30-09:20

### 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 and more.

## SEMINAR #5

09:25-10:15

### Understanding 5G Infrastructure, Planned Services, Security Weaknesses and Lawful Intercept Options for Technical Investigators

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

This session is a technical introduction to 5G; New Radio, Massive MIMO, IoT services, SDN, NFV, Network Slicing and Cloud Service Support.

## SEMINAR #6

10:35-11:25

### Understanding Cryptography used in Third Party Encryption Services, Bitcoin, Blockchain, TOR, DarkNets, 2G/3G/4G/5G and WiFi for Technical Investigators

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

This session covers the basics of cryptography:

Private-Public Keys (RSA, DH etc.), Symmetric-Keys, Hashing, Certificates and where they are deployed in Third Party Encrypted Services (Telegram, etc.), Cryptocurrencies and DarkNets.

## SEMINAR #7

11:30-12:20

### Cybercurrency 101: What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis

- Presented by: 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

13:20-14:10

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

- Presented by: 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

14:15-15:05

### Artificial Intelligence Technology: What Law Enforcement Needs to Know

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

Artificial intelligence and machine learning products are beginning to emerge in the law enforcement marketplace. But what exactly can they do, and how can they improve the effectiveness of LE?

## SEMINAR #10

16:30-17:15

### SSL/TLS Interception Workshop

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

The presentation introduces methods for decrypting TLS/SSL connections. The focus is on man-in-middle attack employing TLS/SSL proxy and other ways how to obtain session's private keys. Speakers will demonstrate how to decrypt intercepted traffic using open-source tools like Wireshark and NetFox Detective.

Participants will receive access to test-bed, which consists of real devices (and their traffic) including our 40Gbps interception probe storing TLS/SSL session keys and mirroring traffic on the monitoring interface.

Thursday, 30 May 2019

## SEMINAR #11

08:30-12:15

### Special Half Day DarkNet Seminar

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

08:30-09:15

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

09:15-10:00

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

11:30-12:15

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

This one-hour session will explore the protection of weak points and future proofing banks against cyber-attacks.

## SEMINAR #12

12:15-13:15

### Understanding "Defeating Encryption" with Quantum Computing for Non-Engineers

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

This one hour, session is for cyber security executives and specialists who have the responsibility of assessing the lead time they have before deploying quantum safe cryptography solutions but don't have a technical background. If you believe nation state security agencies are developing quantum computing to decrypt your past and future intercepted transmission sessions, this high-level webinar should be a must attend briefing.

And to do this you need to understand how a quantum computing circuit works when designed for the sole purpose of defeating public key encryption.

## SEMINAR #13

12:15-13:15

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

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



# ISS WORLD EUROPE 2019 CONFERENCE AGENDA

## Wednesday, 29 May 2019

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 Europe 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.

## Tuesday, 28 May 2019

08:30-09:20

### Lawful Interception Challenges of Tomorrow

- Presented by Product Management, **BAE Systems**

15:25-17:20 **SESSION A**

### ETSI/3GPP LI/RD Standards Update

- Alex Leadbeater, 3GPP SA3-LI and ETSI TC Cyber Chairman and Head of Global Obligations Future and Standards, **BT Security**
- Gerald McQuaid, ETSI TC LI Chairman and Special Requirements Advisor, **Vodafone Group**
- Carmine Rizzo, ETSI TC LI Technical Officer and 3GPP SA3LI Secretary, **ETSI**

15:25-16:15 **SESSION B**

### The challenges 5G brings to cellular Security & Surveillance

- Nick Johnson, CTO & Head of PLM, **IP Access**

16:30-17:20 **SESSION B**

### SSL/TLS Interception Workshop

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

## Wednesday, 29 May 2019

09:00-10:00 **SESSION A**

### Current and Future Lawful Interception Challenges: Encryption, Network Function Virtualization, cloud Computing and More

- Alex Leadbeater, 3GPP SA3-LI and ETSI TC Cyber Chairman and Head of Global Obligations Future and Standards, **BT Security**

09:00-09:30 **SESSION B**

### Acquiring targets and new leads in a digital sphere: Breaking Down Jaish e Mohamed's digital trace

- Presented by **Digital Clues**

09:30-10:00 **SESSION B**

### Memento Labs: Hunting in the dark

- Angelo Ferraris, Sales Manager, **Memento Labs**

13:00-13:45

### Lawful interception in 5G Mobile Networks

- Presented by **Utimaco TS GmbH**

13:50-14:35 **SESSION A**

### Bringing #1 Worldwide OEM solutions to market powered by Dell EMC

- Eyal Kaplan & Stephen Lernih, **DELL**

15:40-16:25

### VSAT interception with Carrier-in-Carrier (CiC) separation

- Presented by **Rohde & Schwarz**

16:30-17:15

### Hunting Down Cryptocurrency Users

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

## Thursday, 30 May 2019

08:35-09:15

### Overview of mobile phone monitoring

- Presented by **Rohde & Schwarz**

09:15-10:00

### Navigating the Complexities of Communication Providers and Government Agencies for Legal Requests

- Presented by **Yaana**

12:15-13:00

### Towards Fully Automated Infinitely Scalable and Maximally Effective Password Cracking of Encrypted Documents

- 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.

## Tuesday, 28 May 2019

10:35-11:25

### Cyber Solutions for The Fight Against Crime

- Presented by **FinFisher**

11:30-12:20

### Strategic and Tactical Wi-Fi Surveillance

- Presented by **FinFisher**

13:20-14:10

### Live Demo: Speech to Text and Speaker Identification

- Presented by **ATIS**

14:15-14:40 **SESSION A**

### Deep neural networks double the accuracy of Phonexia Voice Biometrics

- Presented by **Phonexia**

14:15-15:05 **SESSION B**

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

- Presented by **Rohde & Schwarz**

14:15-15:05

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

- Presented by **Phonexia**

15:25-16:15

### Vlatacom Solution for Secure Voice Transmission over Voice Channel in Mobile Voice Transmission Systems

- Presented by **Vlatacom**

## Wednesday, 29 May 2019

09:00-9:30

### Digital Toolbox: the investigator's best friend

- Presented by **AREA**

09:30-10:00

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

- Presented by **AREA**

13:00-13:45 **SESSION A**

### New Cutting-Edge Technologies for Desktop and Mobile Interceptions (Live Demo)

- Alessandro Scarafile, Operations Manager, **Memento Labs**

13:00-13:45 **SESSION B**

### Advanced Tactical Interception and Data Extraction Vectors

- Presented by **Merlinx**

13:50-14:35

### Live Demo: Automating forensic Speaker Recognition for Cyber Crime units

- Presented by **ATIS**

13:50-14:34

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

- Presented by **Yaana**

15:40-16:25 **SESSION A**

### Real-Life practical IT Intelligence Operations

- Presented by **FinFisher**

15:40-16:25 **SESSION B**

### Interactive C4I for police and intelligence agencies

- Presented by **Advanced Systems**

## Thursday, 30 May 2019

09:15-10:00

### Improve Investigation Agility with the Nutanix Enterprise Cloud

- Bryan Zissel, Major Federal Accounts, **Nutanix**
- Don Johnson, Senior Engineer, **Nutanix**

11:30-12:15

### The Global Shift to Mobile Applications & The Intelligence Challenge

- Presented by **Verint**

#### Track 3

### Social Network Monitoring, Artificial Intelligence and Analytics Product Training

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

## Tuesday, 28 May 2019

08:30-09:20

### How to monitor Public Sentiment with a platform able to listen, analyze and react to propaganda campaigns on Social Media

- Presented by **IPS**

09:25-10:15

### The Pieces Fit: solving the intelligence puzzle with Multisource Fusion

- Presented by **WebintPro**

10:35-11:25

### Everyone leaves a trace: How the digital sphere has become the ideal place for target acquisition

- Presented by **Digital Clues**

**10:35-11:25**

**Language Technology Solutions for Big Data Analytics & Intelligence. How to understand your target in any language**

- Presented by **SDL**

**11:30-12:00**

**AI and network analysis to find out SIMbox fraud at national scale**

- Presented by **Suneris**

**12:15-13:15** **SESSION A**

**Lawful Interception in 2019. VoLTE and encrypted services like Facebook, WhatsApp and Telegram. How Social Media Intelligence benefits investigators in a holistic vision**

- Presented by **IPS**

**14:15-14:40** **SESSION A**

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

- Presented by **IPS**

**14:15-15:05** **SESSION B**

**Generate powerful evidence from PCAP, CDR/IPDR and Social Media data, all over a single interface**

- Presented by **ClearTrail Technologies**

**14:40-15:05** **SESSION A**

**Command and Control Center for covert field operations using Audio, Video and GPS feeds**

- Presented by **IPS**

**15:25-16:15**

**Propaganda 4.0: is fake news really so new? A journey through the tools of OSINT**

- Presented by **Gamma Group**

**16:20-17:20**

**Gamma Eye: Combining gadgets with hi-tech. Collect and process intel to help create operational awareness**

- Presented by **Gamma Group**

---

**Wednesday, 29 May 2019**

**09:00-09:30** **SESSION A**

**Enriching Target's Profiles with OSINT data**

- Presented by **Trovicor**

**09:00-10:00** **SESSION B**

**Artificial Intelligence for National Security**

- Udi Levy, CEO, **Cobwebs Technologies**

**09:30-10:00** **SESSION A**

**Money Laundry Use Case: Banking Data Analysis**

- Presented by **Trovicor**

**13:00-13:45** **SESSION A**

**Generating holistic intelligence by blending WEBINT with other data sources**

- Presented by **S2T**

**13:00-13:45** **SESSION B**

**Using AI and Machine Learning Techniques to detect threats and anomalies in mass IP data. A discussion with use cases on sophisticated rule based systems**

- Presented by **Vehere**

**13:00-13:45** **SESSION C**

**Different Intelligence Sources (OSINT, Dark Web, SIGINT, HUMINT) combined under a single analytical platform – Gamma's innovative approach**

- Presented by **Gamma Group**

**13:50-14:35**

**AI-based Language Technology Solutions to Handle Multi-language OSINT & COMINT**

- Emmanuel Tonnelier, Director, Intelligence Solutions, **SYSTRAN**

**13:50-14:35**

**Cellebrite Analytics, Harness the Power of Digital Data**

- Presented by **Cellebrite**

**15:40-16:25**

**Unlocking the full potential of speech technologies to transform OSINT and COMINT**

- Presented by **Vocapia**

**16:30-17:15** **SESSION A**

**IBM products for Social Media Mining and Analysis**

- Presented by **DATERA s.r.o**

**16:30-17:15** **SESSION B**

**Artificial Intelligence for National Security**

- Udi Levy, CEO, **Cobwebs Technologies**

---

**Thursday, 30 May 2019**

**09:00-09:30** **SESSION C**

**Enriching Target's Profiles with OSINT data**

- Presented by **Trovicor**

**09:15-10:00**

**Next Generation Monitoring Center – Discover your suspect unlike ever before**

- Presented by **ClearTrail Technologies**

**12:15-13:15** **SESSION A**

**Lawful Interception in 2019. VoLTE and encrypted services like Facebook, WhatsApp and Telegram. How Social Media Intelligence benefits investigators in a holistic vision**

- Presented by **IPS**

**12:15-13:15** **SESSION B**

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

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

---

#### Track 4

**Threat Intelligence Gathering and Cyber Security Product Training**

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

---

**Tuesday, 28 May 2019**

**10:35-11:25**

**The Matrix Concept – Combining forward-thinking intelligence tools and proven workflows to assemble a coherent intelligence picture (LIVE DEMO)**

- Presented by **Rayzone Group**

**11:30-11:55** **SESSION A**

**Unmasking the Real Identities of Cyber Adversaries**

Employing intelligence methodologies to unmask criminals who use fake online identities and avatars

- Presented by **Verint**

**11:30-12:20** **SESSION B**

**The Power of Place: How Location Intelligence Reveals Opportunity to Identify and Influence The People**

- Presented by **Bler**

**11:55-12:20** **SESSION A**

**Disinformation Warfare**

Online disinformation, its potential impact on global security, and the battle to counter its influence

- Presented by **Verint**

**13:20-14:10**

**Cyber Intelligence in Our Increasingly Privacy & Security Conscious Environment**

- Presented by **Wintego**

**15:25-16:15**

**Data Fusion and Analytics for National Security and Intelligence**

- Presented by **Yaana**

---

**Wednesday, 29 May 2019**

**09:00-10:00**

**Combining Intelligence Disciplines in the Battle Against Evolving Global Terror Threats: Session 1**

**Operate “Under the Radar” with Micro-Tactical Intelligence: Session 2**

- Presented by **Verint**

**15:40-16:25** **SESSION B**

**Router based interception – redefining remote monitoring by infiltrating targeted LAN networks (LIVE DEMO)**

- Presented by **Rayzone Group**

---

**Thursday, 30 May 2019**

**08:30-09:15**

**Worldwide Virtual SIGINT – monitoring digital footprint in order to anticipate and prevent evolving threats (LIVE DEMO)**

- Presented by **Rayzone Group**

---

#### Track 5

**Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction**

This track is for law enforcement and private enterprise investigators who have to monitor and investigate the DarkNet along with Bitcoin transactions associated with criminal activities

---

**Tuesday, 28 May 2019**

**15:25-16:15**

**Offline Darknet web-crawling with the Web-I-Qube**

- Presented by **mh-Service GmbH**

---

**Wednesday, 29 May 2019**

**13:50-14:35**

**Closing the Loop- Combining Apps & Cloud Interception with DarkNet Intelligence**

- Presented by **MAGEN**

**15:40-16:25**

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

- Presented by **AREA**

---

**Thursday, 30 May 2019**

**08:30-09:15**

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

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

09:15-10:00

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

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

09:15-10:00

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

- Presented by **AREA**

11:20-12:15

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

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

12:15-13:00

**The Real Dark Web**

Overview of the Dark Web and the differences between the Dark Web, the Darknet and Anonymous Networks

- Presented by **Verint**

**Track 6**

**Mobile Signal Intercept Product Training and Demonstrations**

This track is for Law Enforcement, Interior Security and the Government Intelligence Community who must work with cellular and mobile satellite operators regarding mobile location, electronic surveillance and RF intercept.

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

**Tuesday, 28 May 2019**

10:35-11:25

**VSAT Networks: Tactical and Strategic Threat Detection and Geolocation**

- Presented by **Kratos**

14:15-15:05

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

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

16:20-17:20

**Distributed IMSI Catching & Private networks**

- Nick Johnson, CTO & Head of PLM, **IP Access**

**Wednesday, 29 May 2019**

09:00-10:00 **SESSION A**

**IMSI Catcher with Public Number Detection. 2G/3G/4G Interception**

- Presented by **NeoSoft**

09:00-10:00 **SESSION B**

**Unleashing the Power of WiFi: end-to-end approach to WiFi Intelligence**

- Presented by **WiSpear**

13:00-13:45 **SESSION A**

**Tactical Wi-Fi Interception – Identify, Acquire, Intercept**

- Presented by **Jenovice**

13:00-13:45 **SESSION B**

**Sharing of best practices from an active deployment of LI in the NFV environment**

- Matt Benford, **BAE Systems**

13:50-14:35 **SESSION A**

**Alpha Max: 3/4G interception and infection vector**

- Presented by **Advanced Systems**

13:50-14:35 **SESSION B**

**Waveguard Technologies Introduces Its Brink Solution: High Accuracy Mobile Identification in Border Control & Checkpoints**

- Presented by **Waveguard**

15:40-16:25

**What is 5G – Technology Overview**

- Presented by **EXFO Homeland Security**

**Thursday, 30 May 2019**

08:30-09:15

**Digital forensic and investigation of WLAN networks – methods, tools and services**

- Presented by **S.E.A. Datentechnik GmbH**

09:15-10:00

**How new technologies, like 5G, change the lawful interception landscape**

- Presented by **Group 2000**

**Track 7**

**Electronic Surveillance Training and Product Demonstrations**

This track is for law enforcement investigators and the government intelligence community who are responsible for deploying video, audio and GPS surveillance products

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

**Tuesday, 28 May 2019**

15:25-16:15

**Discover how a unified platform connected to all MNOS for GSM retrieving and GPS from Beacons**

- Presented by **Deveryware**

**Wednesday, 29 May 2019**

13:00-13:45

**A new intelligent approach for covert video recording and streaming**

- Presented by **Pro4Tech**

15:40-16:25

**Covert Miniature Surveillance.**

- Presented by **Covidence**

**Registration Information** *Save \$300 by registering before 19 April 2019*

**Telecommunications Service Provider or Private Enterprise Registration**

ISS World Conference (Tracks 1 & 5),  
Pre-Conference Seminars and Exhibits .....\$995

Registration after 19 April 2019.....\$1,295

**Law Enforcement/DHS/IC/DoD Registration\***

ISS World Conference Training Tracks 1-7,  
Pre-Conference Seminars plus Exhibits.....\$995

Registration after 19 April 2019.....\$1,295

**Vendor Registration**

ISS World Conference (Tracks 1 & 5),  
Pre-Conference Seminars and Exhibits .....\$995

Registration after 19 April 2019.....\$1,295

*\*Note: To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, 4, 6 & 7 you must be a sworn law enforcement officer or military/intelligence/government employee. Also you must register by 24 May 2019 in order to verify eligibility. Government photo ID required for classroom access.*

**Free Colleague Registration:**

Register as paid and you can invite a colleague to join you at ISS World Europe 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: Clarion Congress Center**

To reserve a room at the early bird rate of 110 EUR (\$127 US) go to [www.issworldtraining.com](http://www.issworldtraining.com) and select ISS World Europe 2019 or call 420 211 131 119 and reference ISS World 2019. Early bird rate expires 27 March 2019.

**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 government employee, LEA, telecom operator 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).

**Registration**

**Phone:** 1-703-734-7050

**Fax:** 1-703-734-9371

**Online:** [www.issworldtraining.com](http://www.issworldtraining.com)



28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ

## Lead Sponsor



NSO group is a global leader in the world of cyber-intelligence, data acquisition, and analysis. Since 2009, NSO group mission has been to equip selected intelligence agencies, militaries, and law enforcement organizations around the world with the strategic, tactical and analytical technology capabilities required to ensure the success of their operations in fighting crime and terrorism. The NSO group portfolio of solutions is developed and maintained by a team of cyber-intelligence and cellular-communication experts who operate at the forefront of their fields. Their designs constantly evolve to keep pace with an ever-changing cyber world. NSO group is committed to the proper use of its technology to help governments strengthen public safety and protect against major security threats. NSO group advanced intelligence solutions are used globally and play a major role in preventing terror activities, combatting human trafficking, and the war on drugs.

## Associate Lead Sponsors

### DIGITAL CLUES

Turning Suspicions into Suspects - The leading platform for target acquisition, Digital Clues has mastered digital intelligence and offers groundbreaking omnichannel intelligence tools and Digital Detective services. Used by intelligence analysts and investigators at the most advanced intelligence agencies, our products enable you to kickstart any investigation with meaningful leads, analyzing them and turning them into actual suspects.



Advanced Systems is a provider in Comint solutions ; Advanced Systems provide lawful interception system for voice and IP. We are specialized in handling very big data streams ( several 100Gbit/s), being able to retrieve any interesting information thanks to our embedded "Analytics Intelligence" and our Intelligent Data Retention System. Advanced Systems can provide also massive passive GSM off the air interception system.



AQSACOM is a global leader in Telecommunications Security Solutions, providing real-time Lawful Interception, Data Retention, Mobility Tracking and Surveillance Solutions. AQSACOM's core business focuses upon end-to end, turnkey systems for fulfilling Lawful Interception requirements and specializes in work involving highly heterogeneous networking and service environments. AQSACOM's diverse customer portfolio includes clients from more than 35 countries spanning 5 continents. Regional offices are located in Paris, Dubai, Hyderabad, Melbourne, Florianopolis, and New York City



AREA, is the Italian leading technology Industry and provider of Unconventional Communication and IP Info-Intelligence solutions. AREA provides an "end to end" Dual Use Info-Intelligence CC forHLS/HLD scenarios; satisfying Government Agencies' need to securely and effectively gather precious information to contrast menaces to Citizen's security and prevent digital attacks.



ATIS systems is a German, private held company offering first-class complete solutions for legal interception, mediation, data retention, and IT forensics. Belonging to the world leaders in technology in this field, we have been developing high performance systems for over 70 years. Clients all over the world have placed their trust in our high-quality standards, our innovative technologies, and our absolute reliability.



BAE Systems help nations, governments and businesses around the world defend themselves against cybercrime, reduce their risk in the connected world, comply with regulation, and transform their operations. We do this using our unique set of solutions, systems, experience and processes - often collecting and analysing huge volumes of data.



BLER develops innovative security and cyber intelligence solutions to identify threats and meet mission-critical operational needs. Our customers include enterprise organizations, financial institutions, LEAS and government agencies. Our intelligence-driven, big data platform collects information from the widest range of sources and used to conduct business intelligence, criminal and terror investigations.



Since entering the mobile forensics space in 2007, customers have deployed more than 60,000 UFED licenses globally in 150 countries, making Cellebrite the market share leader for mobile forensics worldwide. We continually respond to the evolution of digital data and its increasing relevance to a wider range of investigations and operations, including homicides, gangs, drugs, child exploitation and cyber crime.



ClearTrail Technologies is a leading provider of Communication Analytics Solutions that derives intelligence from data unlike ever before. As the threat landscape is changing rapidly, conventional monitoring approaches are getting obsolete and government agencies & enterprises need a new way of monitoring and analysing the communication networks. ClearTrail has come up with path breaking solutions that are designed to analyse even dark communication in massive data sets and connect the dots to create a single view of "Person of Interest". Our solutions are designed to transform the investigation paradigm from reactive to proactive, empowering our clients to perceive emerging threats & reveal the potential suspects behind it.



Cobwebs Technologies is a worldwide leader in web intelligence. Our innovative solutions are tailored to operational needs of national security agencies and the private sector, identifying threats with just one click. Cobwebs provides a leading AI-powered, user-friendly search engine for deep, automated web investigations. Extract critical, intelligent insights with ease and efficiency from numerous internet sources.



OEM

Dell EMC OEM is for the Futuremakers. We help innovators rapidly turn their ideas into market-ready solutions, and take them to the world. By powering your solution with Dell EMC platforms, backed by the strength of our global supply chain, you can innovate faster and scale smarter.



As an expert in real time geolocation, Deveryware supports national security by providing law enforcement and the security services with the geolocation tools they need for undertaking investigations and detecting and preventing threats. Its capacity to innovate and its historic knowledge of the security market are just some of its strengths that have made it a trusted partner, recognized by a number of major players such as the French Interior and Justice Ministries.



Elbit Systems Ltd. is an international high technology company engaged in a wide range of defense, homeland security and commercial programs throughout the world. The Company, which includes Elbit Systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("C4ISR"), unmanned aircraft systems, advanced electro-optics, electro-optic space systems, EW suites, signal intelligence systems, data links and communications systems, radios and cyber-based systems. The Company also focuses on the upgrading of existing platforms, developing new technologies for defense, homeland security and commercial applications and providing a range of support services, including training and simulation systems.



Feedback Italia specializes in designing and developing cyber security solutions and systems. Focusing on developing pioneering audio and video communication solutions from its early establishment, Feedback Italia has been increasingly committed to implement an unprecedented level of communication security. The company R&D department never stops the pursuit for the state-of-the-art encryption technology, to offer devices, software, and services all working together to keep leading global businesses and governments safe and secure.



FinFisher solutions help government law enforcement and intelligence agencies to identify, locate and convict serious criminals. With innovative products, tailor-made solutions and end-to-end services FinFisher closes the gap in traditional investigative methods. Its portfolio allows governments to gain access to protected, offline information and relevant web-based communication channels.



Gamma Group is an international manufacturer of surveillance & monitoring systems with technical and sales offices in Europe, Asia, the Middle East and Africa. We provide advanced technical surveillance, monitoring and Media Mining/OSINT solutions, advanced government training, as well as international consultancy to National and State Intelligence Departments and Law Enforcement Agencies.



IPS is an Italian high-tech company with 30 years' experience in the design and delivery of "turnkey" solutions for Communication Monitoring and Analysis. IPS solutions are specifically designed for Homeland Security Departments and Intelligence Agencies that need to intercept, collect and deep analyze heterogeneous data such as phone calls, Internet traffic, data coming from electronic surveillance devices and third parts databases. The IPS monitoring platforms are used today in around 20 countries in 4 continents: Europe, Latin America, Africa and Asia.

28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ

## Associate Lead Sponsors



JENOVICE was established by the CEO of the company, a former head of intelligence and investigations of a government services. The vision was to provide tactical solutions in the field of Offensive Cyber Security. The VP R&D of the company is an ex special-ops combat soldier with experience in tactical operations and 10 years of experience in IT, software engineering and research.

Our intelligence solution is based on smartphone interception. Today, smartphones are the most valuable source of data. Smartphones are involved in every aspect of people's life. Whatever they do, wherever they go, whoever they speak to, the smartphone knows it all. We also build a full profile of your target by gathering all the pieces of the puzzle from a variety of sources. Intelligence is gathered through one standalone unit aimed at a nearby target.



MEMENTO LABS SRL provides the world's premier offensive technology helping law enforcement stop crime and terrorism. Circumventing universal end-to-end encryption, technology gives government agencies the ability to read and hear communications of suspects and examine the contents of endpoint devices, all without protection systems being able to detect the investigation in progress. The system fulfills LEAs and Security Agencies highest expectations.



Established by a group of elite intelligence and operations professionals, Merlinx has developed groundbreaking intelligence acquisition solutions. Merlinx enables operators to be in the right place at the right time, in order to identify and acquire critical cyber intelligence. Merlinx is a privately held company specializing in tailor-made innovative active cyber intelligence solutions.



NeoSoft is an independent international company providing high quality mobile communication products. NeoSoft specializes in the research, development and production of high-end mobile communication equipment. Our core development team consists of experts who have been working in the field of mobile communications for more than 20 years.



PICSIX LTD. is a designer and manufacturer of interception and counter interception products and solutions. We produce compact passive interception systems that offer the greatest capacity and performance in the market, state of the art active interception systems and unique and sophisticated "Synchronous Transmission" solutions geared to manipulate cellular networks key parameters. In addition we pioneer a line of counter interception equipment designed to detect, locate and sabotage active interception systems in the near vicinity.



Rayzone Group is a developer and provider of cyber and intelligence solutions for intelligence and law enforcement agencies worldwide, based on comprehensive methodology, which provides cutting edge intelligence gathering and analysis capabilities. Rayzone's suite of systems include sophisticated gathering and analysis solutions to some of the most pressing challenges that government agencies face today.



RCS provides highly scalable, secure and comprehensive lawful interception and digital surveillance systems to approved Governments and Agencies enabling them to digitally collect and see a deep and rich intelligence picture of their persons of interest and to visualise their timings, intentions and capabilities. Collection - Decoding - Processing - Correlation - Analysis.



For more than 80 years, Rohde & Schwarz has stood for quality, precision and innovation in all fields of wireless communications. The group relies on its expertise based on 20 years of experience in IT and network security. All Rohde & Schwarz development, sales and service activities focus on the customer.



SIO S.P.A., established in 1992, is the leading Italian developer and supplier of innovative solutions for surveillance and interception with field-proven technology deployed in over 80 locations throughout Italy and globally. SIO has been providing governments with extremely reliable intelligence for decades, with its proprietary INTEGRA solution and tactical capabilities, supporting a wide range of investigative and intelligence needs.



S2T provides big data solutions to support making sense of large volumes of information. Our GoldenSpear solutions enhance the capabilities of organisations and analysts in web and cyber collection, collation, analysis and generating insights and reports. These solutions leverage powerful collection capabilities spanning web sites, social media networks, darknet, and end-user devices and harness big data analytics, machine learning, and powerful visualisation tools.



Septier Communication is a leading provider of operational and intelligence solutions for handling the challenges of the cellular world. Used by some of the world's elite law enforcement and intelligence agencies, as well as defense organizations, Septier's systems provide insight into the world of cellular communication and the cyber environment.



The French company SUNERIS develops monitoring and control solutions for telecom networks. Our systems are used by government entities to comply with telecom regulations and support civil safety missions: people rescue, antiterrorism, border surveillance.... The modularity, reliability and furtivity of our solutions allow to fit your operational needs.



trovicor is a world leader in lawful intelligence technology, providing end-to-end monitoring and intelligence solutions to more than 35 governments across the globe. With 20+ years' experience of collaborating with governments worldwide, trovicor's solutions are a powerful tool proven to help governments protect their citizens against the threat of criminal activity and safeguard national security. With these tools, we help criminal investigators detect traces of criminal activity, identify suspects and transform this intelligence into reliable and accurate evidence to be used in court.



Ultra Information Solutions is a global leading expert in target-centric intelligence. Ultra's innovative technology is capable of identifying a Target's Digital Footprint Directly or via Mass Monitoring based on a single seed and generating unique and valuable insights that offer a critical advantage in an era of globalization, connectivity and anonymity.



Since 1994 Utimaco has been developing lawful interception and data retention systems for telecom operators and Internet service providers. Utimaco's carrier-grade systems enable real-time monitoring and long term data retention in public telecommunication networks. The systems interface with essentially all common network technologies and communications services. Utimaco is the preferred partner of many of the world's leading network equipment manufacturers. With around 300 installations in over 90 countries, Utimaco is a leading global supplier in the Lawful Interception and Data Retention market. Utimaco participates in LI standardization and supports international standardization institutes and telecom associations, such as, ETSI, 3GPP, ANSI/ATIS, GSMA and Bitkom.



Vehera is a global technology company that is transforming Homeland and Cyber Security with its cutting-edge solutions for Data Acquisition & Analysis of Communication originating from and via Satellite, GSM and Fiber Optic Channels. For more than a decade, Vehera's solutions have empowered decision makers in Government Agencies and Defence Establishments with mission-critical insights enabling them to anticipate, apprehend, and stop perpetrators in their tracks. Offices: Washington D.C., Cape Town, Singapore, New Delhi, Kolkata



Verint is a leading global provider of security and intelligence data mining software. We leverage our deep domain expertise to create solutions that prevent and neutralize terror, crime and cyber-attacks. Our broad Intelligence-Powered Security™ portfolio empowers security organizations with crucial insights that enable them to take action against evolving threats.



VLATACOM INSTITUTE is a professional partner for Government security in the following technical fields: Secure information and communication technology, Border control, Applied mathematics and electronics with cryptography features, Intelligent signal processing etc. For past two decades we are among leading Serbian manufacturers and system integrator companies recognized world-wide.



Wintego's core expertise is in developing cyber intelligence solutions for government, law enforcement, military, and intelligence agencies. The company's multi-disciplinary team of highly experienced cyber professionals is focused exclusively on providing advanced cyber solutions that address the needs of the real world, today and in the long term. Over the past years, Wintego's solutions have been deployed by numerous government agencies around the globe.



WiSpear provides end-to-end WiFi surveillance solutions for the intelligence, homeland security and public safety markets. WiSpear's products are based on a disruptive long range, directional, beamforming WiFi technology, and on unique and leading SW applications.



Yaana Technologies is a leading global provider of intelligent Compliance Solutions with accurate data retention, sophisticated security, and unique analytical capabilities. Our solutions offer our customers a cost-effective path to address the complexities related to meeting compliance needs in the rapidly evolving information-communications and cloud markets worldwide.