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

Where Law Enforcement, Government Intelligence Agencies and Financial Crime Investigators turn for Technical Training and Product Selection

4-6 December 2018 • Doubletree Hotel • Kuala Lumpur, MY

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89 LEA/Interior Security/Intel Training Sessions and Courses to Choose From
ISS World Asia is the world's largest gathering of Asian 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.

ISS World Asia 2018 - Agenda at a Glance

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, Indiana State Police (6 classroom hours)
- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police (9 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)
- Erin Brown, Client Training Lead/Investigator, Elliptic (3 classroom hours)

Tuesday, 4 December 2018

Seminar #1

09:00-17:00
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

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.

09:00-10:00
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 PM
Tor, onion routers, Deepnet, and Darknet: A Deep Dive for Criminal Investigators

13:30-14:30 PM
Cellular Handset Geolocation: Investigative Opportunities and Personal Security Risks

14:45-15:45 PM
Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox (Part 1)

16:00-17:00 PM
Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox (Part 2)

Seminar #2

09:00-17:00
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.

09:00-10:00
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 PM
WIFI, geolocation, and Mobile Data traces and tracking

13:30-14:30 PM
Awareness of Emerging Technologies, Masking Tech and Tools, TOR and proxies

14:45-15:45 PM
Advanced Techniques in Tracing Suspects, and lateral problem solving

To Review Complete Agenda or To Register, Go To WWW.ISSWORLDTRAINING.COM
Seminar #3

9:00-12:30
Understanding ISS Technologies and Products Deployed in Telecommunications Networks for Lawful Interception and Mass Surveillance

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

This half-day seminar is for law enforcement and the government intelligence community who must understand the technical basics and telecommunication jargon used to describe ISS products deployed in wireline, IP, mobile and the Internet for lawful interception and mass surveillance.

9:00-10:00
Introduction to Wireline and IP Infrastructure and Related ISS Products for Lawful Interception and Mass Surveillance

10:15-11:15
Understanding Mobile Wireless Infrastructure, and Related ISS Products for Lawful Interception and Mass Surveillance

11:30-12:30
Understanding Internet Infrastructure and Related ISS Products for Mass Intelligence Gathering and Surveillance

Seminar #4

13:30-17:00
Elliptic Bitcoin & Virtual Currencies Half-Day Seminar

- Presented by: Erin Brown, Client Training Lead / Investigator, Elliptic

13:30-14:30
Bitcoin in Practice: Buying, Selling, Sending and Receiving

14:45-15:45
Advanced Bitcoin Concepts and an Introduction to Bitcoin Investigations

16:00-17:00
Case Studies and Emerging Threats in the Criminal Use of Virtual Currencies

Seminar #5

09:00-5:00 PM
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.

09:00-10:00 AM
Criminal Essentials: The Needs of a Criminal Network

11:00-12:00 PM
Financial Crime Schemes in Money Laundering

13:00-14:00 PM
The Essentials of Trade Based Money Laundering

14:30-15:30 PM
How Does Money Actually Move?

16:00-17:00 PM
Follow the Money Beyond the Banks

Seminar #6

14:00-17:45
Special Half Day DarkNet Seminar

- Presented by: Andrew Lewman, Vice President, DarkOWL

14:00-15:00
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What's possible?

15:30-16:30
Case studies / examples in dark net investigations – de-anonymizing examples / approaches / best practices / lessons learned.

16:45-17:45
Future directions - what’s next in dark net infrastructure, dark markets and investigation implications

Seminar #7

09:00-5:00 PM
Blockchain Half-Day Seminar

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

This half-day seminar is for law enforcement and the government intelligence community who must understand the technical basics and telecommunication jargon used to describe ISS products deployed in wireline, IP, mobile and the Internet for lawful interception and mass surveillance.

8:30-13:00
Blockchain Half-Day Seminar

- Presented by: Andrew Lewman, Vice President, DarkOWL

14:00-17:45
Special Half Day DarkNet Seminar

- Presented by: Andrew Lewman, Vice President, DarkOWL

16:00-17:00
Case Studies and Emerging Threats in the Criminal Use of Virtual Currencies

Thursday, 6 December 2018

Seminar #7

8:30-13:00
Blockchain Half-Day Seminar

- Presented by: Roberta Capodieci, Blockchain Zoo

8:30-9:30
What Investigators Need to Know about Blockchain Architectures Supporting Altcoins or Cyber Currencies Other than Bitcoin (e.g. Ethereum, Monero, Litecoin, Dash, Ripple, etc.).

10:30-11:30
What Investigators Need to Know about Blockchain 2.0 & 3.0 Application Developments

12:00-13:00
What Financial Crime Investigators need to Know about Blockchain Investigation Techniques.

Seminar #8

8:30-9:30
Practitioners Guide to Understanding Cyber Attacks on Banks - Exploring Vulnerabilities from The Perspective of The Hacker

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

This one-hour session will explore the viewpoints of both the banks perception of vulnerabilities, and that of the attacker. A follow-up session at 10:30 will address Practitioners Guide to Defending Banks Against Cyber Attacks.

10:30-11:30
Practitioners Guide to Defending Banks Against Cyber Attacks - Identifying and Protecting Vulnerabilities to Frustrate the Thief, and Integrity Proof the Systems

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

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

Tuesday, 4 December 2018
9:00-17:00
Online Social Media and Internet Investigations
- Charles Cohen, Cohen Training and Consulting. LLC  
  Charles Cohen also holds the position of Captain, Indiana State Police
  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.

Wednesday, 5 December 2018
9:00-10:00
Lawful Interception in 5G Mobile Networks
  This session will elaborate the needs and the challenges of lawful interception in current and future wireless networks. Network operators and law enforcement agencies will get practical advice and hear about best practice techniques for the implementation of LI in 5G networks.
  - Presented by Utimaco TS GmbH

9:30-10:00
Interception in 100G networks
  - Presented by Netcope Technologies

11:30-12:30
Legal Monitoring of Internet-of-Things (IOT)
  This presentation gives a quick introduction to IOT technologies and market potential of IOT. It will explore requirements and challenges in regards to legal compliance and attendees will get knowledge about different interception scenarios to cover cloud-based IOT or cellular IOT.
  - Presented by Mark Bentley, Communications

12:00-13:00
Presented by: Mark Bentley, Communications

12:00-12:30
Challenges facing Operators and LEA's: Interception of 10K+ targets on 100G networks and beyond
  Considering advances in access technology that are enabling end users internet access reaching 1Gbps, with network capacity consisting of numerous 100Gbps links, more stringent intercept requirements and increasing numbers of intercept targets, we are discussing the challenges facing users of intercept solutions and network operators that are obliged to implement LIMS solution inside their networks.
  - Vedran Željeznak, Managing Director, Matison

14:00-14:30
Global Forensics Challenges: Extraterritorial, Virtualization & Obfuscation
  - Presented by Yaana Technologies

14:30-15:00
Internet Records Intelligence: Acquisition and Analytics
  - Presented by Yaana Technologies

15:30-16:30
Hushmeeting: creating an iron-clad and quantum-safe communication environment
  Preventing attacks, detecting intruders and collaborating within a backdoor-free and malware-proof communication framework. Real use cases and attacking scenarios
  - Mirko Minuzzo, Feedback Italia

Thursday, 6 December 2018
8:30-9:30
VSAT Interception with Carrier in Carrier (CIC) Separation
  (LEA and Government Attendees Only)
  - Presented by Rohde&Schwarz

9:00-10:00
Digital Toolbox: the investigator’s best friend
  - Presented by AREA

9:00-10:00
Voice data collection, identification and analysis: Hardware and software integration
  - Presented by STC

11:30-12:30
LIVE DEMO: Biometric Voice Recognition System to identify people in phone calls, videos and social media
  - Presented by ATIS

11:30-12:30
Generate powerful evidence from PCAP, CDR/IPDR and Social Media, all from a single interface
  - Jitendra Verma- Director Business Development, ClearTrail Technologies

14:00-15:00
Lawful Interception in 2018.
  VoLTE and encrypted services like Facebook, WhatsApp and Telegram. How Social Media Intelligence benefits investigators in a holistic vision.
  - Presented by IPS

14:00-15:00
Speaker Identification: Revolution in Accuracy and Speed of Voice Biometrics
  How will the new generation of Speaker Identification technology based exclusively on deep neural networks affect the hardware resources’ efficiency, accuracy and speed? Experiences from applications of Speaker Identification and Content Analysis in governmental solutions.
  - Presented by Phonexia

15:30-16:30
L.I. Targeting respecting privacy
  - Presented by AREA

15:30-16:30
Session B
  Challenging the status quo - Investigations in an encrypted world
  - Alexander Müller & Irina Palade, Rohde&Schwarz

Social Network, Web Monitoring and Cyber Threat Analytics Training
Tuesday, 4 December 2018

9:00-17:00
Practitioners Guide to Internet Investigations

- Presented by Andrew Lewman, Vice President, DarkOWL

13:30-14:00 SESSION A
Propaganda 4.0: is fake news really so new? A journey through the tools of OSINT

- Presented by Gamma Group

10:30-11:30 Multi-Source Intelligence Collection & Big Data Analytics

- Presented by Sinovatio

15:30-16:30
Web Intelligence 4.0: Infusing Face Recognition, Image Analytics and Artificial Intelligence into the next generation of WEBINT platforms

Live end-to-end demo of CWA advanced AI-Powered WEBINT platform. The session will include a special announcement and guest co-speaker.

- Presented by CWA

Wednesday, 5 December 2018

9:00-10:00 SESSION A
Tactical Web Intelligence (WEBINT) & Social Engineering: Gathering Actionable Intelligence with a modular WEBINT platform

As Intelligence Agencies demand for advanced actionable intelligence increases, a combined end-to-end modular WEBINT approach is critical to ensure timely operational results. In this session we will discuss the current state of Web Intelligence and how it can be leveraged for monitoring, prevention and investigation. This session will include live product demonstration.

- Presented by CWA

9:00-10:00 SESSION B
Generating holistic intelligence by blending WEBINT with other data sources

- Presented by S2T

11:30-12:30 Intelligence Analysis on Big Data

- Presented by Sinovatio

15:30-16:00
“Different Intelligence Sources (OSINT, Dark Web, SIGINT, HUMINT) combined under a single analytical platform - Gamma’s innovative approach”

- Presented by Gamma Group

14:00-17:45 Special Half Day DarkNet Seminar

- Presented by Andrew Lewman, Vice President, DarkOWL

14:00-15:00
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What’s possible?

- Presented by Andrew Lewman, Vice President, DarkOWL

15:30-16:30
Case studies / examples in dark net investigations – de-anonymizing examples / approaches / best practices / lessons learned.

- Presented by Andrew Lewman, Vice President, DarkOWL

16:45-17:45
Future directions - what’s next in dark net infrastructure, dark markets and investigation implications

- Presented by Andrew Lewman, Vice President, DarkOWL

Thursday, 6 December 2018

8:30-9:30
Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era

- Presented by AREA

Track 4
Dark Web Monitoring and Investigation Training

Wednesday, 5 December 2018

14:00-17:45
Special Half Day DarkNet Seminar

- Presented by Andrew Lewman, Vice President, DarkOWL

14:00-15:00
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What’s possible?

- Presented by Andrew Lewman, Vice President, DarkOWL

15:30-16:30
Case studies / examples in dark net investigations – de-anonymizing examples / approaches / best practices / lessons learned.

- Presented by Andrew Lewman, Vice President, DarkOWL

16:45-17:45
Future directions - what’s next in dark net infrastructure, dark markets and investigation implications

- Presented by Andrew Lewman, Vice President, DarkOWL

Thursday, 6 December 2018
8:30-9:30
Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era

- Presented by AREA

Track 5
Bitcoin, Altcoin and Blockchain Transaction Investigations

Tuesday, 4 December 2018

13:30-14:30
Bitcoin in Practice: Buying, Selling, Sending and Receiving

This is an introductory session to the practical uses of Bitcoin. By the end of this session you should be comfortable with using and interpreting block explorers, methods of purchasing and storing bitcoin, and the basic structure of Bitcoin transactions. This will include a demonstration of Elliptics’ Bitcoin analytics software.

- Erin Brown, Client Training Lead / Investigator, Elliptic

14:45-15:45
Advanced Bitcoin Concepts and an Introduction to Bitcoin Investigations

Assuming an understanding of basic Bitcoin concepts, such as addresses and transactions, this session will cover more advanced topics, such as mixing and address clustering. By the end of this session you should have an understanding of why these concepts are useful, their impact on tracing payments, and how they work in practice. We will also look at the basics of Bitcoin investigations, how to identify evidence, types of investigations, and contacting exchanges to identify Bitcoin users.

- Erin Brown, Client Training Lead / Investigator, Elliptic

16:00-17:00
Case Studies and Emerging Threats In the Criminal Use of Virtual Currencies

- Erin Brown, Client Training Lead / Investigator, Elliptic

Wednesday, 5 December 2018
9:00-10:00
Cracking Bitcoin and Ethereum Wallets for Fun and Profit

- Presented by Criterion Solutions

Thursday, 6 December 2018
8:30-9:30
What Investigators Need to Know about Blockchain Architectures Supporting Altcoins or Cyber Currencies Other than Bitcoin (e.g. Ethereum, Monero, Litecoin, Dash, Ripple, etc.).

- Roberto Capodieci, Blockchain Zoo
Thursday, 6 December 2018
8:30-9:30
Command and Control Center for covert field operations using Audio, Video and GPS feeds.
• Presented by IPS

Track 7
Financial Crime Prevention and Detection Investigation Training

Tuesday, 4 December 2018
9:00-10:00
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
Money Laundry Use Case: Banking Data Analysis

Wednesday, 5 December 2018
9:00-10:00
IMSI Catcher, 2G/3G/4G Interception, New Challenges and Solutions
• Presented by NeoSoft AG

11:30-12:30
Innovative products and integrated solutions for digital forensics
• Matthias Geisler, SIM

14:00-15:00
Providence Group – Training Tactical Cyber Teams as an Effective Fighting Force for the Battleground of the Future
• Presented by Providence

Mobile Signal Intercept and Electronic Surveillance Product Training
Sessions in this track are only open to law enforcement and the government intelligence community and public safety

Free Colleague Registration:
Register as paid and you can invite a colleague to join you at ISS World Asia 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.

Law Enforcement/DHS/IC/DoD Registration*
ISS World Conference (Tracks 1, 4, and 5)
Pre-Conference Seminars and Exhibits............................................$995
Registration after 18 October 2018 ..............................................$1,295

Reference Registration
 ISS World Conference (Tracks 1, 4, and 5)
Pre-Conference Seminars and Exhibits............................................$995
Registration after 18 October 2018 ..............................................$1,295

Note: To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, & 6 you must be a sworn law enforcement officer or military/intelligence/ government employee. Also you must register by 30 November 2018 in order to verify eligibility. Government photo ID required for Tracks 2, 3, & 6 classroom access.
compliance needs in the rapidly evolving information-communications and cloud markets worldwide.

Utimaco supports international standardization institutes and telecom associations, such as ETSI, 3GPP, ANSI/ATIS, GSMA and Bitkom. Utimaco is a leading global supplier in the Lawful Interception and Data Retention market. Utimaco participates in LI standardization and is a 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.

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.

CWA is a world-leader in Passive & Active Web Intelligence (WEBINT) Solutions for government agencies. Powered by Artificial Intelligence capabilities such as NLP, Face Recognition and Image Processing - CWA solutions provide a simple yet sophisticated method to passively collect and analyze data from Social Media, Deep Web and Darknet and actively engage targets via unique Social Engineering tools.

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.

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

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 part databases. The IPS monitoring platforms are used today in around 20 countries in 4 continents: Europe, Latin America, Africa and Asia.

Matison is a subsidiary of Sedam IT Ltd, which is one of the leading ICT companies in Croatia delivering solutions and services to its customers since 2003. Along with the services in the network infrastructure and security domain, Matison product line provides interception of communication services and mediation for telecom intelligence process in widest range of network solutions.


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.

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.

Sinovatio is a leading global network security solutions provider which is founded in 2003. Based on our dedication to customer-centric innovation and strong partnerships, we have established end-to-end capabilities and strengths across the lawful interception, wireless locating, intelligence analysis, digital forensics, video surveillance, intelligent fencing, public opinion mining and other related fields. As excellent network security expert, we are committed to creating maximum value for global consumers by providing competitive network security solutions and services. Our products and solutions have already been deployed in over 20 countries.

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.

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.

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.