

ISSWorld Asia

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

3-5 SEPTEMBER 2024 • SHANGRI-LA HOTEL • SINGAPORE

ADINT / SOCINT Monitoring

Defeating Encryption

Mobile Tracking & Intercept

Dark Web Monitoring

Social Network Monitoring

Cyber Threat Detection

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

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3-5 SEPTEMBER 2024 • SHANGRI-LA HOTEL • SINGAPORE

ISS World Asia 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 Presentations

Track 3

Social Network Monitoring, Artificial Intelligence and Analytics Product Presentations

Track 4

Threat Intelligence Gathering and Cyber Security Product Presentations

Track 5

Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction Presentations

Track 6

Mobile Signal Intercept Product Presentations

Track 7

Electronic Surveillance Training and Product Presentations

Track 8

5G Lawful Intercept, Tracking and Forensics Product Presentations
Plus Special Training Seminars lead by Law Enforcement Officers and Ph.D. Scientists

ISS World Asia 2024 Agenda

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

20 classroom training hours, presented by Law Enforcement Officers and Ph.D. Scientists

- **Charles Cohen**, Vice President at **NW3C**, the **National White Collar Crime Center**, Professor in Practice Criminal Justice, **Indiana University** and Retired Captain, **Indiana State Police** (6 classroom hours)
- **Mark Bentley**, Communications Data Expert, National Cyber Crime Law Enforcement, **UK Police** (7 classroom hours)
- **Jerry Lucas** (Ph.D., Physics), President, **TeleStrategies** (2 classroom hours)
- **Matthew Lucas** (Ph.D., Computer Science), VP, **TeleStrategies** (3 classroom hours)

Tuesday, 3 September 2024

Seminar #1

08:30-17:00

Online Social Media and Internet Investigations

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

08:30-09:15

Proxies and VPNs: Identity Concealment and Location Obfuscation

ISS World Asia Exhibit Hours

Wednesday, 4 September 2024

10:00-18:00

Thursday, 5 September 2024

10:00-13:30

09:30-10:15

Tor, onion routers, Deepnet, and Darknet: An Investigator's Perspective

10:30-11:15

Tor, onion routers, Deepnet, and Darknet: A Deep Dive for Criminal Investigators

11:30-12:15

Cellular Handset Geolocation: Investigative Opportunities and Personal Security Risks

13:15-14:00

Ultra-Wideband Geolocation and Cyber OSINT

14:15-15:00

Collecting Evidence from Online Social Media: Building a Cyber-OSINT Toolbox

Seminar #2

08:30-17:00

The cyber investigators essential toolbox - Practitioners Guide to Internet Investigations

- Presented by: **Mark Bentley**, Communications Data Expert, National Cyber Crime Law Enforcement, **UK Police** (THIS SEMINAR IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

The aim of this 1-day seminar is to take the attendees from the basics of understanding the Internet, how to covertly discover live and deleted data, through to a full understanding of best practice of an Internet investigator, building their OSINT toolbox. 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 military and government only, as Practical examples, covert and investigative methodology and tradecraft will be given throughout the seminar. Free tools in every session. This seminar is not structural or theoretical practices and awareness. Its hands-on practical techniques.

3-5 SEPTEMBER 2024 • SHANGRI-LA HOTEL • SINGAPORE

08:30-09:15

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

09:30-10:15

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

10:30-11:15

WiFi, geolocation, and Mobile Data traces and tracking

11:30-12:15

Exploiting and circumnavigating Masking Tech, (encro's, VPN's, TOR and proxies)

13:15-14:00

Advanced Techniques in Tracing Suspects, and lateral problem solving

14:15-15:00

Open-Source Tools, Part 1. Resources, Tradecraft and Techniques

Before you use the tools you need to know the tools that enable you to be safe and how to hide... Part 2 on Thursday.

Seminar #3

08:30-09:15

Understanding Mobile 2G, 3G, 4G & 5G NSA Infrastructure and Law Intercept for Technical Investigators

• Dr. Jerry Lucas, President, TeleStrategies

This session addresses the infrastructure evolution of 2G to 3G to 4G to 5G NSA and the impact on lawful interception.

Seminar #4

09:30-10:15

Understanding 5G Stand Alone, NFV, Edge Computing and Network Slicing

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

Cellular market analysts collectively have identified 5G services deployed in over 400 cities spread over 30 or so countries. The one common feature of all these operations is that they are providing 5G services with a 4G/5G hybrid network infrastructures or so called non-Stand Alone (NSA) architecture.

This session addresses the transition to 5G stand alone.

Seminar #5

10:30-11:15

Understanding How AI Empowers ISS Products, LEAs and Intelligence Agencies

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

Seminar #6

11:30-12:15

Generative AI (e.g., ChatGPT): Hype vs. Reality and Law Enforcement Friend or Foe

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

Seminar #7

13:15-14:00

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

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

Thursday, 5 September 2024

Seminar #8

11:45-12:30

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

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

(THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

Wednesday, 4 September 2024

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 Asia 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, 3 September 2024

11:30-12:15

Effortlessly Detecting Persons and Topics of Interest in Audio

• Presented by Phonexia

14:15-15:00

Accelerating investigation workflows with specially designed IT — and phone forensic laboratories

• Stefan Heimgaertner, mh Service GmbH

15:15 to 16:00

Using Arabic Script Languages for Online Target Discovery

• Skip Schiphorst, Online Research in Foreign Languages Instructor, i-intelligence GmbH

16:15-17:00

Investigating Targeted Personal Financial Fraud (Pig-butcher), Romance Scams, and Other Financial Scams in Southeast Asia

• Christopher Parrish, U.S. Secret Service

Wednesday, 4 September 2024

15:00-15:40

Accelerate Forensic Voice Analysis with Advanced Speaker Recognition Solution

• Presented by Phonexia

Thursday, 5 September 2024

09:15-10:00

Cost Effective Network Monitoring Architectures

• Presented by HUBER+SUHNER Polatis

11:00-11:40

Understanding the Implications of Online Social Media and OSINT During Critical Incidents

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

Track 2

LEA, Defense and Intelligence Analyst Product Presentations

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

Tuesday, 3 September 2024

08:30-09:15 **SESSION A**

A Complex Use Case

- Presented by AREA

09:30-10:15 **SESSION A**

Real-world results showing the impact of Carrier-in-Carrier technologies on your satellite monitoring capabilities

- Presented by VASTech

09:30-10:15 **SESSION B**

Wireless Solution Innovation: 3D Visualizing Mobile Target Locating and Integrating Facial & Plate

- Presented by Sinovatio

09:30-10:15 **SESSION C**

Deriving Insights Through OTT-Encrypted Traffic

- Presented by Intersec

10:30-11:15 **SESSION A**

The Future of Lawful Intelligence: fusing OSINT and high-accuracy location with voice and other data sources for quick identity resolution

- Presented by SS8

10:30-11:15 **SESSION B**

Anonymity vs. You: Accelerated WEBINT insights to identify virality, influencers and unmask suspects across social networks

- Presented by ClearTrail

10:30-11:15 **SESSION C**

Intelligence that Goes Above and Beyond: Combining ADINT and VISINT for a Better Decision Making

- Presented by Rayzone Group

13:15-14:00

Implementing New Investigation Use-cases for LEAs

- Presented by Matison

15:15-16:00

Supercharged IPDR extraction and analysis — Encrypted IP Applications and Advanced Internet Activity Analytics

- Presented by Datafusion Systems

16:15-17:00 **SESSION A**

AI-powered Metadata Analysis: Unearthing the Secrets Hidden in Digital Footprints

- Mitesh Vageriya, CEO, PertSol

16:15-17:00 **SESSION B**

Building a network visibility platform to dissect packets in 400G networks by using TAPs and Packet Brokers

- Presented by NEOX NETWORKS GmbH

Wednesday, 4 September 2024

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

Kick Start Your Investigations with AI

- Adrian Barfield, Brand Technical Specialist, i2 Group

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

Integrating Intercepted Data with Digital Forensics for Investigations

- Presented by Cellebrite

13:00-13:40 **SESSION A**

Encryption is one of the most common and relevant challenges for every LEA

- Presented by AREA

13:00-13:40 **SESSION B**

ORCA — rule the ocean of metadata

Using metadata to answer the important questions of Who, What, Where & When.

- Presented by VASTech

13:00-13:40 **SESSION C**

Uncovering Digital Footprints with AI-Enabled Data Fusion

- Presented by JSI

13:45-14:30 **SESSION A**

Face Recognition in mass terror event

- Presented by Corsight AI

13:45-14:30 **SESSION B**

Enhancing Situational Awareness in Control Rooms

- Presented by Intersec

13:45-14:30 **SESSION C**

Data to Decision: Transforming Criminal Investigations with AI-powered Predictive Analytics

- Gurjot Sandhu, CBO, PertSol

15:00-15:40 **SESSION A**

How AI could support your investigation – a research

- Presented by ATIS

15:00-15:40 **SESSION B**

Generating CDRs for WhatsApp, Telegram, Viber, Signal, and other Encrypted VoIP Applications

- Presented by ClearTrail

16:20-17:00 **SESSION A**

Who is communicating with who? — IP end point detection

- Presented by XCI A/S

16:20-17:00 **SESSION C**

The Encryption Battlefield: Leveraging Metadata and AI for Real-World Intelligence Missions

- Presented by ClearTrail

Thursday, 5 September 2024

08:30-09:10 **SESSION A**

Real-world results showing the impact of Carrier-in-Carrier technologies on your satellite monitoring capabilities.

- Presented by VASTech

09:15-10:00 **SESSION A**

Federal Case Study: Actionable insights using AI Powered Intelligence Fusion

- Presented by ClearTrail

09:15-10:00 **SESSION B**

Accelerate your Investigations with Multi-dimensional Multi-source Analysis

- Adrian Barfield, Brand Technical Specialist, i2 Group

11:00-11:40 **SESSION A**

Use Case Discussion of How LEAs Leverage High Accuracy Location Data to Improve Investigation Results

- Presented by SS8

11:00-11:40 **SESSION B**

End to End Lawful Interception Monitoring Centre, for landline and mobile up to 5G

- Presented by AREA

Track 3

Social Network Monitoring, Artificial Intelligence and Analytics Product Presentations

Sessions in this track are only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees, unless marked otherwise.

Tuesday, 3 September 2024

08:30-09:15

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

- Presented by IPS

09:30-10:15

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

- Presented by IPS

10:30-11:15

AI-Driven Automatic Metadata Modeling for Telecom Fraud Detection, OTT, VPN, and SNS Behavior Identification

- Presented by Sinovatio

11:30-12:15

Next Generation Data Fusion Monitoring Center: new ways of gathering intelligence

- Presented by RCS S.p.A.

14:15-14:35

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

- Presented by IPS

14:35-15:00

Maritime Threats Prediction, Detection and Monitoring with Revolutionary Fusion Intelligence Platform. A real use-case in the Red Sea

- Presented by IPS

15:15-16:00

The Evolution of Mass Media for Data Fusion: Will AI wield the controls for OSINT data curation

- Stavros Vologiannidis, Founder, Business Development, **DataScouting**
- Rami El Sabeh, OSINT Consultant, **DataScouting**

16:15-17:00

Social Media Investigations and Monitoring challenges solved with the Virtual Human Intelligence platform that allows Forensic Investigation of the online communities

Use cases and live demo.

- Presented by AREA

Wednesday, 4 September 2024

09:10-10:00

Overview of the Info-stealer Eco System on the deep & dark web

- Presented by S2W

13:45-14:30 **SESSION A**

Using OSINT with visual link analysis to enhance your investigations

- Presented by Maltego

13:45-14:30 **SESSION B**

Mastering Large-Scale OSINT Investigations: Advanced Tips, Techniques and Tools

- David Huggett, Senior Tradecraft Advisor, **Fivecast**

13:45-14:30 **SESSION C**

OSINT Case Study: Leveraging Open Data to Make Breakthroughs in an Arms Trafficking Investigation

- Christof De Windt, OSINT Specialist at the Federal Judicial Police of Belgium; and Alexandra Samuseva, Customer Success Manager, **Social Links**

15:00-15:40

Datafusion Systems's Latest interception Innovations – Speech Analysis, Encrypted IP applications and hyper efficient Big Data Analytics

- Presented by Datafusion Systems

16:20-17:00 **SESSION A**

CDRs, IPDRs, Lawful Interception, IP content derived Metadata, Location, Forensic Investigations and many more

- Presented by AREA

16:20-17:00 **SESSION B**

OSINT Class Product Types Generating Successful Southeastern Asia Investigations

- Christopher Parrish, U.S. Secret Service

Thursday, 5 September 2024

11:00-11:40 **SESSION A**

How AI could support your investigation – a research

- Presented by ATIS

11:45-12:30

Open Source Tools, Part 2

Top 20 FREE 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 Presentations

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

Tuesday, 3 September 2024

14:15-15:00

OSINT Case Study: How the Analysis of TikTok Led to the Identification of a Fugitive Criminal

- Christof De Windt, OSINT Specialist at the Federal Judicial Police of Belgium;

and Dmitry Danilov, Head of the Expertise Centre at **Social Links**

- Christof De Windt, OSINT Specialist at the **Federal Judicial Police of Belgium**
- Dmitry Danilov, Head of the Expertise Centre, **Social Links**

16:15-17:00

Keep your Information Safe! New Trends and Developments in Information Protection

- Presented by EO SECURITY s.r.o.

Track 5

Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction Presentations

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

Note: Some sessions are only open to LEA and Government. These sessions are marked accordingly.

Tuesday, 3 September 2024

13:15-14:00

Live Demonstration of DarkOwl Vision: Darknet Intelligence Discovery and Collection

- David Alley, CEO, **DarkOWL FZE**

Wednesday, 4 September 2024

13:00-13:40

Offline darknet investigation with the Web-I-Qube

- Stefan Heimgaertner, **mh Service GmbH**

Track 6

Mobile Signal Intercept Product Presentations

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, 3 September 2024

08:30-09:15

Understanding Mobile 2G, 3G, 4G and 5G NSA Infrastructure, Intercept and Cryptography

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

10:30-11:15

Satellite Networks: Detecting, Locating and Intercepting transmitters

- Presented by **Kratos**

11:30-12:15

ArrowCell — Securing your Cellular Environment, Anywhere, Anytime

• Presented by Rayzone Group

14:15-15:00

Protecting Against Vulnerabilities in 2G, 3G, 4G, and 5G Networks

• Presented by 4intelligence

15:15-16:00

Similar Trajectories & Hidden Connections Through Telecom Metadata

• Presented by Intersec

Wednesday, 4 September 2024

9:10-10:00

Satellite Interception Systems (Thuraya/ISAT/BGAN/IRIDIUM/Bideou)

• Presented by Stratign

Track 7

Electronic Surveillance Training and Product Presentations

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

Enforcement, Public Safety and Government Intelligence Community Attendees.

Wednesday, 4 September 2024

15:00-15:40

Thor Store & Forward

• Presented by Spectronic Denmark

Thursday, 5 September 2024

8:30-9:10

Walk in your suspect’s shoes. See what your suspect does.

• Presented by AREA

Track 8

5G Lawful Interception Product Training

This track is open to all conference attendees unless marked otherwise.

Note: Some sessions are only open to LEA and Government. These sessions are marked accordingly.

Tuesday, 3 September 2024

09:30-10:15

Understanding 5G Stand Alone NFV, Edge Computing and Network Slicing

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

Wednesday, 4 September 2024

(THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

13:45-14:30

Tactical 5G ID resolution

• Presented by EXFO

(THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

15:00-15:40

5G passive and active hybrid direction finder, no IMSI encrypt issues any more

• Presented by REACH

Thursday, 5 September 2024

(THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

09:15-10:00

Oculus 5 - the new 5G recorder from Covidence

• Presented by Covidence

(THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)

11:00-11:40

5G Security Encrypted Phone, no information leaking any more

• Presented by REACH

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To attend ISS World you must be a Telecommunications Service Provider, 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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