ISS World Asia is the world's largest gathering of Asian Law Enforcement, Intelligence and Homeland Security Analysts as well as Telecom Operators responsible for Lawful Interception, Hi-Tech Electronic Investigations and Network Intelligence Gathering.

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

Track 1: ISS for Lawful Interception and Criminal Investigations
Track 2: ISS for Massive IP Intercept and Social Network Monitoring
Track 3: ISS for Mobile Location, Surveillance and Intercept
Track 4: Encrypted Traffic Monitoring and IT Intrusion Product Training
Track 5: LEA and Intelligence Analyst Training and Product Demonstrations
Pre-Conference Seminars and Tutorials (Tuesday, 11 December 2012)

ISS World Asia - Conference Agenda at a Glance 2012

Tuesday, 11 December 2012

Pre-Conference Seminars

Seminar #1
8:30-4:30

Practitioners Guide to Internet Investigations

Presented by: *Mark Bentley, Data Comms Manager,* **Child Exploitation and Online Protection Centre (CEOP)**, *United Kingdom*
This is exclusively Law Enforcement only, as Practical examples, covert and investigative methods will be given throughout the seminar.
The aim of this 1 day seminar is to take the attendees from the basics of understanding the internet, through to a full understanding of best practice of an internet investigator, and having awareness of all the tools available to achieve this.
8:30-8:45
Introduction
A 15 min introduction to the work of the Child Exploitation and online Protection Centre.

8:45-9:30

The World Wide Web and the Internet

9:45-10:45

Recognising Traffic Data

11:00-12:00

WIFI and GPRS

13:00-14:00

Emerging Technologies, Masking Tech and Tools

14:15-15:15

Advanced Techniques in Tracing Suspects

15:30-16:30

Open Source Intelligence Training (OSINT)

Seminar #2
8:30-4:30

Understanding ISS Technologies and Products Deployed in Telecommunications Networks and Monitoring Centers for Law Enforcement and Intelligence Analysis

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

08:30-10:45

Introduction to Telecom Infrastructure, Interception Architectures and ISS Products

11:00-2:00

Understanding Mobile Wireless Infrastructure, Interception and Related ISS Products

2:15-4:30

Understanding the Internet, Interception and Related ISS Products

Seminar #3
8:30-4:30

Advanced IP Intercept Training

Presented by: *Hendrik Schulze, President & CTO and Jens Geier, Product Manager,* ***ipoque***

08:30-10:45

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

11:00-2:00

Deep Packet Inspection (DPI) Basics for LEA's, Intelligence Analysts and Telecom Operators

2:15-4:30

Basics of IP Application Decoding

(Full Pre-Conference Seminar Agenda Appears After Track 5)

Wednesday, 12 December 2012

Welcoming Remarks

8:15-8:30	*Tatiana Lucas, ISS World Program Director, **TeleStrategies***
8:30-9:00	**Top Ten Internet Challenges Facing Law Enforcement and the Intelligence Comm** **ISS World Asia has Solutions** *Dr. Jerry Lucas, President, **TeleStrategies***

ISS World Americas Exhibits

Wednesday, 12 December

10:00 - 17:00

Thursday, 13 December

9:30 - 12:00

Track 1: ISS for Lawful Interception and Criminal Investigation

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

Wednesday, 12 December 2012

9:00-9:30	**New LI challenges. A Countrywide Integrated Solution: Voice, Data and Positioning** *Cristian D'Incertopadre, Sales, **IPS***
11:00-11:30	**Lawful Interception and Retention of Telecom Services vs. Data Protection** *René Nitzinger, Product Manager, **Utimaco LIMS***
11:30-12:00	**How to manage mass IP, Social Network & Web Surveillance** *Account Director, **trovicor***
13:30-14:00	**Validating Accuracy and Performance of Lawful Intercept Systems and Social Netw** **Systems** *Gregory Fresnais, International Director of Business Development EMEA and APAC, **Ix***
14:00-14:30	**A new way of supporting LEA in Lawful Interception Activities** *Alberto Chiappino, **RCS***
15:00-15:30	**IPv6, Identities & DPI** *Hendrik Schulze, President & CTO, **ipoque***
15:30-16:00	**VoiceGRID Nation** ***Speech Technology Center** Speaker to be Announced*

Thursday, 13 December 2012

8:30-9:30   **Lawful Interception for the Cloud Mobile App Ecosystem: emerging platform**
Tony Rutkowski, **Yaana Technologies**

Track 2: ISS for Massive IP Intercept and Social Network Monitoring

This track is for Intelligence Analysts and Law Enforcement agents who have to "connect the dots"

between people, places and other entities by searching through massive amounts of unstructured

data from various sources using visual analytics, semantic technologies, data mining, OSINT and

other intelligence gathering tools and techniques for social network monitoring and investigations

Wednesday, 12 December 2012

11:00-11:30   **Making 'Big Data' Big: The importance of sweeping signals at the optical laye**
Joon Choi, **Glimmerglass Optical Cyber Solutions**

13:30-14:30   **Arabic media influence cycle: case study**
How the Egyptian media covered the Muslim Brotherhood before, during, and
Mohamed Elawa ,OSINT Senior Technical Director, **AGT Advanced German Tech**

15:00-15:30   **Real Insight into Complex Threats through Rich Data Source Analytics**
Jayesh Nana, CEO, **iSolv Technologies**

15:30-16:00   **Cyber Investigation on Social Network and Webmails: the Https Monitoring &**
Fabio Romani – Market Strategy and Institutional Relations, **IPS**

Track 3: ISS for Mobile Location, Surveillance and Intercept

This track is for Law Enforcement, Interior Security and the Intelligence Community Authorities

who must work with cellular and mobile satellite operators regarding mobile location, surveillance

and intercept as well as analysis of mass geo-location data.

Wednesday, 12 December 2012

9:00-9:30   **Integration of location based services as one more information source on top o**
intercepted services.
Dirk Börgerding, Pre-Sales Manager, **Utimaco LIMS**

9:30-10:00	**Active, Passive and Hybrid GSM & 3G Monitoring systems. Practical solutio**
	NeoSoft AG Speaker to be Announced
11:00-12:00 Session A	**Cellular Tracking and localization. Vehicle based and Portable solutions. DEM**
	NeoSoft AG Speaker to be Announced
	(LEA and Government Only)
11:30-12:00 Session B	**MOBILE TRACKER: Essential tool for pinpointing Mobile Location**
	Patrick, Sales Manager, Semptian
11:00-11:30 Session C	**Codename: Da Vinci. Attack, control and gather intelligence from personal de**
	David Vincenzetti, Partner, Hacking Team
13:30-14:00	**Inmarsat IsatPhone Pro and BGAN Satellite Communication Interception**
	RHEINMETALL DEFENCE ELECTRONICS GMBH
14:00-14:30	**Combining Mobile Location Monitoring and Behavior Analysis to Improve LI**
	Mikael Nyström, Mobilaris AB
15:00-15:30	**ViBIS - Voice Identification-based Interception System**
	Sugito Wibawa, Chief Executive Officer, XSPEC TECHNOLOGY
15:30-16:00	**Monitoring Of Portable Satellite IP Terminals**
	RHEINMETALL DEFENCE ELECTRONICS GMBH

Track 4: Encrypted Traffic Monitoring and IT Intrusion Product Training

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

Attendees

Wednesday, 12 December 2012

9:00-10:00 Session A	**FinFisher - Actively Monitoring Networks, Computers and Mobile Phones**
	MJM, Gamma Group
9:30-10:00 Session B	**The Constant Risk of Cyberwar Threats**
	Solution Sales Manager, trovicor
11:00-12:00	**Tactical IP Intercept for HTTPS Monitoring & Remote Intrusion**
	Jitendra Verma, Manager, Business Development, ClearTrail Technologies
13:30-14:30	**Governmental IT Intrusion: Applied Hacking Techniques used by Governments**
	MJM, Gamma Group
15:00-16:00 Session A	**Codename: Da Vinci. Stealth data collection. Massive target scalability. And an a**
	engine to adapt to hostile environments.
	Marco Valleri, Head of R&D, Alberto Ornaghi, Senior Software Developer and Albert
	Software Developer, Hacking Team
15:30-16:00 Session B	**"Dark Eagle":The ultimate solution for DSL and voice data interception and rem**
	Giacomo Cera, Head Field Operations, GR Sistemi
16:15-16:45	**Encryption Anywhere and Everywhere. Now What? An Analysis of Possible Wor**
	AREA Presenter to be Announced

16:45-17:15	**Less invasive than a Trojan and less complicated than a Strategic Solution: the ne**
	Traffic Monitoring
	*Fabio Romani, Market Strategy and Institutional Relations, **IPS***

Thursday, 13 December 2012

8:30-9:30	**Secfence Intruder - Simplifying the IT Intrusion & Cyber Intelligence Operations: Enabling Automated, Anonyr**
	Offense.
	*Atul Agarwal, Director, **Secfence***
10:45-11:45	**Codename: Da Vinci. An in-depth, live demonstration of infection vectors and attack techniques.**
	Marco Valleri, Head of R&D, Alberto Ornaghi, Senior Software Developer and Alberto Pelliccione, Senior Software D

Track 5: LEA, Intelligence and Defense Analyst Training and Product Demonstration Track

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

Wednesday, 12 December 2012

9:00-10:00 Session B	**The Evolution of Location Surveillance: Combining High-Accuracy Location w** **Technologies and Data Streams to Deliver Actionable Intelligence** *Mahesh Patel, Senior Vice President of Technology & Products, **Polaris Wireless***
11:00-11:30 Session A	**trovicor's newest Social Network Monitoring and Analysis Solution** *Solutions Sales Manager, **trovicor***
11:00-12:00 Session B	**Flexible IP Communication Surveillance Solutions - Adapting to Your Investiga** **Objectives** ***AREA** presenter to be announced*
13:30-14:30 Session A	**Monitoring Center Next Generation – A live demo** *Solutions Sales Manager, **trovicor***
13:30-14:30 Session B	**Shattering Price Barriers - Monitoring Centre under $ 100K** *Karanvir Singh, CEO, **Kommlabs Dezign Pvt.***
13:30-14:30 Session C	**Applying Artificial Intelligence in Mass Monitoring of IP data** *Manohar Katoch, AVP-Business Development, **ClearTrail Technologies***
15:00-15:30 Session A	**Intelligence Platform - A live demo** *Chief Technology Officer, **trovicor***
15:00-16:00 Session B	**Validating Accuracy and Performance of Lawful Intercept Systems and Social N** **Systems** *Gregory Fresnais, International Director of Business Development EMEA and APAC*
15:00-15:30 Session C	**GMAIL RETRIEVER: An innovate system for LI Monitoring** *George, CEO, **Semptian***

15:30-16:00 Session C	**POMS: An eagle's view of Facebook & Twitter** *Daniel, Marketing Director,* ***Semptian***
16:15-17:15 Session A	**Controlling the Menace Mobile Phones – A live demonstration** *Karanvir Singh, CEO,* ***Kommlabs Dezign Pvt***
16:15-17:15 Session B	**RCS xDR Probe. A cost-effective solution for mass interception** *Federico Ciceri,* ***RCS***
16:15-17:15 Session C	**Altron's New Cellular Monitoring Solution** ***Altron*** *Speaker to be Announced*
16:15-16:45 Session D	**"PHOENIX":undetectable GPS & AUDIO device** *Giacomo Cera, Head Field Operations,* ***GR Sistemi***

Thursday, 13 December 2012

8:30-9:30 Session A	**IMSI/IMEI Catcher. InPoint SMS system – Mass Emergency Notification. Ta challenges and solutions. DEMO** *Neosoft AG Speaker to be Announced*
8:30-9:30 Session B	**Application & User Data Interception Demo** *Jens Geier, Product Manager,* ***ipoque***
9:00-9:30 Session C	**trovicor's newest Social Network Monitoring and Analysis Solution** *Solutions Sales Manager,* ***trovicor***
8:30-9:30 Session D	**FENCING IN THE THREAT: Mobile Identification and Alert System** *Jacques, Director of Sales,* **Semptian**
10:45-11:45 Session A	**Real Insight Into Complex Threats Through Rich Data Source Analytics** *Jayesh Nana, CEO,* ***iSolv Technologies(Pty)Ltd***
10:45-11:45 Session B	**Countrywide Monitoring Centers solution: Voice, Data and Positioning** *Cristian D'Incertopadre, Sales,* ***IPS***
10:45-11:45 Session C	**VoiceGRID X Product Demonstration** ***Speech Technology Center*** *Presenter to be Announced*
10:45-11:15 Session D	**Smart Internet Protocol Handling – A live demo** *Solution Sales Manager,* ***trovicor***
11:15-11:45 Session D	**Intelligence Platform - A live demo** *Chief Technology Officer,* ***trovicor***

Tuesday, 11 December 2012

Pre-Conference Seminars

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Presented by: *Mark Bentley, Data Comms Manager,* ***Child Exploitation and Online Protection Centre (CEOP)***, *United Kingdom*

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The aim of this 1 day seminar is to take the attendees from the basics of understanding the internet, through to a full understanding of best practice of an internet investigator, and having awareness of all the tools available to achieve this.

8:30-8:45

Introduction

A 15 min introduction to the work of the Child Exploitation and online Protection Centre.

8:45-9:30

The World Wide Web and the Internet

- Understanding where an investigator needs to look to find it.
- How it works. Why it works. How data traffic leaves a trace and
- What the internet is; what is an IP and what there is out there to help
- IPv4 and IPv6 – understanding the changes
- mirror servers use and value
- Virtual servers set up and use.

9:45-10:45

Recognising Traffic Data

- A practitioner's guide to what data is available. How to harvest and analyse it.
- Best practice to identify suspects and build profiles.
- Data collection and interrogation
- IP usage, exploitation and dynamics; IP plotting and analysis how to look for suspect mistakes and exploit them (where they show their id)
- Dynamic approaches to identifying suspects through internet profiles
- What investigators get from tech and service providers, and how to analyse it

11:00-12:00

WIFI and GPRS

- A practitioner's look at Wi-Fi, attribution, cell site data, GPRS location services and technology. How an investigator can track devices, attribute suspects locations, devices and movement.
- Dynamic live time tracing
- Geo location services and uses

13:00-14:00

Emerging Technologies, Masking Tech and Tools

- How suspects are using emerging and new technologies.
- An introduction to where technology is going, and how Law enforcement can use this to our advantages.
- Darknet, (Deepweb) and IRC use
- VOIP, Skype
- Advanced data sniffing and profile building
- TOR systems, applications and ways to coax offenders out of the system.

14:15-15:15

Advanced Techniques in Tracing Suspects

- Using innovative and dynamic methods to trace offenders.
- tricks used by suspects and how to combat them
- Covert internet investigations
- Directed and intrusive surveillance authorities- pitfalls and advantages
- Proxy servers and hiding.
- managing collateral intrusion
- Reverse and social engineering
- Profile building

15:30-16:30

Open Source Intelligence Training (OSINT)

- An in depth look at what tools are available; how to use them, and practical applications.
- safety online when open sourcing
- open source training and awareness basics
- Trace suspects using available tools
- How to identify leads in investigations and data from ISP
- Internet tools to assist in building online profiles on suspects
- A run through of my website dedicated to online tracing tools and how best to use it (LEA ONLY)
- Reverse engineering and social engineering

Seminar #2
8:30-4:30

Understanding ISS Technologies and Products Deployed in Telecommunications Networks and Monitoring Centers for Law Enforcement and Intelligence Analysis

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

This one day pre-conference seminar covers the spectrum of ISS Technologies and Products deployed in today's fixed wire, mobile wireless and Internet Service Provider networks and LEA Monitoring and Intelligence Gathering Centers. This all day seminar is ideal for those law enforcement, public safety and intelligence analysts who need an understanding of the ISS technologies to be discussed in the conference sessions and the ISS products displayed at the exhibit hall as well as an understanding of the buzz words and jargon used by telecom operator engineers and their vendors.

08:30-10:45

Introduction to Telecom Infrastructure, Interception Architectures and ISS Products

What do LEAs need to know about the public switched telecommunications networks, circuit switching, fiber optics, SONET/SDH, Broadband Access (DSL, ADSL, Cable Modems, etc.), billing systems and call detail records, standards for lawful intercept, basic LI elements (access, delivery and collection function), LEA Monitoring Center Functions (call information and call content data collection) and where are ISS products deployed for monitoring and intercept.

11:00-2:00

Understanding Mobile Wireless Infrastructure, Interception and Related ISS Products

Infrastructure basics (GSM, GPRS, EDGE, UMTS, HSPA and LTE), Wi-Fi, WiMax and Femtocells, How a cellular call is processed, back office infrastructure, HLR, VLR, Backhaul and PSTN interconnection, data services, SMS, MMS, IM, data services, fixed mobile convergence, Smartphone challenges for LEA, intrusion techniques, gathering Geolocation data, location technologies (A-GPS and RF finger printing) and where are ISS products deployed for monitoring and intercept.

2:15-4:30

Understanding the Internet, Interception and Related ISS Products

What Investigators Have To Know about IP call Identifying Information, Radius, DHCP, DNS, etc., Tracking an Internet Address to a Source, Investigations Involving E-Mail, Facebook, Twitter, Skype, Instant Messaging, Chat Rooms and Message Boards, IMS, P2P Networks and Deep Packet Inspection, Big Data Analytics, defeating encryption, emerging IPv6 Challenges and what can be done to address Internet intercept deploying ISS infrastructure and where are ISS products deployed for monitoring and intercept.

Seminar #3
8:30-4:30

Advanced IP Intercept Training

Presented by: *Hendrik Schulze, President & CTO and Jens Geier, Product Manager,* ***ipoque***

08:30-10:45

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

A brief introduction into network technology and the basics of TCP/IP needed for interception and the impact on proper network analysis. Based on this, the workshop reflects the technical options for LEA's to investigate in networks.

11:00-2:00

Deep Packet Inspection (DPI) Basics for LEA's, Intelligence Analysts and Telecom Operators

An overview on deep packet inspection technology (DPI) and its basic operations down to the application level. Skype is used as example to show the implications of complex network behavior on DPI.

2:15-4:30

Basics of IP Application Decoding

From Packets to Structured Data

The workshop is a high-level introduction on building decoder software starting from requirements on an example of software architecture. After an overview of all parts of the introduction the building blocks are elaborated.