

ISS World Asia Pacific is the world's largest gathering of Asia Pacific Law Enforcement, Intelligence and Homeland Security Analysts and Telecom Operators responsible for lawful interception, electronic criminal investigations and network intelligence gathering.

ISS World Programs present the methodologies and tools to bridge the chasms from lawful intercept data gathering to information creation to investigator knowledge to actionable intelligence.

[Track 1: ISS for Lawful Interception and Criminal Investigation](#)

[Track 2: ISS for Mobile Location, Surveillance and Intercept Analysis](#)

[Track 3: DPI for Lawful Interception and Cyber Security](#)

[Track 4: ISS for Intelligence Gathering and Analysis](#)

[Track 5: LEA and Intelligence Analyst Training and Product Demonstration](#)

[Pre-Conference Seminars and Tutorials \(Tuesday, 6 December 2011\)](#)

ISS World Asia Pacific- Conference Agenda at a Glance December 6-8, 2011

Tuesday, 6 December 2011

Pre-Conference Seminars

8:30-16:30

Understanding Telecommunications Intercept, Monitoring Technologies and Related ISS Products for LEA Investigators and Intelligence Analysts (Six One Hour Sessions)

Presented By: Dr. Jerry Lucas, President, TeleStrategies

8:30-9:30 Session 1

Understanding Wireline Telecom Infrastructure and Interception

9:45-10:45 Session 2

ISS Technologies and Products Deployed in Wireline Networks and Monitoring Centers

11:00-12:00 Session 3

Understanding Mobile Wireless Infrastructure and Interception

13:00-14:00 Session 4

ISS Technologies and Products Deployed in Wireless Networks and Monitoring Centers

14:15-15:15 Session 5

Understanding the Internet and Lawful Interception

15:30-16:30 Session 6

ISS Technologies and Products Deployed for Internet Investigations and Intelligence Gathering

8:30-16:30

IP Intercept Training Seminar (Three Two Hour Sessions)

*Presented By: Klaus Mochalski, VP Market Development, **ipoque** and Jens Geier, Product Manager, **ipoque***

8:30-10:45 Session 1

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

11:00-14:00 Session 2

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

14:15-16:30 Session 3

Basics of IP Application Decoding

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

Wednesday, 7 December 2011

Welcoming Remarks

8:15-8:30

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

8:30-10:00

Top Ten Internet Challenges Facing Law Enforcement and the Intelligence Community

Moderator:

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

Panelist:

*Martin Hayes, Head of Innovations, **trovicor GmbH***

*Marco Braccioli, Senior VP, **IPS***

*Rudolf Wunschuh, Business Development, **Utimaco LIMS***

*Karanvir Singh, CEO, **Kommlabs***

*Manohar Katoch, Sr. Director, **ClearTrail Technologies***

*Dr. Cemal Dikmen, CTO, **SS8***

*Henrik Dalby Kristiansen, Strategic Product Manager, **ETI Group***

ISS World Americas Exhibits

Wednesday, 7 December

10:00 - 18:00

Thursday, 8 December

10:00 - 12:30

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 and supporting criminal investigation.

Wednesday, 7 December 2011

- 9:30-10:00 **Integrated Solution for National Security and Crime Investigation**
Tan Wei, ZTEsec
- 11:00-12:00 Session A **LI for New IP Services “Best Practices” Guru Panel**
Cristian D’Incertopadre, IPS
Alice Kung, Senior Director, Asia Business Development, Glimmerglass Networks
Rene’ Nitzinger, Product Manager, Utimaco LIMS
Jacob Howard, Senior Solutions Engineer (APAC), SS8
Klaus Mochalski, VP Marketing, ipoque
Wolfgang Schau, Area Sales Manager, ETI Group
- 11:00-11:30 Session B **Intelligence Solutions for LEAs - New Trends**
Head of Sales, Intelligence Solutions, trovicor
- 11:30-12:00 Session B **Intelligence Monitoring & Analysis of Social Networks - An Introduction**
Product Manager, trovicor
- 13:30-14:00 Session A **Lawful Interception in Broadband Access Networks (UMTS, LTE, WiMAX, DSL, FTTx)**
Rene’ Nitzinger, Product Manager, Utimaco LIMS
- 13:30-14:00 Session B **Block the 'Bad' Network Traffic**
George Chen, CEO, Semptian Technologies
- 13:30-14:00 Session C **From Gigabits to Terabits: Why you want to work smarter and not harder**
Steen Munksgaard, Solution Manager, ETI Group
- 14:00-14:30 Session A **Cyber Investigation on Social Network**
Ugo Santillo, IPS
- 14:00-14:30 Session B **Challenges of Webmail Interception and Analysis**
Jacob Howard, Senior Solution Engineer (APAC), SS8
- 15:00-15:30 Session A **Why LI for Internet Interception will fail in Asia**
Karanvir Singh, CEO, Kommlabs

15:00-15:30 Session B	Not able to Monitor HTTPS and other secured IP communications? Do Active Interception <i>Anand Bhargava, Sr. Director of Technology, ClearTrail Technologies</i>
15:30-16:00 Session A	LI in Clouds - Challenges & Possible opportunities for providers & LEAs <i>Rudolf Wunschuh, Business Development Manager, Utimaco LIMS</i>
15:30-16:00 Session B	Access Switching - Identifying the Needle in the 10/40/100G Haystack <i>Bob Shaw, CEO, Net Optics</i>
15:30-16:00 Session C	A Human-centric approach to IP investigation <i>Paolo Mandelli, International Sales Director, AREA</i>
16:30-17:00 Session A	Manage the Flood <i>Joon Choi, Director of Product Management, Glimmerglass Networks</i>
16:30-17:00 Session B	Challenges of LTE Monitoring: Harmonising LIG, LEMF and corporate security a Case Study <i>Balazs Szabelledy, NETI</i>
16:30-17:00 Session C	Cloud Lawful Interception and Data Retention <i>Tony Rutkowski, VP, Yaana Technologies</i>

Thursday, 8 December 2011

8:30-9:00 Session A	Converging Networks, Exploding Bandwidth, Complex Communications and Simplified MASS MONIT <i>Manohar Katoch, Sr. Director - Business Development, ClearTrail Technologies</i>
8:30-9:00 Session B	Lawful Intercept and Network Data Recorders <i>Joe Habib, WildPackets</i>
9:00-9:30 Session A	The nature of Online Financial Crimes; as they evolve in current form <i>James Emerson, COO, iThreat Solutions</i>
9:00-9:30 Session B	Voice and Language Identification in the context of Intelligence Support Systems at strategic, tactical a <i>Angelo Ferraris, Loquendo</i>
10:30-11:00 Session A	The Application of Real-time Voice Identification Technology for Criminal Investigations <i>Andrey Barinov, Head of Voice Biometric Department, Speech Technology Center</i>
10:30-11:00 Session B	IPv6 - LI Challenges and Solutions <i>Wolfgang Schau, Area Sales Manager, ETI Group</i>
11:00-11:30 Session A	Network Forensic Analysis & Lawful Intercept <i>Joe Habib, WildPackets</i>
11:00-11:30 Session B	The ipoque Internet Observatory - Measuring the Internet <i>Klaus Mochalski, VP Market Development, ipoque</i>
12:00-12:30	Paradigm Shifts <i>Joon Choi, Director of Product Management, Glimmerglass Networks</i>
12:30-13:00	Intelligence from Telecommunications Data in an Evolving World <i>Rajiv Shah, Technical Manager, BAE Systems Detica</i>

Track 2: ISS for Mobile Location, Surveillance and Intercepts Analysis

This track is for Law Enforcement, Interior Security and Intelligence Community who have to work with cellular and mobile satellite operators to locate targets and intercept communications.

Wednesday, 7 December 2011

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| 11:00-11:30 | Active, Passive and Hybrid GSM Monitoring System with 3G Possibilities.
<i>Chief Security Officer, Neosoft AG</i> |
| 11:30-12:00 | Challenges Monitoring Sophisticated Mobile Satellite Handsets - Inmarsat IsatPhone Pro
<i>Richard Grundy, L-3 TRL Technology</i> |
| 13:30-14:00 | High Accuracy Mass Geo-Location Data: Why is it Critical for the Analyst?
<i>Bhavin Shah, Vice President, Marketing & Business Development, Polaris Wireless</i> |
| 14:00-14:30 | ViBIS - Voice Identification-based Interception System
<i>Sugito Wibawa, Chief Executive Officer, XSPEC TECHNOLOGY</i> |
| 15:00-15:30 | GSM/GPRS Defense Trends
<i>Dr. Karsten Nohl, Security Research Labs, Berlin</i> |
| 15:30-16:00 | From Data Collection to Action: Achieving Rapid Identification of Cyber Threats and Perpetrators
<i>Marco Germoni, Director of Engineering, Internet Applications & Services, Bivio Networks</i> |

Thursday, 8 December 2011

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| 9:00-9:30 | IMSI/IMEI Catcher. InPoint SMS system - Mass Emergency Notification. Tactical experience, challenge
<i>Technical Monitoring Expert, Neosoft AG</i> |
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Track 3: DPI and Intelligent Probes for Lawful Interception and Cyber Security

This track is for telecom operators, law enforcement, intelligence analysts or just about anyone who has to understand Deep Packet Inspection (DPI) technologies, product availability, cyber security applications and other issues facing telecom operators who deploy DPI infrastructure.

Wednesday, 7 December 2011

- 13:30-14:00 **IPv6, Identities & DPI**
Jens Geier, Product Manager, ipoque
- 14:00-14:30 **Multimedia Mass IP Interception - Capturing & Processing**
Innovation Manager, trovicor

Thursday, 8 December 2011

- 10:30-11:00 **Interception and Intelligence Gathering - Impact of growing bandwidth and new IP Applications**
Jacob Howard, Senior Solutions Engineer (APAC), SS8
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Track 4: ISS for Intelligence Gathering and Analysis

This track is for intelligence analysts who must "Connect the dots" between people, places and other entities by gathering on-line intelligence using semantic technologies, visual analytics, data mining and OSINT programs.

Wednesday, 7 December 2011

- 9:00-9:30 **Who, What, When, Where and How: Semantics Helps Connect the Dots**
GianPiero Oggero, Director Strategic Accounts, Intelligence Division, Expert System
Andrea Melegari, COO, Intelligence Division, Expert System
- 9:30-10:00 **Creating Geospatial Intelligence for National Security**
Paul Christin, Esri
- 11:00-11:30 Session A **Lessons learned from the top 3 U.S. Government OSINT Programs**
Andrew Lasko, PMP, Technical Alliance Manager, Kapow Software
- 11:00-12:00 Session B **Organized Security with Cybercrime**
Huawei Speaker to be Announced
- 11:30-12:00 Session A **Introducing RCS 8 Da Vinci: Attack, Infection and Data Intelligence for endpoint devices**
David Vincenzetti, Partner, Hacking Team
- 13:30-14:00 **Lawful Interception in Virtual Environments**
Bob Shaw, CEO, Net Optics
- 14:00-14:30 **"Ipad" supporting LEA operations on-site: Secure extension of your LEMF**
Balazs Szabelledy, NETI
- 15:00-15:30 **Mass IP Metadata Analysis - Challenges and Solutions**
Cemal Dikmen, CTO, SS8

- 15:30-16:00 **A System of Finding Drug Trafficker**
Ning Jiang, Product Manager, Semptian Technologies
- 16:30-17:00 **Identity Management in the LI: The Key to Identify the New Era Targets**
Emanuele Marcozzi, Presales Engineer, AREA

Thursday, 8 December 2011

- 9:00-9:30 **New Trends in Data Analysis - Handling Massive Amounts of Data**
Product Manager, trovicor
- 10:30-11:00 **A New Approach for OSINT: Live Demonstration of Semantic Technology for Intelligence**
Maurizio Mencarini, Sales Director, Intelligence Division, Expert System
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Track 5: LEA, Intelligence and Defense Analyst Training and Product Demonstration Track

This training and product demonstration track is open only to Law Enforcement, Intelligence, Defense Analysts and other Government Executives

Wednesday, 7 December 2011

- 9:00-10:00 **VoiceGrid - Real-time Speaker Spotting within Massive Voice Interception Systems**
Matvey Zhokhov, Business Development Manager, Speech Technology Center
- 11:00-12:00 Session A **A Web Master Key™ for Social Networks Monitoring, Interception and Analysis**
Ugo Santillo, IPS
- 11:00-12:00 Session B **Monitoring HTTPS Based Applications in the Changing Cyber World**
Sameer Fegade, Director Engineering, ClearTrail Technologies
- 11:00-12:00 Session C **Live Demonstration of Tactical GSM Interrogation and Geo-Location System**
Karanvir Singh, CEO, Kommlabs
- 13:30-14:30 Session A **Governmental IT Intrusion: Applied Hacking Techniques used by Government Agencies**
MJM, IT Intrusion Expert, Gamma Group
- 13:30-14:30 Session B **NetRASAT®: Solution for high capacity and centralized mode IP LI markets**
Dr. Ismail Uzun, Dr. Hasan Palaz, C2TECH
- 15:00-16:00 Session A **RCS 8 Da Vinci: Live demonstration of stealth data-gathering from an end-point device. Watch cyber-i**
Marco Valleri, Senior Security Engineer and Alberto Ornaghi, Senior Security Engineer, Hacking Team

- 15:00-16:00 Session B **Social Network Monitoring and Analysis - How to gain new insights**
Product Manager, trovicor
- 16:30-17:30 Session A **Social Network Analysis Techniques for Analyzing Intercepted IP Communications**
Jacob Howard, Senior SolutionsEngineer (APAC), SS8
- 16:30-17:30 Session B **Multimedia Mass IP Interception - a live demo**
Innovation Manager, trovicor
- 16:30-17:30 Session C **Efficient Analysis and Case Management Tools - The Prerequisites for Success**
Henrik Dalby Kristiansen, Strategic Product Manager, ETI Group

Thursday, 8 December 2011

- 8:30-9:30 Session A **Offensive IT Intelligence Information-Gathering Portfolio - An Operational Overview**
MJM, IT Intrusion Expert, Gamma Group
- 8:30-9:30 Session B **Manage the Flood Product Demo**
Alice Kung, Senior Director, Asia Business Development and Rob Lundy, Marketing Director, Glimmerglass Networks
- 8:30-9:30 Session C **A new Platform for all your IP Lawful Interceptions**
Emanuele Marcozzi, Presales Engineer, AREA
- 10:30-11:30 Session A **RCS 8 Da Vinci: an in-depth, live demonstration of infection vectors and attack**
Marco Valleri, Senior Security Engineer, and Alberto Ornaghi, Senior Security Engineer
- 10:30-11:30 Session B **Demonstration of Active, passive and Hybrid GSM Monitoring systems. InPoint solution**
Regional Technical Field Expert, Neosoft AG
- 10:30-11:30 Session C **Social Network Monitoring and Analysis - How to gain new insights**
Product Manager, trovicor
- 12:00-12:30 Session A **Intelligence Analysis - Turning Mass Data into Intelligence**
Product Manager, trovicor
- 12:00-13:00 Session B **Application & User Data Interception Demo**
Jens Geier, Product Manager, ipoque

Tuesday, 6 December 2011

Pre-Conference Seminars

8:30-16:30

Understanding Telecommunications Intercept, Monitoring Technologies and Related ISS Products for LEA Investigators and Intelligence Analysts

Presented By: Dr. Jerry Lucas, President, TeleStrategies

This pre-conference seminar is for law enforcement, interior security and intelligence analysts who have to understand telecommunications technology buzz words and jargon in order to communicate with telecom operator engineers regarding their Intelligence Support System (ISS) requirements regarding lawful interception, investigative analysis and intelligence gathering. This

pre-conference seminar also provides an overview of the types of ISS Products that will be discussed in Conference Sessions and displayed on the exhibit floor.

8:30-9:30 Session 1

Understanding Wireline Telecom Infrastructure and Interception

What does Law Enforcement and Intelligence Community need to know about the public switched telecommunications networks, circuit switching, fiber optics, SS7, SDH, DSL, billing systems and call detail records, standards overview for lawful intercept, basic LI elements (access, delivery and collection function), call information and call content data collection, SS7 probes and relevant telecom network elements. Circuit Switching vs. VoIP, SIP, SoftSwitches, Gateways, VoIP over Broadband, DSLAM's and PSTN Interconnection.

9:45-10:45 Session 2

ISS Technologies and Products Deployed in Wireline Networks and Monitoring Centers

This session addresses what kind of intelligence related data can be gathered from wireline networks and monitoring centers to support criminal investigations, enhance public safety and support intelligence gathering. What ISS technologies, techniques and products are deployed for wireline network for intercept and network forensics:

- What's already built into wireline network elements (switches, routers, etc.) for supporting intercept and what ISS products must be added.
- Wireline Network Mediation Functionality and Products
- Monitoring Functionality Requirements and Platform Modules Required for Wireline Network Lawful Interception and Intelligence Gathering
- Trunk and Access Line Monitoring Technologies and ISS Products
- Ultra High Speed (10/40/100 Gbps) Monitoring Technologies and Optical Products
- Voice Biometric Techniques and Products for Speaker Identification
- And Other ISS Products Required to Support Wireline Network Intercept and Network Forensics

11:00-12:00 Session 3

Understanding Mobile Wireless Infrastructure and Interception

Infrastructure basics (GSM, GPRS, EDGE, UMTS, HSPA and LTE), Wi-Fi, WiMax, Mobile Satellite Systems 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 and IMS. The basics of mobile wireless technologies, A- GPS, AOA, TDOA, U-TDOA, WLS and location accuracy. Transforming cell records and location data into actionable intelligence, Smart Phone intercept and wireless provider business model, Apple iPhone, Google Android and LTE Challenges.

13:00-14:00 Session 4

ISS Technologies and Products Deployed in Wireless Networks and Monitoring Centers

This session addresses what kind of intelligence related data can be gathered from wireless networks and monitoring centers to support criminal investigations, enhance public safety and support intelligence gathering. What ISS technologies, techniques and products are deployed in wireless networks for intercept and network forensics:

- What's already built into wireless network elements (routers, switches and SS7 Servers) for supporting intercept and what ISS products must be added.
- Wireless Network Mediation Functionality and Products
- Additional Functionality Requirements or Modules that must be added to Monitoring Centers to Support Wireless Network Lawful Interception and Intelligence Gathering
- Geolocation Support Products and Services
- Mobile Satellite System Intercept
- Target Location and Tracking Techniques and ISS Products
- Special Recording and Analysis Systems Required for Radio or Off-air and Satellite Intercept
- And Other Products Required to Support Wireless Network Intercept and Network Forensics.

14:15-15:15 Session 5

Understanding the Internet and Lawful Interception

What Investigators Have To Know about IP call Identifying Information, Radius, DHCP, DNS, etc. and Tracking an Internet Address to a Source, Investigations Involving E-Mail, Websites, Skype, Instant Messaging, Chat Rooms and Message Boards, IMS, P2P Networks and Deep Packet Inspection and what can be done to address Internet intercept deploying ISS infrastructure and future challenges law enforcement and the intelligence community faces.

15:30-16:30 Session 6

ISS Technologies and Products Deployed for Internet Investigations and Intelligence Gathering

This session addresses what kind of intelligence related data can be gathered from the Internet to support criminal investigations, enhance public safety and support intelligence gathering. What ISS technologies, application techniques and products are required for internet investigations and intelligence gathering:

- What's already built into Internet Service Provider Network Elements (RADIUS, e-mail and other servers) for supporting Internet Investigations and Intelligence Gathering and what must be added.
- IP Network Mediation Functionality and Products
- Additional Functionality or Modules that must be added to Monitoring Centers to Support Internet related Investigations and Intelligence Gathering
- ISS Techniques and Products to Support Internet Session Decoding (Social Network Messaging, Webmail, IM, etc.)
- ISS Products for Collecting, Analyzing, Indexing, Viewing and Reporting OSINT
- ISS Products for Internet Intercept Data Visualization and Mining
- And Other ISS Products Required to Support Internet Related Investigations and Intelligence Gathering

8:30-16:30

IP Intercept Training Seminar (Three Two Hour Sessions)

*Presented By: Klaus Mochalski, VP Market Development, **ipoque** and Jens Geier, Product Manager, **ipoque***

This technical training session addresses the basics of TCP/IP packet sniffing, deep packet inspection and IP application decoding.

8:30-10:45 Session 1

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

11:00-14:00 Session 2

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

14:15-16:30 Session 3

Basics of IP Application Decoding