

ISS World *Asia Pacific*

**Intelligence Support Systems for Lawful Interception,
Criminal Investigations and Intelligence Gathering**

9-11 DECEMBER 2008 • SINGAPORE

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ISS World Asia Pacific is the world's largest gathering of Asia Pacific Telecom Operators, Law Enforcement, Intelligence and Defense Analysts responsible for lawful interception, electronic 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.

Five ISS World Tracks:

Conference Track 1

ISS for Lawful Interception

Conference Track 2

ISS for Criminal Investigation and Intelligence Gathering

Conference Track 3

ISS for Data Retention and Regulatory Compliance

Training Track 4

**LEA, Intelligence and Defense Analyst Training and Product Demonstration
Track**

Training Track 5

**Deployment and Integration of Advanced Forensic Audio Signal Speech
Processing and Video Enhancement Training Sessions**

Keynote Sessions

Monday, 9 June 2008

8:30-8:35

Welcoming Remarks

Tatiana Lucas, ISS World Program Director

8:45-10:15

Overview Addresses

Advance Telecommunications Technology-Aid or Threat to Corruption Investigation

Kwok Man-Wai, Tony, SBS, IDS

Former Deputy Commissioner and Head of Operations, Independent Commission Against Corruption (ICAC), Hong Kong (1996-2002)

2nd Keynote

Honorable Mr. Justice Pang, High Court of Hong Kong

Internet and IP Networking Impact on Lawful Interception, Criminal Investigation and Intelligence Gathering: Today and in the Future

Dr. Jerry Lucas, President, TeleStrategies

Track 1: ISS For Lawful Interception

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

Monday, 9 June 2008

10:45-11:15

Lawful Interception Industry Overview

Tony Rutkowski, Vice President Regulatory, VeriSign

11:15-11:45

Why LI And Mass Intercept Of IP Are Both Doomed To Fail

Karanvir Singh, President, KommLabs

13:15-14:15

Lawful Interception Guru Panel

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

Panel: *Joergen Axland, General Manager for Business Development and Strategy, Nokia Siemens Networks*

Dr. Cemal Dikmen, VP & GM Lawful Intercept Products, SS8 Networks

Jerome Tollet, CTO, Qosmos

Praveen Kankariya, Clear-Trail Technologies

Keith Driver, Product Manager, Telesoft Technologies

Klaus Mochalski, CEO, Ipoque

Karanvir Singh, President, Kommlabs Dezign

Anatoly Korsakov, VP Sales, Mera Systems

Alessandro Guida, Solutions Architect, ATIS System

14:45- 15:15

Lawful Intercept Challenges For Wi-MAX And Video Telephony

Scott Coleman, Director of Marketing, Lawful Intercept, SS8 Networks Monitoring and Lawful

15:15-15:45

Using Passive Probes In Packet And Traditional Networks To Deliver High Precision

Communications Intercept

Keith Driver, Head of Business Development (Intelligence/Defence) Telesoft Technologies

16:15-16:45

Interception: Technical And Political Challenges, Solutions For Active And Passive Interception

Carlos Gandini, Head of Sales APAC, Nokia Siemens Networks

16:45-17:15

Deep Packet Inspection For Layer 7 Intercept

Jérôme Tollet, CTO, Qosmos

Tuesday, 10 June 2008

8:30-9:00

Lawful Interception Solutions And Products

Anatoly Korsakov, VP Sales, Mera Systems

9:00-9:30

Lawful Interception In 2015; Are You Ready?

Praveen Kankariya, Chairman, ClearTrail Technologies

10:00-10:30

Effective Lawful Interception In A Changing Communication World

Koichi Hyodo, Bivio Network

10:30-11:00

High-Performance LI With Deep Packet Inspection On Commodity Hardware

Klaus Mochalski, CEO, Ipoque

13:00-14:00

Telecom Operators Round Table Discussion On Challenges Of IP Interception

Panel to be announced

14:30-15:30

European Directive On Retained Data And An Update On ETSI/TC LI

Very short introduction on ETSI. The work and the status of the work performed in ETSI/TC LI will be shown. The work on the handling of Retained Data handover between Operator and Government will be presented and some LI specifications will be handled in more detail .

Peter Van der Arend, Chairman, ETSI LI

16:00-16:30

The New Generation Of Integrated Monitoring Center For LI

Paolo Mandelli, AREA

16:30-17:00

Network Convergence - New LI Challenges

The convergence of fixed and mobile networks is going to be reality in most operators' networks. This presentation provides an architectural overview of such Next Generation Networks in the light of lawful interception. The different HI options are also explained. Furthermore the challenges of service layer interception are discussed.

Michael Eisenschmid, Head of Product Management, Nokia Siemens Networks

Wednesday, 11 June 2008

8:30-9:30

What Investigators Have To Know About Telecom Operator Packet Activity Reporting, Port Information, CII, Timestamps, SIP, And IP Tapping

Klaus Mochalski, CEO, Ipoque

10:30-11:30

SESSION A

Investigations Involving Peer To Peer File Sharing Networks, File Transfer Protocols, Gnutella, BitTorrent, EDonkey, Skype Issues And Deep Packet Investigation

Klaus Mochalski, CEO, Ipoque

SESSION B

IPv6 And Lawful Interception

IPv6 is a foundation which all communication networks will use in a predictable future. The goal of this presentation is to depict the next generation IP protocol, to highlight the differences compared to IPv4, describe the impact on the communication infrastructure and - last but no least - to show the implications on lawful interception.

Pawel Stefanek, Regional Product Manager, Nokia Siemens Networks

11:00-11:30

WiMAX - Overview And LI Approach

WiMAX gathers momentum and is considered as a direct competition to 4G mobile networks. High speed combined with mobility pave the way for new services and new ways people can communicate. We will take a closer look at mobile WiMAX network architecture and evaluate various approaches to interception in such environment.

Pawel Stefanek, Regional Product Manager, Nokia Siemens Networks

Track 2: ISS For Criminal Investigation And Intelligence Gathering

This track is for Law Enforcement Agents, Intelligence and Anti Corruption Analysts who have investigation and intelligence analysis responsibilities associated with telecom operator networks, electronic surveillance technologies and information sharing.

Monday, 9 June 2008

10:45-11:15

Challenges For Future Intelligence Analytics

Tilmann Gabriel, Program Manager Intelligence Platform, Nokia Siemens Networks

11:15-11:45

Internet Traffic Decoding - The Hard Truth And Possible Solutions

Alessandro Guida, Solutions Architect, ATIS Systems

13:15-13:45

Security In Lawful Interception

Rudolf Winschuh, Business Development Manger LIMS, Utimaco Safeware AG

13:45-14:15

Information Processing And Reporting

Tilmann Gabriel, Program Manager Intelligence Platform, Nokia Siemens Networks

14:45-15:45

Intelligence Gathering Guru

Panel Moderator: *Dr. Jerry Lucas, President, TeleStrategies*

Panel: *Tilman Gabriel, Program Manager, Nokia Siemens Networks*

Alexander Hoessrich, Managing Director, ATIS Systems

Praveen Kankariya, CEO, Clear-Trail Technologies

Vineet Sachdev, Sr. Director, SS8 Networks

Rudolf Winschuh, Business Development Manger LIMS, Utimaco Safeware AG

Karanvir Singh, President, KommLabs

16:15-16:45

7 Highly Effective Methods To Bypass And Evade Monitoring And Interception Systems

Karanvir Singh, President, KommLabs

16:45-17:15

The "8th Layer" - Unifying Communication Signal Sources And Applications On One

Platform

Alexander Hoessrich, Managing Director, ATIS System

Tuesday, 10 June 2008

8:30-9:00

Meeting LEA Challenges To Analyze Rapidly Changing Internet Content

Vineet Sachdev, Sr Director of Sales Support and Engineering, SS8 Networks

9:00-9:30

New Solutions For Massive Monitoring

Jean-Philippe Lelievre, Thales

10:00-10:30

SESSION A

Legal To Strategic , How To Aggregate Several Sensors In A Global System

Renaud Roques, Intelligence Products Manager, Amesys

SESSION B

Lifecycle Management For MC Customers

The services provided by Intelligence Solutions' unique Lifecycle Management unit for complete customer care are described. These include a true 24/7 hotline and helpdesk 365 days a year as operational center for coordinating all incidents globally. It provides instant access to all service levels as well as system pre-integration and installation on customer site including customer training. Preventive maintenance and software updates are other essential parts of the offer.

Ulf Hagemann, Customer Care Manager, Nokia Siemens Networks

10:30-11:00

SESSION A

Image Recognition Technique And Its Application In Lawful Intercept

Ling Dongsheng, Product Director, ZTE Corporation

SESSION B

Beyond Standard Active Monitoring

This presentation will cover a wide range of monitoring aspects that go beyond standardized active monitoring. It covers topics like satellite communication monitoring, service/passive monitoring, integration of surveillance equipment and communication data retention as well as location tracking of wireless communication. Another subject is the application of biometrics, classification and natural language processing for automated information assessment which can be successfully applied to greatly improve the efficiency of monitoring centers.

Manfred Bendisch, Product Manager Intelligence Platform, Nokia Siemens Networks

13:00-13:30

Monitoring Of High Density Satellite Based Personal Communications Systems - The Challenges

Richard Grundy, Surveillance Systems Engineering Manger, L-3 TRL

13:30-14:00

The Main Challenges Of Intercept And Monitoring In Satellite Communication Networks

Alexander Kovtonyuk, Delta SPE

14:30-15:30

Conducting Corruption Investigations Jointly With Telecom Operators And Vendors

Panel Moderator: *Kwok Man-Wai, Tony, SBS, IDS Former Deputy Commissioner and Head of Operations, Independent Commission Against Corruption (ICAC), Hong Kong (1996-2002)*

Police Col. Seehanat Prayoonrat, Deputy Secretary-General, Anti-Money Laundering Office, Government of Thailand

Arvinder Sambei, Amicus Legal Consultants, (Former Prosecutor, UK)

Martin Polaine, Amicus Legal Consultants, (Former Prosecutor, UK)

Mr Süleyman Aydın, Assistant Professor, Police Academy Directory, Ankara, Turkey

Commissioner Khumalo, Anti-Corruption Commission, Zimbabwe

16:00-16:30

Voice And Speech Analysis For Massive Interceptions

Angelo Ferraris, Govt. Intelligence Solutions, *Loquendo*

16:30-17:00

Facing Real World Challenges In Communications And Security Monitoring With Integrated Interception & Analysis Approach

Paolo Alessandro Mari- Marketing and Communications, *IPS Intelligence and Public Security*

Wednesday, 11 June 2008

8:30-9:00

SESSION A

Unified Interception & Location Platform For Law Enforcement And Intelligence Agencies

Uri Savoray, *Septier Communication*

8:30-9:00

SESSION B

Case Study Of Forensic Analysis In LEA Investigations

Emanuele Marcozzi, *AREA*

9:00-9:30

SESSION A

Do You Need To Retain The Complete Haystack To Find The Needle? What Is DDPI And How It Can Help You Find The Needle

Sandeep Saxena, Vice President, *KommLabs*

SESSION B

Real-Time Automatic Speaker Search In Telephone Channels

Ivan Siparov, Expert in Audio Acoustics, International Expert Training, *Speech Technology Center*

10:30-11:00

Challenges Of Monitoring Corporate Leased Line Networks: TDM & Packetized Traffic

Praveen Kankariya, Chairman, *ClearTrail Technologies*

11:00-11:30

VoIP Lawful Intercept: Comparing Technical Alternatives

Rhys Arkins, Technical Director, Asia Pacific, *AcmePacket*

Track 3: ISS For Data Retention And Regulatory Compliance

This track is for Telecom Operators and Law Enforcement, Intelligence and Defense Analysts who are responsible for Call Data Retention and Data Handoff.

Monday, 9 June 2008

10:45-11:15

Investigative Analysis And Intelligence Gathering Solutions

Vincent Barry, Vice President Sales and Marketing, *ThorpeGlen*

11:15-11:45

Utimaco Data Retention Suite

René Nitzinger, Product Manger LIMS, *Utimaco Safeware AG*

13:15-13:45

Next Generation Data Retention Systems: Bridging The Gap Between Data Retention And Data Analysis

The rapidly increasing volume of data and complexity of relationships between data types calls for a paradigm shift in data

retention systems with the goal to bridge the gap between data retention and data analysis. This session will examine the next generation of data retention solutions for Communications Services Providers and government entities.
*Mario Menè, Chief Technology Officer, **Intelligentias***

13:45-14:15

Mass Monitoring And Data Retention Solutions: Why Traditional Databases Fail.

*Manohar Katoch, Director, Business Development, **ClearTrail Technologies***

15:15-15:45

Data Retention For Intelligence Support Systems Market

*Andrea Fabrizi, General Manager, HP DRAGON, **Hewlett Packard Company***

16:15-17:15

Data Retention Guru Panel

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

Panel: *Joergen Axland, General Manager for Business Development and Strategy, **Nokia Siemens Networks**
Manohar Katoch, **Clear-Trail***

*Mario Menè, Chief Technology Officer, **Intelligentias***

*René Nitzinger, Product Manger LIMS, **Utimaco Safeware AG***

*Vincent Barry, Vice President Sales and Marketing, **ThorpeGlen***

*Andrea Fabrizi, General Manager, HP DRAGON, **Hewlett Packard Company***

Tuesday, 10 June 2008

8:30-9:00

Overview Of Identity Management Developments Relative To Law Enforcement Investigations And Intelligence Gathering

*Tony Rutkowski, Vice President Regulatory, **VeriSign***

9:00-9:30

Identity Management

*Sunil Singh, Vice President, **KommLabs***

10:00-11:00

Regulatory Challenges Roundtable Discussion

Panel of Telecom Regulators to be announced

13:00-13:30

The Challenges Of Collecting Data For Sophisticated And Nomadic Targets In Next-Generation Networks

*Joe Hogan, CTO, **Openet***

Training Track 4: 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.

Tuesday, 10 June 2008

8:30-9:30

SESSION A

Investigation And Profiling In P2P Networks

*Klaus Mochalski, CEO, **Ipoque***

SESSION B

Key Features And Customer Benefits Of The Intelligence Module System

*Manfred Bendisch, Product Manager Intelligence Platform, **Nokia Siemens Networks***

10:00-11:00

SESSION A

FinFisher: Next Generation IT Surveillance

MJM, IT Intrusion Expert, Gamma Group

SESSION B

Klarios Monitoring Centres - Creating Investigative Value Using Integrated Search And Analysis Functions

Alessandro Guida, Solutions Architect, ATIS System

13:00-14:00

SESSION A

Incorporating High-Accuracy Location Information Into Mobile Surveillance Strategies

Jeffrey F. Bull, Sr. Director of Product Marketing, Safety and Security, TruePosition

SESSION B

Two Analysis Scenarios

Manfred Bendisch, Product Manager Intelligence Platform, Nokia Siemens Networks

14:30-15:30

SESSION A

An Integrated Platform For Optimized LI

Emanuele Marcozzi, AREA

SESSION B

Distributed Voice Data Bank For Automatic Speaker Search And Identification

Julia Khitrova, VP Sales & Marketing, International Unified Speech Standards Co-Developer, Speech Projects Coordinator, Speech Technology Center

16:00-17:00

SESSION A

Mobile Surveillance, Location Technology And Satellite Monitoring - Demonstration

Vincent Barry, Vice President Sales and Marketing, ThorpeGlen

SESSION B

KommLabs Training

Session to be announced

SESSION C

HP Data Retention And Guardian Online (HP DRAGON) – Communications Data Retention Solution

Andrea Fabrizi, General Manager, HP DRAGON, Hewlett Packard Company

Wednesday, 11 June, 2008

8:30-9:30

SESSION A

Forensics On Emerging Applications

Ryan Washington, Crucial Security

SESSION B

Tactical System To Monitor Wi-Fi And Wired Network

Manohar Katoch, Director, Business Development, ClearTrail Technologies

SESSION C

Beyond Interception With GENESI® Platform

Paolo Alessandro Mari, IPS Intelligence & Public Security

10:30-11:00

SESSION A

Stumping The Police--"Anti-Forensics" Found In The Wild

Ryan Washington, Crucial Security

SESSION B

Klarios IDA - Retained Data Analysis As An Enhancement To The Klarios Monitoring Centre, Powered By InfoZoom

Nagui Erian, Business Development Manager, ATIS System

Training Track 5: Deployment & Integration Of Advanced Forensic Audio Signal Speech Processing, Biometric Speaker Identification & Video Enhancement Sessions (LEA And Government Only)

Host: DWR Network & Associates - Invited Experts in Field of Video Image Enhancement, Speaker Identification, Noise Signal Processing.

Monday, 9 June 2008

10:45-11:45

SESSION 1

Building A State-Of-Art Forensic Audio Video Forensic Laboratory. Laboratory Integration With Large Scale Biometric Speaker Identification Technologies Available Today.

Covering key areas of analysis of speech and video, this session would serve to provide a detailed insight as to how to build firstly, an advanced AV forensic processing laboratory capability and secondly, how to integrate this with both the telecommunication/internet monitoring center. Choosing component combinations of compatible technology and their integration with post processed monitoring center speaker output currently deployed on a national scale by key Agencies globally.

David Robinson, Consultant, Audio/Video Forensic Laboratory Design & Training

13:15-14:15

SESSION 2

Currently Deployed Field Proven Biometric Speaker Identification And Verification Technology. Integration Of Each Component Designed To Build An Advanced Intelligence Gathering Infrastructure

This presentation will cover all aspects of small, medium and large scale infrastructure deployment of the very latest Biometric Speaker Identification and Verification technology with particular emphasis on the integration requirements as well as automation and ease of use for Operators. The subject presented will span from National level Automatic Speaker Identification Systems, based on the current AFIS equivalent Gaussian LR model, to monitoring center integration of Biometric Speaker Spotting systems that are designed to reduce agency workload and increase the speed and accuracy of the intelligence gathering process. Also covered will be the use of highly accurate Forensic Laboratory Speaker Verification technology.

Dr. Emilio Martinez (PhD Physics) CEO, Agnitio SL

14:45-15:45

SESSION 3

Preparation And Submission Of Biometric Speaker Recognition Evidence Within A Court Environment. How To Develop The Case Based Around Scientific Gaussian LR Based Biometric Techniques.

In this session details on the current state-of-the-art approach to the area of speaker identification and verification will be presented: a combination of classical acoustic-phonetic and automatic methods. Special emphasis will be laid on the novel automatic tools that help speed up the identification process, particularly in cases involving large numbers of speech material and/or languages that are unknown to the investigators. Fast and accurate identification of Speakers is vital to both the Criminal Investigation environment as well as to the field of intelligence gathering where terrorist threats and other matters of national security have to be dealt with. For both environments this task requires tools and systems that are both language and text independent - and also highly accurate and based on scientific principles. Examples from cases in Germany and Norway will show how the new technology is accepted in court.

Prof. Dr. Hermann J. Künzel (PhD Phonetics - Head of Department of Phonetics, University of Marburg, Germany)

16:15-17:15

SESSION 4

Advances In The Extraction Of Enhanced Still Images From Video Source Materials.

Practical Approaches And Application Of Technology To The Intelligent Analysis Of Video.

Practical session focused on the real world of producing enhanced imagery from source Video materials. Areas covered include dealing with the issues related to File Importing, De-multiplexing and how to manage proprietary CCTV issues as well as globally pervasive consumer cell phone recording devices. Introduction of the latest technologies and approaches to the subject with particular emphasis on the choice of process parameter settings. Critical analytical considerations to be taken into account when approaching the enhancement requirement and the tools and understanding required to achieve the best possible results.

*Dr. Jeff Hunter (Bsc. Physics / PhD in Optics & Semiconductor Physics) **Director R & D Salient Stills Inc.***

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