

ISS World[®] EMEA

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

26-28 FEBRUARY 2008 • DUBAI, UAE

REGISTER →

Download Brochure

Agenda

Register

Sponsors/Exhibitors

Location

ISS World EMEA is the world's largest gathering of European, Middle East and African 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 LEA Handoff

[Conference Track 4](#)

ISS for Intelligent Video Surveillance and Content Analytics

[Conference Track 5](#)

LEA, Intelligence and Defense Analyst Training and Product Demonstration Track

[Conference Tutorial](#)

Keynote Sessions

Tuesday, 26 February 2008

8:30 – 8:45

Welcoming Remarks

Tatiana Lucas, ISS World Program Director

8:45 – 10:15

Overview Addresses

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

Dr. Jerry Lucas, President, TeleStrategies

Lawful Interception Industry Overview

Tony Rutkowski, Vice President Regulatory, VeriSign and President, Global LI Industry Forum

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.

Tuesday, 26 February 2008

10:45 - 11:45

Lawful Interception Guru Panel

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

Panel:

Joegen Axland, General Manager for Business Development and Strategy, **Nokia Siemens Networks**

Tony Rutkowski, Vice President Regulatory, **VeriSign** and President, **Global LI Industry Forum**

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

Rudolf Winschuh, Business Development Manager, **Utimaco Safeware**

Chris Macfarlane, President, **ETI Connect**

Praveen Kankariya, **Clear-Trail Technologies**

Keith Driver, Product Manager, **Telesoft Technologies**

Carlo Rogialli, CTO, **RCS**

Mark Chapin, **Pen-Link**

Karanvir Singh, President, **Kommlabs Dezign**

Otto K arm, CTO, **Group 2000 Nederland B.V.**

13:00 – 13:30

Challenges and Solutions for LI in Complex IP Networks

The session will focus on implementing LI for Data, with reference to T1.IAS. During the session different solutions will be presented and analyzed, thereby providing a pros and cons perspective on different approaches for implementing LI.

Chris Macfarlane, President, **ETI Connect**

13:30 – 14:00

Lawful Interception Challenges in the Fixed Mobile Convergence (FMC) Networks

As the next generation IMS networks are introduced, probably one of the most exciting services is the Fixed Mobile Convergence (FMC), where a subscriber with a dual-mode phone can access the cellular services using a WiFi hotspot. As these services are being implemented, carriers realize the challenges of meeting CALEA or other lawful intercept regulations. This session will take a close look at the FMC service, challenges for meeting the CALEA requirements and potential solutions.

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

14:30 – 15:00

Challenges of Monitoring Converged Networks—TDM and Packetized Traffic

Praveen Kankariya, **Clear-Trail**

15:00 – 15:30

How to meet Country-Specific Data Retention Requirements Cost-Effectively

Even though requirements for data retention solutions at a high-level appear to be pretty similar, the details do in fact substantially vary at country-level. This session describes how to meet the different data retention periods and destruction rules, varying auditing and reporting requirements and country-specific data enrichment rules. In particular, it considers how to implement a compliant solution in a cost-effective way, minimizing both CAPEX and OPEX.

Simo Salmensuu, Solution Manager, **Comptel**

16:00 – 16:30

Network Probes vs. mediation Devices: Complementary Approaches for a Complete Coverage of Lawful Interception Needs

Network probes and mediation devices are often seen as alternative methods for adding lawful interception capabilities to communication networks. Actually, only the sapient integration of both the technologies can deliver state-of-the-art and cost-effective Lawful Interception systems.

Carlo Rogialli, CTO, **RCS**

16:30 – 17:00

Monitoring and Lawful Interception: Technical and Political Challenges, Solutions for Active and Passive Interception

The quantum leap in the communication sector has changed the whole world: Our technical and political challenges are increasingly manifold. Preemptive security is a 'must,' but brings up a lot of questions. The presentation particularly addresses parties considering the introduction of active and passive lawful interception and monitoring. It gives enlightening answers and presents evolutionary and cost-effective solutions for voice and IP, designed by a global player who knows the needs and requirements of both agencies and network operators.

Peter Habertheuer, Head of Regional Sales, Nokia Siemens Networks

Wednesday, 27 February 2008

8:30 – 9:00

High-Performance LI with Deep Packet Inspection on Commodity Hardware

Lawful interception at multi-gigabit speeds has long been the domain of expensive dedicated hardware systems. This presentation will show how a high-performance deep packet inspection engine in off the shelf hardware can not only achieve the necessary performance, but also provide detailed statistics on the encountered traffic based on layer-7 classification. These statistics and log data are particularly useful for encrypted protocols such as Skype and BitTorrent which are usually beyond the scope of LI systems.

Klaus Mochalski, CEO, Ipoque

9:00 – 9:30

Conceptional Monitoring/ Interception Approach - LI Solutions and more

Today's and New Generation Networks (NGN,s) and old Lawful Interception Concepts = Mission Impossible
The Question is: How to deal with new speed dimensions and many new service types? Can we afford trying to use old approaches/standards for new network types and new services? Or is there a modern concept which allows to monitor and intercept in a very flexible and cost effective way? Yes, there is and the same concept can be used, if wanted, for many diff. other jobs to be done beside Monitoring/Interception.

Paul Hoffmann, CEO, GTEN

10:00 – 10:30 **SESSION A**

How to Meet New LI Needs

Hakan Jonasson, Senior Sales Manager, Regulatory Solutions, Ericsson

Sten Lundell, Senior Sales Manager, Regulatory Solutions, Ericsson

10:00 – 10:30 **SESSION B**

Lawful Interception Implementations Challenges: Real-life Cases

This session will tackle the Lawful Interception implementations challenges. The presenter will shed the light on real-life cases and how various obstacles have been overcome in each case. This will direct the audience focus to the key questions that should be considered in any Lawful Interception Implementation.

Mohamed Sedeek, General Manager, Telecom Business Unit, Giza Systems

10:30 – 11:00 **SESSION A**

Deep Packet Inspection for Layer 7 Intercept

This presentation will show and explain why only Deep Packet Inspection enables the extraction and correlation of IP data up to now inaccessible for Internet Interceptions. Indeed, such technology not only detects all the traffic, but also makes it possible to filter communications based on specific criteria (SIP number, IRC login, web URL, etc.), and provides law enforcement agencies with the necessary analytical tools capable of processing the information contained in the intercepted flows with total efficiency.

Patrick Paul, VP Customer Operations, Qosmos

13:00 – 13:30

Mobil Network Interception Standardization via 3GPP SA 3 LI

The presentation provides information about the interception solution for mobile networks. Showing the concepts of interception with the beginnings of GSM, with the first IP interception solution for GPRS and the first VoIP (SIP-IRI) LI standards. As future topics the current hot topics are handled.

Bernhard Spalt, Nokia Siemens Networks

13:30 – 14:00

Lawful Interception in the Evolving World of Telecom

This presentation will discuss lawful interception requirements and solutions.
Otto Kärn, CTO, Group 2000 Nederland B.V.

14:30 – 15:00

Passive Monitoring of Packet Telephony and Data Networks in the Core Network, and why Flexibility is Key

Keith Driver, Product Manager, Telesoft Technologies

15:00 – 15:30

LI-relevant Characteristics of IP-based Services

One of the main differences between IP-based services compared to traditional telecommunication services is the possibility that communication signalling and content are using different communication paths. The paths may even belong to different providers. This presentation first introduces into the LI-relevant differences between IP based services and traditional telecommunication. Then an overview of possible and actual regulatory approaches and their consequences is given. At last, solutions for the raised challenges are presented.

Rudolf Winschuh, Business Development Manager, Utimaco Safeware

16:00 – 16:30 **SESSION A**

Lawful Interception (LI) Bureau Model – How Network Operators can Rapidly Comply LI Legislative Requirements while Minimizing Investments

This session will discuss the main headings of Lawful Interception legislations and standardizations, explain the requirements from Law Enforcement Agencies, explore the Operators challenges and finally present how Network Operators can rapidly become LI compliant while minimizing investments through a low cost Bureau Model, with fast deployment and high customization capabilities. It will be presented a Brazilian VoIP case as example.

Mauricio Ibarra Dobes, Business Development Director, Suntech Intelligent Solutions

16:00 – 16:30 **SESSION B**

Passive Trunk Monitoring for GSM and PSTN Networks

Alper Tosun, BTT Bilgi Teknoloji Tasarım

16:30 – 17:00 **SESSION A**

LI - Balancing Data Requirements with Human and Organizational Requirements

Rapid proliferation of communication and increases in bandwidth are constant motivators for the industry; however technology must always complement user resources and capabilities. This session looks at how solutions constantly maintain focus on the final users and through user focus achieves the ultimate level of success.

Henrik Dalby Kristiansen, Market Analyst, ETI A/S

16:30 – 17:00 **SESSION B**

Prevent Loss of Revenue by Detecting and Mitigating Gray VoIP

Unauthorized voice over IP (VoIP) traffic is not only a major security concern but also a large source of lost revenue in countries where VoIP traffic is regulated. This presentation examines this problem and shows the different methods of finding and mitigating unauthorized VoIP traffic.

Joe Hess, Senior Product Manager, Narus

Thursday, 28 February 2008

8:30 – 9:00

Cost Effective LI Solutions for L.E.As & Small Telecom Operators

Karanvir Singh, President, Kommlabs

9:00 – 9:30

Lawful Intercept Challenges for Wi-MAX and Video Telephony

As in the past, new communication technologies are constantly appearing in carrier networks, two such technologies are Wi-MAX and Video Telephony. These technologies have been talked about for years but are finally getting to the point where they are going to be commercially available on a large scale. In this session we look at how they are going to affect current LI deployments, what new capabilities may need to be added and what impact carriers should expect.

Scott Coleman, Marketing Director, **SS8 Networks**

10:30 – 11:00

VoIP Lawful Intercept: Comparing Technical Alternatives

Lawful intercept, aka CALEA in the US, is now a required obligation of managed VoIP providers in the US and many other countries. The question now is "What is the most effective technical solution for supporting lawful intercepts?" This session will compare four solutions: Softswitch & router, Softswitch & media gateway, Softswitch & media server, Session border controller. The comparison will address many different requirements including: What solutions are appropriate for ITSP vs. facilities-based providers? What solution is most transparent to target suspects? What is best solution for conference calls? How can RFC2833 DTMF digits be extracted for media flows? What solution is most secure including protection from DoD/DDoS attacks?

*Ishai Rosmarin, Director of Sales, **AcmePacket***

11:00 – 11:30

"State of the Art" - LI and Security Technology. Value of existing standards and questions regarding possible future versions

The fast evolution and integration of networks, terminals and applications coupled with changes in users behaviors and requirements are applying pressures on viability of monitoring standards. Where should standards be effectively thought and applied? What do we need to Monitor? Who needs to Monitor? This session is supported by 25 years of network monitoring hands-on experience in different countries.

*Hisham El Manawy, COO, **GTE***

Track 2: ISS for Criminal Investigation and Intelligence Gathering

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

Tuesday, 26 February 2008

10:45 – 11:15

Intelligent Surveillance Service Platform – Object Oriented Surveillance Data and Content Warehousing for Criminal Investigation

The intelligent Surveillance Service Platform serves as an intelligent warehousing to collect, associate, manage and link all surveillance data and content, from Telco HI2 and HI3 to Video surveillance data and content.

Target or warrant and case, Telco product or session and IP address can all be defined as objects, the objects can be intelligently associated with temporal spatial parameters and content signatures mining from humongous surveillance data and content. The presentation shows the association provides forensic evidence for criminal investigation, many use cases has been proved as best practices.

*Dr. Spincer Koh, CEO, **Gorilla Science and Technology***

11:15 – 11:45

The "8th Layer" – Unifying Communication Signal Sources and Applications on One Platform

A wide range of communication media (access networks) is available to individuals and organisations, including, but not limited to, mobile networks (e.g. GSM/UMTS), fixed line networks, satellite networks (e.g. Thuraya, Inmarsat), the Internet (e.g. peer-to-peer VoIP services, email) and radio (HF, VHF and UHF). The challenge lies in bringing together the required interception and signal acquisition technologies in order to create a unified view by processing intercepted content on one centralised platform (e.g. signal classification, demodulation/decoding, speech processing), and thereby creating a standardised set of meta-data which provide the basis for advanced.

*Alexander Hoessrich, Managing Director, **ATIS***

*Dr. Hans-Joachim Kolb, **MEDAV***

13:00 – 14:00

Challenges for Future Intelligence Analysis

With Nokia Siemens Networks Intelligence Solutions the future has already begun... Enormous amounts of information – yesterday a bothersome burden for analysts and agencies, today and overwhelming challenge and tomorrow? Despite all legal limitations and compliances, disperse data can be compared to a buried

treasure. This presentation will deliver a realistic picture of today's and tomorrow's challenges as for preemptive security. Innovative ways of correlating and consolidating data from different sources with improved quality will be exemplified.

*Tilmann Gabriel, Program Manager Intelligence Platform, **Nokia Siemens Networks***

14:30 – 15:00

Overview of Identity Management Developments Relative to Law Enforcement Investigations and Intelligence Gathering

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

15:00 – 15:30

Managing the Different Investigative & Intelligence Gathering Solutions

*Karanvir Singh, President, **Kommlabs***

16:00 – 16:30

Meeting LEA Challenges to Analyze Rapidly Changing Internet Content

As larger and larger "pipes" connect subscribers to the internet, law enforcement is challenged to accurately and quickly identify useful and interesting information from the volumes of packets flowing to and from those subscribers. In this session we will look at ways to accomplish this through intelligently breaking down the information into relevant "buckets" that can classify the traffic and reduce the overall volume that law enforcement has to wade through. By eliminating or offloading types of information that aren't normally useful but may consume large amounts of bandwidth (songs, videos, movies etc.), law enforcement can focus on what is truly important.

*Kevin McTiernan, Senior Product Manager - Lawful Intercept, **SS8 Networks***

16:30 – 17:00

Intelligence Led Policing - The Scotland Yard Experience

London's Scotland Yard is recognised as a world leader in Police Intelligence activities. Renowned intelligence expert and ex - Detective Chief Inspector Peter Ship explains how Scotland Yard achieved the levels of excellence required to face today's Law Enforcement and Security threats.

*Peter Ship, **MEMEX Technology** (Retired Detective Chief Inspector - Scotland Yard, London)*

Wednesday, 27 February 2008

8:30 – 9:00 **SESSION A**

Real Time Capabilities for Speech Analysis

*Luciano Piovano, Government Intelligence Solutions, **Loquendo***

8:30 – 9:00 **SESSION B**

Presentation by Thales

9:00 – 9:30 **SESSION A**

Audio Analytics and the Opportunities it Brings

How do LEA's most effectively apply limited human analysis capabilities with some of the automated analysis tools such as speech to text, speaker ID and key word spotting? This paper discusses the importance of optimized recording with workflow management solutions to maximize the capability of automated analysis solutions and manual human expertise.

*Chris Brill, Managing Director, **AudioSoft***

9:00 – 9:30 **SESSION B**

Contextual and Content Based Analysis in Lawful Internet Interception

With the advent of data mining and business intelligence solutions, it is possible to carry out automated analysis of intercepted traffic beyond mere text or target identifiers. The challenge for law enforcement agencies is to find pieces of intelligent and actionable information from an overload of data. This session will provide inputs on the type and nature of context and content based analysis that can be done to facilitate easy detection. This session is oriented towards end users and will explain the concept and working methodologies while touching upon in brief the technologies involved.

*Rajat Mohanty, CEO, **Paladion Networks Private Limited***

10:00 – 10:30

Internet Traffic Decoding - the Hard Truth and Possible Solutions

Decoding and presentation of intercepted IP data communication is one of the key technological challenges facing law enforcement agencies today. Little has been said about how IP data decoding actually works and therefore this presentation shall provide an overview of available technologies/solutions and how their performance and quality compares.

Alessandro Guida, Solutions Architect, ATIS

Klaus Mochalski, CEO, ipoque

10:30 – 11:00

Fox Replay Analysis for Live Streaming High-Level and in-depth Interception Analysis

Gertjan Schuenmaker, Fox-it

13:00 – 13:30

Monitoring of Satellite based Personal Communication Systems

Modern satellite terminal systems make use of smaller spot beams, dynamic channel allocation and other features designed to make the system more efficient but in turn making life far more difficult for those developing equipment for interception and monitoring of these communication services. This session will address the challenges in providing capable solutions to meet monitoring and interception requirements.

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

13:30 – 14:00

The role of Passive Surveillance in a LI World

Marius Ackerman and Andre Scholts, VASTech

14:30 – 15:00

Remote Control System: A bugging device for computer crime investigations and intelligence collection

Hacking Team will be showcasing their intelligence solution - a stealth investigative tool for law enforcement agencies for computer's investigations. It's a highly innovative offensive-security system which, in specific circumstances, gives the possibility to put one or more target computers under control. It can monitor and log any action performed by means of a personal computer and communicate the collected information to the central station without being detected (like a spyware).

David Vincenzetti, co-founder & CEO, Hacking Team

15:00 – 15:30

Case Study of Forensic Analysis in LEA Investigation Activities for Patterns Identification

Andrea Formenti, CEO, AREA

16:00 – 16:30

LI Monitoring Center high scalability and reliability vs. Total Cost of Ownership reduction: a mission possible

Monitoring Centers usually are complex infrastructures made of a lot of HW and SW components to be integrated. Data retention, IP monitoring and other additional services are increasingly demanding IT resources. This session will show an example of Monitoring Center family designed to keep TCO low combined with a high degree of reliability

Paolo Mandelli, Sales Director, AREA

16:30 – 17:00

Prevention Strike “The Combination of Forensic Lab and Universal Monitoring solutions (voice, data)”

Anas Chbib, Managing Director, AGT Technologies

Thursday, 28 February 2008

8:30 – 9:00

Legal to Strategic and how to Aggregate with all other Captors

Renaud Roques, Amesys

9:00 – 9:30

Information Processing and Reporting

Three customers' scenarios have been chosen to illustrate the spectrum of the various benefits of Nokia Siemens Networks' Intelligence Platform™. As an 'all in-one-solutions' it provides the answer to any customer challenge in the context of preemptive security. By means of selected features like 'Behavior Profiling' and 'Social Network Analysis' the effective search for suspicious patterns will be explained.
Tilmann Gabriel, Program Manager Intelligence Platform™, Nokia Siemens Networks, Intelligence Solutions, Munich

10:30 – 11:00

Automatic Compliance Testing for Service and Subscriber Data Monitoring

This approach shows how to do a structured and complete test of subscriber and service level IP/data monitoring. Special focus is mandated in the Middle East with Arabic encodings, cross-pattern conversion and mass tests.

Lukas Grunwald, CTO, DN-Systems Enterprise Internet Solutions

11:00 – 11:30

Enterprise Security Monitoring Visualized

Your IT infrastructure produces huge amount of logging information of various types. Generally, one cannot count on the individual firewalls, servers, and applications having strong logging capabilities, nor are they able to confer with one-another on the importance of a group of logged events from disparate systems. This presentation will discuss a platform that can assist in identifying and investigating anomalous events among this glut of data. The goal of the platform discussed in the presentation is to improve the signal to noise ratio for the security analyst, and to allow him or her to more easily identify "real" threats from false alarms.

Faiz Ahmad Shuja, CEO, Rewterz

Track 3: ISS for Data Retention and LEA Handoff

This track is for Telecom Operators and Law Enforcement, Intelligence and Defense Analysts who are responsible for call data retention and data handoff.

Tuesday, 26 February 2008

10:45 – 11:45

European Directive on Retained Data and an Update on ETSI/TC LI

Peter Van der Arend, Chairman, ETSI LI and Royal KPN Netherlands

13:00 – 13:30

The Challenges of Collecting Data for Sophisticated and Nomadic Targets in Next-Generation Networks

Lawfully Authorized Electronic Surveillance (LAES) is challenging companies to retain data through various criteria, across multiple next-generation networks—not an easy task when considering the expansive subscriber bases and massive amounts of data traveling across a service provider network. Data comes with multiple and overlapping criteria including: IP address, MAC address, phone number, SIP URL and email. Add that to the multitude of next-generation networks many enterprises support—wireless, WiMAX, cable and IMS, to name a few—and even the best efforts to retain data can fall short. This session will acknowledge the ever-present challenges presented by LAES, and how service providers can streamline efforts to remain compliant and efficient with their data retention strategies.

Joe Hogan, CTO, Openet

13:30 – 14:00

Automatic Data Retention Solution – Securing Information in a Changeable World

Ericsson presents the fully automatic, well-proven, compliant Data Retention Solution (ADRS) that meets the operator's and authorities needs.

Kjell Yving, Senior Sales Manager, Data Retention, Ericsson

Pompeo Santoro, Strategic Product Manager, Data Retention, Ericsson

14:30 – 15:00

A Scalable and Affordable Approach to Data Retention and Retrieval

CopperEye and Sun have created the industry's first "plug and comply" appliance to satisfy the requirements of the European Union Data Retention Directive for Communication Service Providers. The Sun Secure Data

Retrieval Server is based on CopperEye Greenwich and deployed on the Sun Fire X4500 server. It handles up to two billion CDRs a day and provides a secure workflow-based query and retrieval system that ensures auditability. In spite of its small physical footprint and low power requirement, the appliance scales to handle the massive amounts of data typically found in criminal investigations and information gathering applications. The discussion will highlight customers who have benefited from the power and simplicity of this very affordable approach to data retention and retrieval.

*David Rhodes, UK-EMEA Sales Director, **CopperEye***

15:00 – 15:30

Lawful Interception, Data Retention, investigative Support and Googling: Four Different Ways to Deliver Nation Security

Today's technologies allow different approaches to the investigation of electronic communications, differing in functions, costs, extension and operation. A full understanding of the relevant application scenarios is fundamental to deliver the right investigation support and to effectively comply to national regulations.

*Carlo Rogialli, CTO, **RCS***

16:00 – 16:30

Data Retention and Archival: Challenges to scale with growing Bandwidth

*Manohar Katoch, **Clear-Trail***

16:30 – 17:00

The most Difficult Challenges of Data Retention for Service Providers with Pragmatic Recommendations

The emerging legislative requirements of data retention for communications service providers is extremely challenging due to the secure capture, immense storage and responsive query and reporting. There is a delicate balance between retention to meet both legislative and privacy requirements. The additional complexity related to the retention of IP data traffic and internal operational processes greatly adds to the challenge. This session will discuss the requirements with an emphasis on the the resulting, most difficult implications for service providers and offers pragmatic recommendations to meet current needs and addresses future possibilities.

*Nigel Upton, DRAGON/IUM General Manager, **Hewlett-Packard Company***

Wednesday, 27 February 2008

8:30 – 9:30

Data Retention Guru Panel

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

Panel:

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

*Carlo Rogialli, CTO, **RCS***

*Anatoly Korsakov, VP, **Mera Systems***

*Chris Macfarlane, President, **ETI Connect***

*Joegen Axland, General Manager for Business Development and Strategy, **Nokia Siemens Networks***

*Nigel Upton, DRAGON/IUM General Manager, **Hewlett-Packard Company***

*Manohar Katoch, **Clear-Trail***

10:00 – 10:30

Track Telecommunications Traffic

The TTT architecture for Lawful Interception, Data Retention and Fraud Detection to enable Middle East countries to improve homeland security.

*Alexandre de Lamaziere, Solution and Architect Consultant, **Aqsacom***

10:30 – 11:00

Different Methods of Data Retention, Compressing Data Methods vs Selective Retention, Acceptable Data Loss in Selective Retention

*Alla Elagina, Sales Director, **Mera Systems***

13:00 – 13:30

ThorpeGlen Solutions - Data Collectors and Concentrators – “how to manage billions of transactions per day without drowning in them

- Extracting data within legislative environment
- Satisfying the Telco Operator requirements
- Storage Management of billions of transactions
- Target data request/extraction process
- Target Monitoring in a Retained Data Environment – within legislative constraints
- Managing target “Profile” – spanning multiple devices, numbers. Data management - Connecting back into your favorite target management system

Vincent Barry, Vice President Sales and Marketing, ThorpeGlen

13:30 – 14:00

Practical Uses of Data Retention Services to Guide Live Lawful Interception

Exploiting data retention, by both Telecommunication and Internet Service Providers, can help you more effectively speed investigations, minimize investment of resources, and maximize the likelihood of success for live intercepts. This seminar will show how to cost-effectively automate the importing and analysis of historical telephone and packet-based communications. Analytical techniques that can be applied to transactional data, to effectively identify high-impact targets for live interception will be provided. Case Studies will also be used to illustrate the application and effectiveness of the analytical techniques.

Derek Teten, Business Development Manager, Pen-Link Ltd

14:30 – 15:00

Data Retention Low Cost Solutions – Optimizing Network Operator Investments with Low Cost Data Retention Solutions

This session will explore low cost Data Retention market trends and solutions’ main objectives. It will also be presented a low cost Data Retention solution and a benchmark comparing functionalities and capex reduction. The solution architecture and the implementation options will be discussed.

Benjamin Peña Isla, International Business & Strategic Alliances, Suntech Intelligent Solutions

15:00 – 15:30

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 Telcos, ISPs and government entities.

Mario Menè, Chief Technology Officer, Retentia

Thursday, 28 February 2008

10:30 – 11:30

Regional Developments on Lawful Interception

Panel Discussion

Samir Satchu, General Counsel & Head of Government Affairs, Telecom Development Company Afghanistan, Roshan

Mohamed Bouhelal, Regulatory Director, Kanartel, Sudan

Riad Bahsoun, Director General, TIT Lebanon

Other Panelists to be announced

Track 4: ISS for Intelligent Video Surveillance and Content Analytics

This track is for Law Enforcement, Intelligence and Defense Analysts with responsibilities for intelligent video surveillance, content analysis and image data mining.

Wednesday, 27 February 2008

13:00 – 13:30

Video Analytics: The State of the Art

ObjectVideo is the world market leader in video analytics software and is, therefore, in a good position to present a general discussion of video analytics technologies and products. This presentation describes video analytics: what it is; how it works; and where it can be applied. The presentation goes on to describe how

analytics technology is available in the market today and how it integrates with both new and legacy surveillance equipment and systems. Finally, the presentation provides a “buyers guide” for video analytics technology: video analytics fact and fiction; and some do’s and don’ts of video analytics.

*Dr. Alan J. Lipton, CTO, **ObjectVideo***

13:30 – 14:00

“Adding Smarts” to Video Surveillance

CCTV as made it into every day of our lives: Traffic, Financial Institutions, Airports, ATMs, Office Towers, Malls. However most implemented system today only provide basic multi-screen display and recording giving only limited value and return on investment to the application implementation. The introduction of “smarts” to video surveillance allows a whole new generation of capabilities of CCTV technology: Intrusion Detection, Equipment removal alerting, Access Control Tail gating prevention, Stationary vehicle alerting, Un-attended packages, Watch list monitoring (biometric face recognition) The combination of these technologies with modern CCTV brings generation of Homeland security capabilities and effectiveness.

*Jorge Sebastiao, CISSP, President and CEO, **ESGulf***

14:30 – 15:00

Using Search to Transform Surveillance and Investigations

Searchable Surveillance: The same search engine and analysis technologies that built the Internet are transforming security operations. These proven technologies are bringing massive efficiencies to traditional monitoring and investigative activities and hold the promise to wipe away many security risks thought previously to be intractable. This informative tutorial shows how search can transform surveillance operations and give investigators new tools in the fight against fraud, loss, and other crimes. Learn how search and facial surveillance is helping banks, retailers, commercial and government investigators identify and track suspects across locations, reduce investigation time, and collaborate with law enforcement to build enforceable cases. This session will include user case studies along with examples of search integrated with video management, transaction/POS, and access control.

*Stephen Russell, CEO, **3VR***

15:00 – 15:30

Ten Things to Know about Video Analytics

This session will address the top video analytics myths and misconceptions, what security professionals need to know about today’s evolving solutions and what the future holds for intelligence gathered from video analytic programs. Topics covered include technology challenges as well as innovations that are helping security organizations deploy analytics that are feasible, affordable and scalable.

*Gadi Talmon, Executive VP Business Development, Co-Founder, **Agent Video Intelligence***

16:00 – 17:00

Video Surveillance and Content Analytics Guru Panel

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

Panel:

*Dr. Alan J. Lipton, CTO, **ObjectVideo***

*Jorge Sebastiao, CISSP, President and CEO, **ESGulf***

*Stephen Russell, CEO, **3VR***

*Gadi Talmon, Executive VP Business Development, Co-Founder, **Agent Video Intelligence***

Thursday, 28 February 2008

8:30 – 9:00

Activity-Based Forensic Analysis of Unstructured Video Data

Video surveillance systems are one of the largest sources of unstructured surveillance data content. Traditional video archiving and retrieval tools are often geared towards text-based or speech-based video archiving retrieval; and have limited utility for unstructured surveillance video data. This presentation describes how video analytics technology can be used to efficiently extract relevant information from large quantities of archived video data. The presentation covers two approaches for data retrieval: activity-based archiving and retrieval; and automated activity learning. Activity-based archiving and retrieval employs video analytics meta-data tagging of video to extract user-prescribed activities of interest such as illegally parked vehicles; human intrusion detection; and suspicious behaviors such as loitering around secure areas. Automated activity learning uses artificial intelligence (AI) techniques for extracting “unusual” events from unstructured video data – events that could not be prescribed ahead of time.

Dr. Alan J. Lipton, CTO, **ObjectVideo**

9:00 – 9:30

Intelligent Video Surveillance Solutions: The state of Surveillance Today

The state of surveillance today, its challenges, new trend, role of analytics, actual product demo, case study of how to implement security for various specific situations, and challenges of video analytics based intelligent solutions that need to be addressed”.

Pranav Shah, eInfochips

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.

Tuesday, 26 February 2008

10:45 – 11:45 **SESSION A**

Cyber Executive Seminar for LEA

In this session will be examined the nature of cyber terrorism, the groups that have the potential to conduct cyber terror operations, cyber terror tactics, and potential targets. Also this session will address issues related to the ability of law enforcement, the judiciary, legislative components, and other critical actors to identify, prevent, investigate and prosecute cyber-related acts of crime and terrorism.

Veli Ozdemir, Major, Intelligence Department, Informatics Technologies Division, Turkish National Police

10:45 – 11:45 **SESSION B**

The Critical Steps for Setting up a Successful Lawful Interception Program

This session will cover the challenges of working with service providers to obtain call content and data, transport from the service provider to the monitoring facility, and utilizing networking to cost-effectively collect and disseminate data for judicial and intelligence analysis.

Mark Chapin, Director of Engineering, Pen-Link

13:00 – 14:00 **SESSION A**

Computer Forensics and Digital Investigation Training

Understanding the Digital Forensics process, the Digital investigation flow chart, issues related to Computer Forensics, tools and processes associated with computer forensics.

Samir Datt, Director, Computer Forensics & Digital Investigations, ForensicsGuru.com

13:00 – 13:30 **SESSION B**

Klarios® IDA-Retained Data Analysis as an Enhancement to the Klarios Monitoring Centre, Powered by InfoZoom

Data Retention laws/regulations make large repositories of historical data available to law enforcement, yet without any integrated analysis or evaluation functions. Adding data retention interfaces (RDHI) to the Klarios(r) Monitoring Centre and correlating historical data with lawful interception data/records opens up a world of opportunity in intelligence gathering. This presentation will focus on how Klarios(r) IDA can be used as a powerful analysis tool to bridge the gap between retained data and lawful interception content.

Nagui Erian, Business Development Manager, ATIS

13:30 – 14:00 **SESSION B**

Klarios® Monitoring Centers – Creating Investigative Value Using Integrated Search and Analysis Functions

Data search and analysis solutions are rapidly gaining popularity, not only in the lawful interception world, as they introduce content awareness into the traditional data warehousing environment. This presentation provides an overview of how these technologies are integrated in Klarios(r) Monitoring Centre solutions and how these can add value to the investigative process.

Alessandro Guida, Solutions Architect, ATIS

14:30 – 15:30 **SESSION A**

The Role of Electronic Forensic Science in Police Work

Alan Matthews, MCIPR, The Forensic Science Service

14:30 – 15:30 **SESSION B**

Two Analysis Scenarios

Based on two examples this presentation will compare and highlight the different tactical and strategic approaches of a target-oriented and threat-oriented analysis performed with a state-of-the-art technology by Nokia Siemens Networks' Intelligence Platform™. This platform has been designed to provide complete intelligence analysis solutions for all government and intelligence agencies, also in a generalized Homeland Security context.

Tilmann Gabriel, Program Manager Intelligence Platform™, Nokia Siemens Networks, Intelligence Solutions, Munich

16:00 – 17:00 **SESSION A**

Solving LI Challenges for Packet Switched Networks

This session will focus on present and future LI requirements and solutions available for packet switched networks. The session will have a conceptual focus on requirements and solutions for end-to-end LI of NGN and NGVN.

Kim Larsen, Business Development Director, ETI A/S

16:00 – 17:00 **SESSION B**

Extracting intelligence from Call Data Records, SMS and Location Tracking – with minimal impact on Telco Operators

This session will demonstrate a system that can manage the extraction, storage of billions of CDR's per day. With our LEA system LEA's can remotely request specific CDR/SMS for relationship, location information and develop a Profile of specific target subscribers, then use that profile as a Call Fingerprint to detect that unique pattern in billions of CDR/SMS records within many Telco Operators data as that target changes his SIM and handset. Our large scale Systems are already deployed in several countries. We will demonstrate the value to Law Enforcement and Homeland Security and describe how it works.

Vincent Barry, Vice President Sales and Marketing, ThorpeGlen

Wednesday, 27 February 2008

8:30 – 9:30 **SESSION A**

Next Generation PC Surveillance - Design and Implementation of Advanced Techniques

A wide range of different surveillance techniques for use with personal computers will be addressed including communication monitoring and location tracking. In addition, technical problems and solutions in this context in terms of Anti-Virus / Firewall blocking, communication through different network layouts, detection prevention and others will be presented.

MJM, IT Intrusion Expert, Gamma Group

8:30 – 9:30 **SESSION B**

Intelligence Gathering Product Demonstration

Marius Ackerman and Andre Scholts, VASTech

10:00 – 11:00 **SESSION A**

Advanced Targeting Methods for IP Traffic Analysis and Investigations in Tactical Environment

Carlo Rogialli, CTO, RCS

10:00 – 11:00 **SESSION B**

Key Features and Customer Benefits of the Intelligence Module System

How can agencies and analysts tackle the rising tide of information, coming in every second, in a minimum of time with a maximum of efficiency? With their sophisticated Intelligence Module System, such as Speaker Recognition, Language ID and Document Classification, Nokia Siemens Networks help their customers to automatically identify and simultaneously specify the incoming data according to its most important content and specific significance. Thus the Intelligence Module System does not only support the activities of the individual agent but also contributes to the effectiveness of the entire agency.

Manfred Bendisch, Product Manager Intelligence Platform, Nokia Siemens Networks

13:00 – 14:00 **SESSION A**

Investigation and Profiling in P2P Networks

P2P networks are widely know to be massively used to exchange copyright-protected content. While this is certainly of interest to law enforcement agents, their use for the exchange of information related to terrorism

or child pornography is much more significant.

We present our unique P2P investigation system with a proven record in court-proof investigation of copyright infringements in file sharing networks. We show how this system can be deployed to profile and investigate the use of P2P networks by criminals trying to covertly exchange information.

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

13:00 – 14:00 **SESSION B**

Incorporating High-Accuracy Location Information into Mobile Surveillance Strategies

Mobile surveillance systems can be greatly enhanced through incorporation of high-accuracy location technology. In this presentation we will describe a comprehensive mobile surveillance system that utilizes high accuracy location technology for real-time tracking of any mobile utilizing the network. Furthermore, additional benefits of high-accuracy location technology will be described such as location-based denial-of-service.

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

14:30 – 15:30 **SESSION A**

Geometrix® (Mobile Phone Location Based Services Technology & Applications for Public Safety, National Security & Commercial Services)

Geometrix® is the state-of-the-art mobile location solution that can provide optimum support for all mobile phone location-enhanced applications. Each location-sensitive service or application presents its own challenges in terms of required location accuracy, latency, reliability, cost tolerance, and other parameters. Similarly, each mobile locating technology has its own attributes and limitations in terms of performance, cost, and deployment requirements. Andrew Corporation will provide an overview of location technologies and their security application.

*Malik Ishak, Director, Business Development, Middle East & Africa, **Andrew Network Solutions***

16:00 – 17:00 **SESSION A**

Real Time Speedy Analysis Product Demonstration

*Piovano Luciano, Government Intelligence Solutions, **Loquendo***

16:00 – 17:00 **SESSION B**

Remote Control System: A bugging device for computer crime investigations and intelligence collection

Hacking Team will set up a live demonstration of their stealth computer monitoring and intelligence solution.

*Valeriano Bedeschi, founder & Partner, **Hacking Team***

Thursday, 28 February 2008

8:30 – 9:30 **SESSION A**

MCR System: an Integrated Platform for Optimized LI

AREA will present the MCR System: a new generation Monitoring Center for Voice and IP built on a fully integrated software application which includes a graphic tool to analyze all the recorded data coming from various sources. An IP parametric interception application for Intelligence purposes is also showed

*Emanuele Marcozzi, Product Manager, **AREA***

8:30 – 9:30 **SESSION B**

Introduction to Wireless Location Signatures™ (WLS) technology -- The industry's highest performance and easiest to deploy wireless location technology for Public Safety, Security, and Surveillance Applications

Polaris Wireless is a global leader in providing high accuracy, software-only, location systems for emergency services, public safety, security and surveillance applications and location-based services. Polaris' patented WLS technology can be used for locating and tracking individual users, groups of users or all users in bulk, across all environments, including indoors, making it extremely compelling for demanding safety, security and surveillance applications.

*Bhavin Shah, Director of Marketing and Business Development, **Polaris Wireless, Inc.***

10:30 – 11:30 **SESSION A**

IP Location Tracking and Lawful Interception for Next Generation Network

LI over IP services has been always a challenge on its' effectiveness, an interactive IP location tracking with lawful interception architecture has been implemented and proved to improve the overall effectiveness. This

presentation offers effective way for the Telco transition to next generation network.
Dr. Spincer Koh, CEO, Gorilla Science and Technology

10:30 – 11:30 **SESSION B**

Experiences in Global Telecommunications Criminal Investigations

Alexander Ramos, Computer Forensics Analyst, Philippine National Police

13:00 – 16:00

Cell Phone Call and Cell Tower Records for Investigators

In this session we will demonstrate to investigators how to use our proprietary analysis paradigm (LAB Analysis) to analyze cell phone call records, and how to plot the results of their analysis onto a map to make their analysis presentation ready.

- Introduction and brief history of the company
- Real world case review: Burglary of a retail shop
- Basic Cellular Network Architecture Review
- The Anatomy of Call Detail Records
- Introduction to LAB Analysis © (Locations, Associations, Behaviors)
- Introduction to Spreadsheet Analysis of Call Detail Records
- Introduction to Mapping Software
- Putting it All Together: The Completed Analysis
- Open Forum for Questions and Answers

Brent Bailey, Cellular Data Resources

**Conference Tutorial
(Open to All Attendees)**

Thursday, 28 February 2008

Investigations Involving the Internet and Packet Data Communications

Matthew Lucas (Ph.D., Computer Science), Vice President, TeleStrategies

8:30 – 9:30

What Investigators Have to Know about IP Call Identifying Information and Tracking an Internet Address to a Source

10:30 – 11:30

Investigations Involving E-Mail, Websites, Instant Messaging, Chat Rooms and Message Boards

13:00 – 14:15

What Investigators Have to Know about Telecom Operator Packet Activity Reporting, Port Information, CII, Timestamps, SIP, and IP Tapping

14:30 – 16:00

Investigations involving Peer to Peer File Sharing Networks, File Transfer Protocols, Gnutella, BitTorrent, eDonkey, Skype Issues and Deep Packet Investigation

All Contents Copyright © 2007-2008

TeleStrategies, Inc.

7918 Jones Branch Dr., 3rd Floor

McLean, VA 22102

voice: 703-734-7050 fax: 703-893-3197