TeleStrategies®

ISSWorld® *Europe*

Intelligence Support Systems for Electronic Surveillance, Social Media/DarkNet Monitoring and Cyber Crime Investigations

5-7 JUNE 2018 • CLARION CONGRESS HOTEL • PRAGUE, CZ

Anti-Money Laundering (AML)

Defeating Encryption / IT Intrusion

Bitcoin Blockchain Analysis

Mobile Intercept & Tracking

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

Social Media Monitoring

TOR / DarkNet Traceback

Associate Lead Sponsors

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155 LEA/Interior/DoD Training Sessions and Courses to Choose From

ISSWorld® Europe

Intelligence Support Systems for Electronic Surveillance, Social Media/DarkNet Monitoring and Cyber Crime Investigations

5-7 JUNE 2018 • CLARION CONGRESS HOTEL • PRAGUE, CZ

ISS World Europe is the world's largest gathering of Regional Law Enforcement, Intelligence and Homeland Security Analysts, Telecoms as well as Financial Crime Investigators responsible for Cyber Crime Investigation, Electronic Surveillance and Intelligence Gathering.

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

Track 1
Lawful Interception and Criminal Investigation Training

Track 2
Defeating Encryption with IT Intrusion and Quantum Computing

Track 3
LEA, Defense and Intelligence Analyst Product Demonstrations

Track 4
Social Network/DarkNet Monitoring and Data Analytics Product Training

Track 5
Mobile Signal Intercept and Electronic Surveillance Product Demonstrations

Track 6
Investigating Dark Webs, Bitcoin, Altcoin and Blockchain Transactions

Track 7
Financial Crime: Prevention, Detection and Investigation

ISS World Europe Exhibit Hours

Wednesday, 6 June 2018:
10:00 - 18:00

Thursday, 7 June 2018:
9:30 - 12:30

ISS WORLD EUROPE 2018

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

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

- **Charles Cohen**, Cohen Training and Consulting, LLC, also holds the position of Captain, Office of Intelligence & Investigative Technologies, **Indiana State Police, USA** (6 classroom hours)
- **Mark Bentley,** Communications Data Expert, National Cyber Crime Law Enforcement, **UK Police** (6 classroom hours)
- **Michael Loughnane**, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer (6 classroom hours)
- **Jerry Lucas** (Ph.D., Physics), President, **TeleStrategies** (4 classroom hours)
- **Matthew Lucas** (Ph.D., Computer Science), Vice President, **TeleStrategies** (3 classroom hours)
- **Vladimir Vesely**, (Ph.D, Computer Science), Researcher, FIT-BUT, **Brno University of Technology** (2 classroom hours)
- **Stephen Arnold**, Managing Partner, **Arnold.IT** (2 classroom hours)

Tuesday, 5 June 2018

SEMINAR #1

09:00-10:00
Online Social Media and Internet Investigations
- Presented by: Charles Cohen, **Cohen Training and Consulting, LLC**
Charles Cohen also holds the position of Captain, Cyber Crimes Investigative Technologies Section, Indiana State Police, USA

09:00-10:00
The role of Online Social Media OSINT in Predicting and Interdicting Spree Killings: Case Studies and Analysis

10:15-11:15
OSINT and Criminal Investigations

11:30-12:30
Metadata Exploitation in Criminal Investigations

13:30-14:30
EXIF Tags and Geolocation of Devices for Investigations and Operational Security

14:45-15:45
Case Studies in Metadata Vulnerability Exploitation and Facial Recognition

16:00-17:00
What Investigators Need to Know about Emerging Technologies Used to Hide on the Internet

SEMINAR #2

9:00-17:00
Practitioners Guide to Internet Investigations
- Presented by: Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, **UK Police**

The aim of this 1 day seminar is to take the attendees from the basics of understanding the Internet, how to find data, through to a full understanding of best practice of an Internet investigator, having awareness and knowledge of all the tools available to achieve this. It is aimed primarily at the investigator, delivered from the perspective of detective, to empower them to have the best methodology and tradecraft to profile and catch suspects. This is exclusively Law Enforcement only, as Practical examples, covert and investigative methodology and tradecraft will be given throughout the seminar.

09:00-10:00
The Internet, and how suspects leave a Digital Footprint

10:15-11:15
Recognizing Traffic Data and digital profiling

11:30-12:30
WIFI, geolocation, and Mobile Data traces

13:30-14:30
Awareness of Emerging Technologies, Masking Tech and Tools, TOR and proxies

14:45-15:45
Advanced Techniques in Tracing Suspects, and lateral problem solving

16:00- 17:00
Open Source Tools, resources and techniques

SEMINAR #3

09:00-17:00
Concerns and Considerations in Financial Crime Investigations
- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year **US Federal Law Enforcement Officer**

09:00-10:00
Criminal Essentials: The Needs of a Successful Illicit Network

10:15-11:15
Illicit Schemes: Money Laundering and Terror Finance: Similarities and Differences

11:30-12:30
Trade Based Money Laundering Techniques: Red Flags for Investigators

13:30-14:30
World Finance Basics 1: How Investigators Can "Follow the Money": FedWIRE, Clearing Houses, and SWIFT

14:45-15:45
World Finance Basics 2: Hawala, Red SIMS, and Alternate Remittance Systems

16:00-17:00
Financial Investigation Case Planning: Application of Critical Thinking to your Case

To Review Complete Agenda or To Register, Go To WWW.ISSWORLDTRAINING.COM

ISSWorld® Europe

**Intelligence Support Systems
for Electronic Surveillance,
Social Media/DarkNet Monitoring
and Cyber Crime Investigations**

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SEMINAR #4

09:00-12:30

Understanding ISS Technologies and Products Deployed in Telecommunications Networks for Lawful Interception and Mass Surveillance

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

This half-day seminar covers how criminals and terrorists communicate over today's public telecommunications wireline and wireless networks, over the top Internet services and social networks. This seminar is ideal for law enforcement, interior security, public safety and others who need to understand the ISS technologies and products used to lawfully intercept electronic communications and conduct mass network surveillance as discussed at ISS World Conference sessions and by exhibitors.

9:00-10:00

Introduction to Wireline and IP Infrastructure and Related ISS Products for Lawful Interception and Mass Surveillance

10:15-11:15

Understanding Mobile Wireless Infrastructure, and Related ISS Products for Lawful Interception and Mass Surveillance

11:30-12:30

Understanding Internet Infrastructure and Related ISS Products for Mass Intelligence Gathering and Surveillance

SEMINAR #5

9:00-10:00

Cryptocurrency 101: Introduction to What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis

- Presented by: Dr. Matthew Lucas, Vice President, **TeleStrategies**

This 101 training seminar is an introduction to Bitcoin, how the system is used to support criminal activities (e.g. Dark Web) and why technical investigators need to understand the basic Bitcoin transaction mechanism (Blockchain) to successfully defeat 21st century criminals and terrorist actions. Specifically, this introduction to Bitcoin for technical investigators addresses:

SEMINAR #6

14:45-15:45

Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations

- Presented by: Matthew Lucas, (Ph.D Computer Science), VP, **TeleStrategies**

TOR networks are notoriously effective at hiding the online identity of criminals, terrorists and others who are up to no good. The other side that receives less attention are TOR hidden services. These are services that leverage TOR's anonymizing capabilities to mask the identity of criminally-hosted online services - forming the basis of just about all illegal gambling sites, drug markets, child exploitation material, firearm sales, terrorism propaganda, and more.

- How TOR hides IP addresses/identity/location
- TOR hosting, What is .ONION and content analysis

SEMINAR # 7

16:00-17:00

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

- Presented by: Dr. Matthew Lucas (Ph.D Computer Science), Vice President, **TeleStrategies**

The starting point to defeating encryption is to separate techniques addressing stored encrypted data such as with the Apple iPhone issue. The other challenge is defeating encrypted data in transit (e.g. Telegram, Whatsapp, etc.) or Network Encryption. This webinar is about defeating the later.

When it comes to defeating network encryption the technical community separates into two camps. Those who want to impede law enforcement and the government intelligence community from defeating network encryption: IETF, Silicon Valley and hundreds of third party encryption services. And your camp, those who want to investigate criminals and terrorist group who depend on network encryption.

Wednesday, 6 June 2018

SEMINAR #8

16:45-17:45

Encrypted Messaging: Techniques and Tools for Exposing Bad Actors Who Use Next-Generation Communication Methods

- Presented by: Stephen Arnold, Managing Partner, **Arnold.IT**

Thursday, 7 June 2018

SEMINAR #9

10:30-11:30

Defeating Encryption with Quantum Computers: Myths vs. Realities for Cyber Security Decision Makers

- Presented by: Jerry Lucas, (Ph.D, Physics) President, **TeleStrategies**

Quantum Computers will defeat key components of today's cryptography. It's not a question of "if", it's a question of "when". This seminar addresses:

1. How quantum computers will defeat today's PKI, Symmetric Key Encryption and Blockchain 2.0 Hashing and when. Light on quantum physics and math.
2. Not all quantum computers are being designed to defeat encryption and why "nation state" quantum computer are.
3. What are the "quantum safe" options specifically QKD and QSA and how realistic and/or expensive.

SEMINAR #10

16:45-17:45

TLS/SSL Decryption Workshop

- Presented by: Vladimir Vesely, Researcher, FIT-BUT, **Brno University of Technology**

The presentation introduces methods how to decrypt TLS/SSL connection. Focus is on man-in-middle attack employing TLS/SSL proxy and other ways how to obtain session's private keys. Speaker will demonstrate how to decrypt intercepted traffic using open-source tools like Wireshark and NetFox Detective.

SEMINAR #11

12:00-13:00

Cryptocurrency Forensics Utilizing a Multi-currency Blockchain Explorer

- Presented by: Vladimir Vesely, Researcher, FIT-BUT, **Brno University of Technology**

Demonstration of a multi-currency blockchain explorer

SEMINAR #12

12:00-13:00

Identifying a Bad Actor Using the Dark Web, i2p, and Other Methods of Hiding "True Identity"

- Presented by: Stephen Arnold, Managing Partner, **Arnold.IT**

Wednesday, 6 June 2018
Welcoming Remarks

8:15-8:30

Welcome Remarks

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

8:30-9:00

Top Ten Internet Challenges Facing Law Enforcement and the Intelligence Community and Who at ISS World Europe has Solutions

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

Track 1

Lawful Interception and Criminal Investigation Training

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

Tuesday, 5 June 2018

16:00-17:00
LI/RD Standards Update

- Gerald McQuaid, Chairman, **ETSI/TC LI**
- Alex Leadbeater, Chairman, **3GPP SA3LI**
- Carmine Rizzo, **ETSI**

Wednesday, 6 June 2018

9:00-10:00
Current and Future Standardization Challenges: Encryption, Network Function Virtualization, Cloud Computing and More

- Alex Leadbeater, Chairman, SA3 LI and EU Data Retention Compliance Manager, **BT**

11:30-12:00
Legal Monitoring of Internet-of-Things (IOT)

- Presented by **Utimaco TS GmbH**

12:00-12:30
Challenging the status quo-Investigations in an encrypted world

- Alexander Müler & Irina Palade, **Rohde Schwartz**

14:00-14:30
"Vitok-CLUSTER":NoSQL database intended for specialized processing of the information coming from high-speed communication channels
- Presented by NORSI-TRANS

14:30-15:00
Magen-apps and cloud interception
- Presented by MA Gen

15:30-16:30
Vlatacom Solutions for Secure Information Sharing Over the Cloud
- Presented by Vlatacom

16:45-17:15
Challenges facing Operators and LEA's: Interception of 10K+ targets on 100G networks and beyond
- Presented by Matison - Sedam IT d.o.o

Thursday, 7 June 2018

8:30-9:00
Carrier-in-Carrier VSAT Interception
- Ralf Klaassen, Rohde&Schwarz

9:00-9:30
100% Signal Visibility within next generation
- Presented by Lumacron

10:30-11:00
Implementing lambda architecture with Vitok-Cluster for real-time analytics and batch processing for data mining queries
- Presented by NORSI-TRANS

10:30-11:30 `SESSION B`
Defeating Encryption with Quantum Computers: Myths vs. Realities for Cyber Security Decision Makers
- Presented by: Jerry Lucas, (Ph.D, Physics) President, TeleStrategies

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Track 2

Defeating Encryption with IT Intrusion Products and Quantum Computing

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

Tuesday, 5 June 2018

10:15-11:15
Cyber Solutions for The Fight Against Crime
- Presented by FinFisher

11:30-12:30
Real-Life practical IT Intelligence Operations
- Presented by FinFisher

16:00-17:00
Defeating Network Encryption: What Law Enforcement and The Intelligence Community Needs to Understand
- Presented by: Dr. Matthew Lucas (Ph.D Computer Science), Vice President, TeleStrategies

Wednesday, 6 June 2018

9:00-10:00
Wintego: Your Long-Term Cyber Intelligence Partner
- Presented by Wintego

11:30-12:30
Strategic and Tactical Wi-Fi Surveillance
- Presented by FinFisher

14:00-15:00 `SESSION A`
Cyber Intelligence Solutions – How to uncover illicit activities
- Presented by Merlinx Ltd.

14:00-15:00 `SESSION B`
SkyFall – Revolutionary system for Remote Access and Control of Private Networks
- Presented by ThetaByte Technologies

16:45-17:45
TLS/SSL Decryption Workshop
- Vladimir Vesely, Researcher, FIT-BUT, Brno University of Technology

15:30-16:30
The Aerial Robotics Revolution of MITM Attacks
- Presented by CIS Technologies

Track 3

LEA, Defense and Intelligence Analyst Training and Product Demonstrations

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

Tuesday, 5 June 2018

13:30-14:30
How tactical sensing devices can provide a value add for SIGINT intercept and quality assurance.
- Presented by Group 2000 Nederland B.V.

Wednesday, 6 June 2018

9:00-10:00 `SESSION A`
Lawful Interception in 2018. VoLTE and encrypted services like Facebook, WhatsApp and Telegram. How Social Media Intelligence benefits investigators in a holistic vision
- Presented by IPS

9:00-10:00 `SESSION B`
LIVE DEMO: Biometric Voice Recognition System to identify people in phone calls, videos and social media
- Presented by ATIS

9:00-10:00 `SESSION C`
The Matrix Concept – How to produce actionable intelligence based on innovative gathering and analysis tools
- Presented by Rayzone Group

11:30-12:30 `SESSION A`
Latest updates on Forensic Investigator Toolbox
- Presented by AREA

11:30-12:00 `SESSION B`
How to quickly and efficiently identify suspects
Live demonstration analyzing complex data generated from multiple monitoring centers
- Presented by Trovicor

12:00-12:30 `SESSION B`
Real-time target location tracking
Live demonstration detailing how to generate intelligence from location information
- Presented by Trovicor

14:00-15:00 `SESSION A`
Language Technology Solutions for Big Data Analytics & Intelligence. How to understand your target in any language
- Patrick Vanderper, SDL

14:00-15:00 `SESSION B`
Generate powerful evidences from PCAP, CDR/IPDR and Social Media, all from a single interface.
- Presented by ClearTrail Technologies

15:30-16:30 `SESSION A`
Big Data and Machine Learning for Intelligence: Cerebro NG
- Presented by Advanced Systems

15:30-16:00 `SESSION B`
Let's Speak Intelligence –Monitoring Online Radicalization and Terror Financing
- Presented by Verint

16:00-16:30 `SESSION B`
Transnational Terrorism – An Intelligence Journey Toward a Safer World
- Presented by Verint

Thursday, 7 June 2018

8:30-9:00 `SESSION A`
Router based interception – novel perception of remote interception from targeted networks
- Presented by Rayzone Group

9:00-9:30 `SESSION A`
Global SIGINT interception – creating leads for investigation based on global digital footprint
- Presented by Rayzone Group

10:30-11:00 `SESSION A`
Automatic Anomaly Detection: Recognizing pattern changes in targets' activities
- Presented by Trovicor

10:30-11:30
SDN Delivers Services Differentiation
- Presented by STORDIS GmbH

12:00-13:00
Massive Investigation, with a care for privacy: Carrier Grade Nat disambiguation and Rich IPDRs Analysis
- Presented by AREA

Track 4

Social Network / Dark Web Monitoring and Analytics Product Training

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

Tuesday, 5 June 2018

9:00-10:00
Facilitating the Analyst's Work through Automation of Deep and Dark Web Harvesting
- Volker Pauli, Manager, Sales Engineering, Kofax Deutschland AG

9:00-9:30 `SESSION B`
Web Intelligence: Taking Advantage of the World's Largest Source of Clues
- Presented by Verint

10:15-11:15
How to Prevent Account Takeover in Today's Changing Cyber Landscape
- Presented by 4iQ

11:30-12:00
Propaganda 4.0: is fake news really so new? A journey through the tools of OSINT
- Presented by Gamma Group

11:30-12:30
Handling Cyber Crime Dark Web Automatic Analytics
- Presented by **MER Group**

12:00-12:30
Evidence-based, operational mission management - from the simple to the sophisticated
- Presented by **Gamma Group**

13:30-14:30 `SESSION A`
AI Powered Web Intelligence
- Presented by **Cobwebs Technologies**

13:30-14:30 `SESSION B`
Forensic Investigations in Telecom Data Lakes: from CDR Analysis to Coherent Data Mining
- Presented by **Baltinfocom**

14:45-15:45 `SESSION A`
Advanced analytics and identification through processing of social networks, audio sources and video surveillance
- Presented by **everis**

14:45-15:45 `SESSION B`
Changing the world of geolocation for all generations using big data approach
- Presented by **WaveGuard**

16:00-17:00 `SESSION A`
Digital Investigations in dark net
- Presented by **AREA**

16:00-17:00 `SESSION B`
The Israeli experience in the cyber domain and lessons learned by the Israeli Cyber Security establishment
- Presented by **SIBAT - Israel MOD**

Wednesday, 6 June 2018

9:00-10:00 `SESSION A`
HIWIRE – Full Cycle WEBINT and OSINT collection with Deep Access
- Presented by **WIP**

9:00-10:00 `SESSION B`
WebMine2Go – Human Intelligence in Machine
- Presented by **ThetaByte Technologies**

11:30-12:00 `SESSION A`
Bringing together Metadata, OSINT, SOCMINT, SIGINT, Dark Web, Surveillance techniques to support law enforcement.
- Presented by **Gamma Group**

12:00-12:30 `SESSION A`
Dark Web - Can Governments afford not knowing? Hunting criminals on the dark side.
- Presented by **Gamma Group**

11:30-12:30 `SESSION B`
DataWalk: the next generation analytical platform
- Chris Westphal, Chief Analytic Officer, **DataWalk**

14:00-15:00 `SESSION A`
New ways to uncover answers hidden in the sea of unstructured data based on Artificial Intelligence
- Presented by **Voyager Labs**

14:00-15:00 `SESSION B`
Generating holistic intelligence by blending WEBINT with other data sources
- Presented by **S2T**

15:30-16:30 `SESSION A`
Advanced analytics and identification through processing of social networks, audio sources and video surveillance
- Presented by **everis**

15:30-16:00 `SESSION B`
Automatic Exploitation of Social Network, Deep and Dark Web to complement traditional Lawful Interception Infrastructure
- Presented by **IPS**

16:00-16:30 `SESSION B`
How to monitor and influence Public Sentiment with a platform able to listen, analyze and react through propaganda campaigns on Social Media
- Presented by **IPS**

16:45-17:45
The Israeli experience in the cyber domain and lessons learned by the Israeli Cyber Security establishment
- Presented by **SIBAT - Israel MOD**

Thursday, 7 June 2018

8:30-9:30 `SESSION B`
Fusion 2.0 – a revolution in multi-source intelligence analysis
- Presented by **WIP**

10:30-11:30 `SESSION A`
Handling Multi-language OSINT & COMINT
- Emmanuel Tonnelier, Director of Intelligence Solutions, **SYSTRAN**

11:00-11:30
How to do National-Scale Communications Record-keeping in 2018 and Beyond
- Presented by **Packet Forensics**

12:00-13:00
Ethical & Sustainable Solutions in the world of encryption.
- Presented by **ClearTrail**

`Track 5`

Mobile Signal Intercept and Electronic Surveillance Training and Product Demonstration

This track is for Law Enforcement, Interior Security and the Government Intelligence Community who must work with cellular and mobile satellite operators regarding mobile location, electronic surveillance and RF intercept. This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 5 June 2018

9:30-10:00
Intelligence Goes Airborne
- Presented by **Verint**

10:15-11:15
NanoLive P2P mobile A/V transmission
- Presented by **Pro4Tech**

11:30-12:30
WLAN Intelligence & investigation – methods, tools and services
- Presented by **S.E.A**

13:30-14:30
Command and Control Center for covert field operations using Audio, Video and GPS feeds
- Presented by **IPS**

14:45-15:45
From office to the field your Investigation is reaching a new level of expertise with Real Time Location Data
- Presented by **Deveryware**

16:00-17:00
Efficient methods for lawful interception in diverse mobile networks
- Presented by **Iskratel**

Wednesday, 6 June 2018

9:00-10:00
IMSI Catcher, 2G/3G/4G Interception, New Challenges and Solutions
- Presented by **NeoSoft AG**

11:30-12:00
GSM Tactical Interception System for 3G and 4G
- Presented by **Advanced Systems**

14:00-15:00
Deep Insight from Public Wireless Signals
- Presented by **Packet Forensics**

15:30-16:30
Electronic Lock and Alarm Defeat Capability Presentation
- Presented by **Providence**

Thursday, 7 June 2018

8:30-9:30
Alternative use of highly directional Microphone Arrays from Squarehead
- Presented by **Squarehead**

10:30-11:30
Tactical Wi-Fi Interception - Identify, Acquire, Intercept.
- Presented by **Jenovice**

`Track 6`

Investigating DarkNets and Associated Bitcoin/Altcoin Transactions

This track is for law enforcement and private enterprise investigators who have to monitor and investigate the DarkNet along with Bitcoin transactions associated with criminal activities. Some Track 6 sessions open to all government and commercial cyber crime investigators.

Tuesday, 5 June 2018

9:00-10:00
Cybercurrency 101: Introduction to What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis
- Presented by: Dr. Matthew Lucas, Vice President, **TeleStrategies**

10:15-10:45
C3 – Cross Crypto Currency analysis: move forward with cryptocurrency intelligence
How to track illicit money flows among blockchain cryptocurrencies
- Presented by **Neutrino.nu**

10:45-11:15
Cryptocurrency intelligence: pattern analysis for crypto-money flows and illicit activities on the darknet
- Presented by **Neutrino.nu**

13:30-14:30
Cryptocurrency Forensics Utilizing a Multi-currency Blockchain Explorer
- Vladimir Vesely, Researcher, FIT-BUT, **Brno University of Technology**

14:45-15:45
Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations
- Presented by: Dr. Matthew Lucas, Vice President, **TeleStrategies**

Wednesday, 6 June 2018

9:00-10:00
Bitcoin in Practice: Buying, Selling, Sending and Receiving
- Presented by **Elliptic**

11:30-12:30
Advanced Bitcoin Concepts and an Introduction to Bitcoin Investigations
- Presented by **Elliptic**

14:00-17:45 `SESSION A`
Special Half Day DarkNet Seminar
- by Andrew Lewman, Vice President, DarkOWL and Former Executive Director, **The TOR Project**

14:00-15:00
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What's possible?
- Presented by: Andrew Lewman, Vice President, **DarkOWL**

15:30-16:30
Case studies / examples in dark net investigations – de-anonymizing examples / approaches / best practices / lessons learned.
- Presented by:Andrew Lewman, Vice President, **DarkOWL**

16:45-17:45 `SESSION A`
Future directions - what's next in dark net infrastructure, dark markets and investigation implications
- Presented by: Andrew Lewman, Vice President, **DarkOWL**

16:45-17:45 `SESSION B`
Encrypted Messaging: Techniques and Tools for Exposing Bad Actors Who Use Next-Generation Communication Methods
- Stephen Arnold, Managing Partner, **Arnold.IT**

Thursday, 7 June 2018

8:30-9:30
What Investigators Need to Know about Blockchain Architectures Supporting Altcoins (Ethereum, Monero, Litecoin, Dash, Ripplo, etc.).
- Roberto Capodieci, **Blockchain Zoo**

10:30-11:30 `SESSION A`
What Investigators Need to Know about Blockchain 2.0 & 3.0 Application Developments
- Roberto Capodieci, **Blockchain Zoo**

10:30-11:30 `SESSION B`
Case Studies and Emerging Threats In the Criminal Use of Virtual Currencies
- Luke Wilson, Vice President of Business Development-Investigations, **Elliptic**

12:00-13:00 `SESSION A`
What Financial Crime Investigators need to Know about Blockchain Investigation Techniques.
- Roberto Capodieci, **Blockchain Zoo**

12:00-13:00 `SESSION B`
Identifying a Bad Actor Using the Dark Web, i2p, and Other Methods of Hiding "True Identity"
- Stephen Arnold, Managing Partner, **Arnold.IT**

Track 7

Financial Crime: Prevention, Detection and Investigation

This track is for law enforcement and private enterprise investigators who are responsible for money laundering, fraud prevention, detection and investigation and other cyber crime activities. Track 7 open to all government and private enterprise financial crime investigators.

Tuesday, 5 June 2018

9:00-16:00
Concerns and Considerations in Financial Crime Investigations
- Presented by: Michael Loughnane, CAMS, CFE, **Loughnane Associates, LLC** and retired 27 year US Federal Law Enforcement Officer

09:00-10:00
Criminal Essentials: The Needs of a Successful Illicit Network

10:15-11:15
Illicit Schemes: Money Laundering and Terror Finance: Similarities and Differences

11:30-12:30
Trade Based Money Laundering Techniques: Red Flags for Investigators

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World Finance Basics 1: How Investigators Can "Follow the Money": FedWIRE, Clearing Houses, and SWIFT

14:45-15:45
World Finance Basics 2: Hawala, Red SIMS, and Alternate Remittance Systems

16:00-17:00
Financial Investigation Case Planning: Application of Critical Thinking to your Case

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ISS World Europe Exhibit Hours

Wednesday, 6 June 2018:
10:00 - 18:00

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9:30 - 12:30

Registration Information *Save $300 by registering before 29 April 2018*

Telecommunications Service Provider or Private Enterprise Registration

ISS World Conference (Tracks 1, 6 & 7),
Pre-Conference Seminars and Exhibits $995

Registration after 29 April 2018...$1,295

Law Enforcement/DHS/IC/DoD Registration*

ISS World Conference Training Tracks 1-7,
Pre-Conference Seminars plus Exhibits.............................$995

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