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

7-9 DECEMBER 2021 • CLARION CONGRESS HOTEL • PRAGUE, CZ

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

151 LEA/Interior/DoD Training Sessions and Courses to Choose From
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.

ISS WORLD EUROPE 2021 PROGRAM AGENDA

Training Seminars Led by Law Enforcement Officers and Ph.D., Computer Scientists
30 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 (7 classroom hours)
- Michael Loughnane, CAMS, CFE, Loughnane Associates, LLC and retired 27-year US Federal Law Enforcement Officer (5 classroom hours)
- Jerry Lucas (Ph.D., Physics), President, TeleStrategies (4 classroom hours)
- Matthew Lucas (Ph.D., Computer Science), VP, TeleStrategies (3 classroom hours)
- Vladimir Vesely (Ph.D., Computer Science) Researcher, Brno University of Technology (2 classroom hours)
- Andrew Lewman, VP, DarkOWL and Former Executive Director, The TOR Project (3 classroom hours)

Tuesday, 7 December 2021

SEMINAR #1

08:30-15:05
Online Social Media and Internet Investigations
• Presented by: Charles Cohen, Cohen Training and Consulting, LLC, also holds the position of Captain, Office of Intelligence & Investigative Technologies, Indiana State Police, USA

10:35-11:25
The role of Online Social Media OSINT in Predicting and Interdicting Spree Killings: Case Studies and Analysis

09:25-10:15
Recognizing Traffic Data and digital profiling via social networks and devices - digital shadows

11:30-12:20
Awareness of Emerging Technologies, Masking Tech and Tools, TOR and proxies

13:20-14:10
Advanced Techniques in Tracing Suspects, and lateral problem solving

14:15-15:05
Open Source Tools, resources and techniques - A walk through my free law enforcement open source tools site

SEMINAR #2

08:30-10:15
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, building their OSINT toolbox, and 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.

08:30-09:20
The Internet, and how suspects leave a Digital Footprint. How the system works for us, as investigators

09:25-10:15
Recognizing Traffic Data and digital profiling via social networks and devices - digital shadows

SEMINAR #3

08:30-09:20
Understanding Mobile 2G/3G/4G Infrastructure and Law Intercept for Technical Investigators
• Presented by: Dr. Jerry Lucas, President, TeleStrategies

09:25-10:15
Understanding 5G New Radio and Encryption Infrastructure for Technical Investigators
• Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

SEMINAR #4

10:35-11:25
Understanding 5G Network Core (NFV, SDN, EDGE Computing and Network Slicing) for Law Enforcement Investigators
• Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies
SEMINAR #6
11:30-12:20
Understanding Cryptography used in Third Party Encryption Services, Bitcoin, Blockchain, TOR, DarkNets, 2G/3G/4G/5G and WiFi for Technical Investigators
  • Presented by: Dr. Jerry Lucas,
    President, TeleStrategies

SEMINAR #7
13:20-14:10
Cybercurrency 101: What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis
  • Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

SEMINAR #8
14:15-15:05
Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations
  • Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

SEMINAR #9
16:30-17:15
SSL/TLS Interception Workshop
  • Presented by: Vladimir Vesely (Ph.D., Computer Science) and Jan Pluskal, Researchers, Brno University of Technology

Wednesday, 8 December 2021
08:30-09:15
Criminal Essentials: The Needs of a Criminal Network
  • Presented by: Tatiana Lucas, ISS World Program Director, TeleStrategies

09:15-10:00
Financial Crime Schemes in Money Laundering
  • Presented by: Jerry Lucas, (Ph.D, Physics)
    President, TeleStrategies

11:00-11:45
The Essentials of Trade Based Money Laundering
12:45-13:30
How Does Money Actually Move
13:30-14:00
Follow the Money Beyond the Bank

Wednesday, 9 December 2021
08:30-11:45
SEMINAR #10
08:30-09:20
Special Half Day DarkNet Seminar
  • by Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project

08:30-09:15
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbled? What’s possible?

09:15-10:00
Case studies / examples in dark net investigations - de-anonymizing examples / approaches / best practices / lessons learned.
11:00-11:45
Future directions - what’s next in dark net infrastructure, dark markets and investigation implications

This one-hour session will explore the protection of weak points and future proofing banks against cyber-attacks.

SEMINAR #11
08:30-14:00
Concerns and Considerations in Financial Crime Investigations
  • Presented by: Michael Loughane, CAMS, CFE, Loughnane Associates, LLC Mike is a former US Federal Law Enforcement Officer who specialized in complex fraud and cybercrime investigations and currently provides training to improve detection and investigations of fraud, money laundering and counter terror finance

09:00-10:00
SEMINAR #12
12:45-14:00
Understanding "Defeating Encryption" with Quantum Computing for Non-Engineers
  • Presented by: Jerry Lucas, (Ph.D, Physics)
    President, TeleStrategies

12:45-14:00
Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations
  • Presented by: Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

Thursday, 9 December 2021
09:30-10:00
SDL Neural Machine Translation applications for Cyber Threat Intelligence
  • Presented by: SDL

12:45-13:30
Understanding “Defeating Encryption” with Quantum Computing for Non-Engineers
  • Presented by: Jerry Lucas, (Ph.D, Physics)
    President, TeleStrategies

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, 7 December 2021
14:15-15:05
SEMINAR #13
14:15-14:00
Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations
  • Presented by: Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

14:15-15:05
The CY4GATE Integrated Cyber-Intelligence solution
  • Presented by: CY4GATE

15:25-16:15
The challenges 5G brings to cellular Security & Surveillance
  • Nick Johnson, CTO & Head of PLM, IP Access

16:30-17:20
SSL/TLS Interception Workshop
  • Vladimir Vesely (Ph.D, Computer Science)
    Researcher, Brno University of Technology

Thursday, 7 December 2021
08:30-09:20
SESSION A
The Wide Area Network vs. Moore’s Law: Generating IP Intelligence at 100G and beyond
  • Gene Litt, CTO, NetQuest

08:30-09:20
Efficient Cryptanalysis Infrastructure - Doing More with Less
  • Presented by: SciEngines

09:25-10:15
SESSION A
WHO was using WHAT application WHERE and WHEN?
  • Presented by: VASTech

09:25-10:15
SESSION B
TOVEK - creating missing knowledge from disparate information sources
  • Presented by: Tovek
Thursday, 9 December 2021

08:30-09:20  SESSION A
Guess who is using THAT App in your Country. Metadata as IP Intelligence
• Presented by AREA

09:25-10:15  SESSION A
WhatsApp, Telegram, Facebook...how IPS helps you to locate most wanted targets with LI
• Presented by IPS

09:30-10:00  SESSION A
Using Al-based Risk Scoring for Multi-source Target Acquisition and Prioritization
• Presented by Simulation Software & Technology, S2T

10:35-11:25  SESSION B
Everyone leaves a trace: How the digital sphere has become the ideal place for target acquisition
• Presented by Digital Clues

11:30-12:20  SESSION B
Using AI-based Risk Scoring for Multi-source Target Acquisition and Prioritization
• Presented by Simulation Software & Technology, S2T

12:00-13:30  SESSION A
Combating Threats with Advanced AI-Driven Technologies – Leveraging open source data to anticipate and prevent future attacks
• Presented by Voyager Labs

13:20-14:10  SESSION A
Combating Threats with Advanced AI-Driven Technologies – Leveraging open source data to anticipate and prevent future attacks
• Presented by Voyager Labs

14:15-14:40  SESSION B
Automatic Exploitation of Social Network, Deep and Dark Web to complement traditional Lawful Interception Infrastructure for Target Profiling.
• Presented by IPS

14:40-15:05  SESSION B
Machine Learning in a Command and Control Centre for covert field operations and situation awareness
• Presented by IPS

15:25-16:15  SESSION A
How social media platforms are limiting the API approach and advanced DB queries
• Presented by Cognyte

16:30-17:20  SESSION B
The hype of AI usage in intelligence is facing multiple challenges
• Presented by Cognyte

16:30-17:20  SESSION B
SCOPE Product – Prevent and Predict
• Presented by Innoystec

Wednesday, 8 December 2021

09:00-10:00  SESSION A
Digital Toolbox: the investigator's best friend
• Presented by AREA

09:00-09:30  SESSION C
NEO. Targeted Mission-Based Investigation
• Presented by FinFisher

09:30-10:00  SESSION B
Collection in a privacy driven era: We mapped out the collection options
• Presented by Cognyte

09:30-10:00  SESSION C
WIFI Intelligence Gathering - A Key Piece of the Strategic Intelligence Puzzle
• Presented by FinFisher

13:00-13:45  SESSION B
Advanced Tactical Interception and Data Extraction Vectors
• Presented by Merlínx

13:50-14:35  SESSION A
Live Demo: Automating forensic Speaker Recognition for Cyber Crime units
• Presented by ATIS

13:50-14:35  SESSION B
Illuminating the Dark - Technologies for Unmasking Darknet Criminals
• Presented by FinFisher

14:50-16:25  SESSION A
LIIMS, only black box? Or can it bring additional value to LEAs?
• Presented by Sedam

15:40-16:25  SESSION B
Making the analyst smarter with Intellaxa’s Insight

15:40-16:25  SESSION C
Live Demo. Real investigation, from Telegram to the Darknet, and using active cyber security tools to Tango down the targets.
• Antonio Ramos, COO, MOLLITIAM

16:30-17:15  SESSION A
Encrypted or not - every IP-packet tells a story
• Mark Udiani, CTO, XCI A/S

16:30-17:15  SESSION A
Social Network Monitoring, Artificial Intelligence and Analytics Product Training
Sessions in this track are only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees, unless marked otherwise.

Tuesday, 7 December 2021

08:30-09:20  SESSION A
Massive Social Media data collection and analysis for Counter-Terrorism Intelligence Activities
• Presented by IPS

10:25-10:45  SESSION B
Real Investigation, from Telegram to the Darknet, and using active cyber security tools to Tango down the targets.
• Antonio Ramos, COO, MOLLITIAM

13:30-15:00  SESSION A
Combating Threats with Advanced AI-Driven Technologies – Leveraging open source data to anticipate and prevent future attacks
• Presented by Voyager Labs

14:15-14:40  SESSION B
Automatic Exploitation of Social Network, Deep and Dark Web to complement traditional Lawful Interception Infrastructure for Target Profiling.
• Presented by IPS

14:40-15:05  SESSION B
Machine Learning in a Command and Control Centre for covert field operations and situation awareness
• Presented by IPS

15:25-16:15  SESSION A
How social media platforms are limiting the API approach and advanced DB queries
• Presented by Cognyte

15:25-16:15  SESSION B
Multimedia Monitoring and Forensics Laboratory
• Presented by Evers

16:30-17:20  SESSION A
The hype of AI usage in intelligence is facing multiple challenges
• Presented by Cognyte

16:30-17:20  SESSION B
SCOPE Product – Prevent and Predict
• Presented by Innoystec

Wednesday, 8 December 2021

09:00-10:00  SESSION A
Tactical Web Intelligence (WEBINT) & Social Engineering: Gathering Actionable Intelligence via a powerful WEBINT platform
• Presented by Cobwebs Technologies

13:00-13:45  SESSION A
Global Terror Butterfly Effect: Social Network and Real Time Threat Analysis of Lone Wolves Terrorism
• Presented by Cobwebs

13:00-13:45  SESSION C
Propaganda 4.0: Is fake news really so new? A Journey through the various ways in which media is used
• Presented by Gamma Group

13:50-14:35  SESSION A
Discover the Unknowns of the Digital Sphere
• Presented by Ultra

15:40-16:25  SESSION A
Unlocking the full potential of speech technologies to transform OSINT and COMINT
• Presented by Vocapia

15:40-16:25  SESSION B
Data Enrichment Techniques and Sources for Internet Investigations
• Presented by Packet Forensics

15:40-16:25  SESSION C
trovicor’s best kept secret – The whole truth about the Intelligence Platform
• Presented by Trovicor

16:00-16:45  SESSION D
Transforming Investigations & Risk Assessment with Artificial Intelligence
• Presented by Voyager Labs

16:30-17:15  SESSION C
Transforming Investigations & Risk Assessment with Artificial Intelligence
• Presented by Voyager Labs

Thursday, 9 December 2021

08:30-09:15  SESSION C
Transforming Investigations & Risk Assessment with Artificial Intelligence
• Presented by Voyager Labs

09:15-10:00  SESSION C
SCOPE Product – A Real Life Scenario (demo)
• Presented by Innoystec
Thursday, 9 December 2021
08:30-09:00
Overview of Mobile Radio Analysis
  • Presented by Rohde Schwarz

09:15-10:00
SCPC/VSAT Interception in CIC/CuC scenarios
  • Presented by Rohde Schwarz

11:00-11:45
Future directions - what's next in dark net infrastructure, dark markets and investigation implications
  • Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project

Track 6
Mobile Signal Intercept Product Training and Demonstrations
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, 7 December 2021
11:30-12:20
Understanding Cryptography used in Third Party Encryption Services, Bitcoin, Blockchain, TOR, DarkNets, 2G/3G/4G/5G and WiFi for Technical Investigators
  • Dr. Jerry Lucas, President, TeleStrategies

13:20-14:10
Cybercurrency 101: What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis
  • Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies

15:25-16:15
Offline Darknet web-crawling with the Web-l-Qube
  (THIS SESSION IS ONLY OPEN TO LEA AND GOVERNMENT ATTENDEES)
  • Presented by mh-Service GmbH

Wednesday, 8 December 2021
13:00-13:45
Offline darknet investigation with the Web-l-Qube
  • Presented by mh Service GmbH

13:50-14:35
Building a Secured Environment Through Threat Intelligence
  • Presented by MAGEN

16:30-17:15
Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era
  • Presented by AREA

Wednesday, 8 December 2021
09:00-10:00
Empowering field intelligence teams - how Intellexa combines native 3G/4G interception and long range WiFi interception to make field cyber operations more successful than ever
  • Presented by WiSpear

13:50-14:35
Strategic intelligence to follow trends and reveal hidden targets
  • Presented by Advanced Systems

16:30-17:15
Provideance Training Academy
  • Presented by Providence

Thursday, 9 December 2021
08:30-09:00
Overview of Mobile Radio Analysis
  • Presented by Rohde Schwarz

09:15-10:00
SCPC/VSAT Interception in CIC/CuC scenarios
  • Presented by Rohde Schwarz
Photo ID required for classroom access.

**Note:** To Attend the LEA/DHS/IC/DoD Training Tracks 2, 3, 4, 6 & 7 you must be a sworn law enforcement officer or military/intelligence/government employee.

**Vendor Registration**

ISS World Conference (Tracks 1, 5, 8, & 9), Pre-Conference Seminars and Exhibits ...............................$995

Registration after 22 October 2021 .....................................$1,695

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Registration after 22 October 2021 .....................................$1,695

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ISS World Conference Training Tracks 1-9, Pre-Conference Seminars plus Exhibits .......................$995

Registration after 22 October 2021 .....................................$1,695

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ISS World Conference (Tracks 1, 5, 8, & 9), Pre-Conference Seminars and Exhibits .................................$995

Registration after 22 October 2021 .....................................$1,695

Free Colleague Registration:
Register as paid and you can invite a colleague to join you at ISS World Europe with a full, free conference pass. If you have not identified your guest at this time, just enter “guest of” followed by your name and complete with your contact information. You can register your guest at no charge at a later time.

Conference and Exhibitions: Clarion Congress Center
To reserve a room at the early bird rate of ISS EUR ($125 US) go to www.issworldtraining.com and select ISS World Europe 2021 or call 420 211 131 119 and reference ISS World 2021. Early bird rate expires 22 October 2021.

International Attendees:
If you need Visa assistance to attend ISS World, please contact Tatiana Lucas at talucas@telestrategies.com

Conference by Invitation Only:
To attend ISS World you must be a government employee, LEA, telecom operator or vendor with LI, surveillance or network products or services. If you have questions e-mail Tatiana Lucas at talucas@telestrategies.com.

**Registration**

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