

AGENDA

Darknet and Cryptocurrencies Investigations

Day 1: Cryptocurrency (virtual currency) – how it works. Ecosystem and community

09:00 - 09:15	Course introduction
09:15 - 10:00	Technology overview: private-hybrid-public blockchains, consensus models, cryptography (private-public keys)
10:00 - 10:30	Bitcoin practice. Practicing with Wallets (create, backup, restore, transactions, wallet types)
10:30 - 11:00	Coffee break
11:00 - 12:30	Marketplaces (centralized and de-centralized) Practicing Blockchain explorers Practicing with crypto Marketplaces (centralized and de-centralized) Intro to Chainalysis tool
12:30 - 13:30	Lunch break
13:30 - 15:00	Bitcoin ecosystem and community <ul style="list-style-type: none"> Holders Business Miners Developers Community hubs
15:00 - 15:30	Coffee break
15:30 - 17:00	Smartcontracts and Ethereum network ICO (fundraising model) and tokenization <ul style="list-style-type: none"> Ecosystem Top cases Fraud and Risk

Day 2: Blockchain in compliance and regulation. How to conduct a Bitcoin investigation, seizure and confiscation of Bitcoin.

09:00 - 09:15	Recap
09:15 - 10:30	The global regulatory landscape for virtual currencies services and how to identify and categorize Compliance and where it is conducted - point of contacts ML/TF and other offences Cryptocurrency tumbler or cryptocurrency mixing services
10:30 - 11:00	Coffee break
11:00 - 11:45	Conducting a virtual currencies investigation The concept of exposure Mining hacks/viruses
11:45 - 12:30	Tracing and identifying money changing hands Where to send requests. Virtual currencies exchanger profiles.

12:30 - 13:30	Lunch break
13:30 - 15:00	Advanced investigation techniques for Bitcoin Custom clusters by Chainalysis
15:00 - 15:30	Coffee break
15:30 - 17:00	Vulnerabilities, risks, opportunities for law enforcement Seizure and confiscation of cryptocurrencies
Day 3: Darkweb and OSINT	
09:00 - 09:15	Recap
09:15 - 10:30	The cyber-challenge of visible and invisible threats : The terrorism case
10:30 - 11:00	Coffee break
11:00 - 12:30	TOR: Marketplaces investigation techniques in anonymized environment
12:30 - 13:30	Lunch break
13:30 - 15:00	Internet architecture. Anonymisation, Darkweb, TOR, IRC, newsgroups and forums
15:00 - 15:30	Coffee break
16:00 - 17:00	Evidence capture and handling
Day 4: Darkweb and OSINT (continued)	
09:00 - 09:15	Recap
09:15 - 10:30	Open sources resources. Intelligence versus Evidence. Specifics of open source information in financial investigations
10:30 - 11:00	Coffee break
11:00 - 12:30	Basic and advanced search. Investigating digital image.
12:30 - 13:30	Lunch break
13:30 - 15:00	Criminal Data Science Applied with Examples and Tools (1)
15:00 - 15:30	Coffee break
15:30 - 16:30	Criminal Data Science Applied with Examples and Tools (2)
16:30 - 17:00	Wrap up. Summary. Certificates
Day 5: Trainers' Development: Adapting a training to your audience	
09:00 - 09:15	Recap
09:15 - 10:00	Opening and module introduction
10:00 - 10:30	Key elements of effective training
10:30 - 11:00	Coffee break
11:00 - 11:30	Training Needs Assessment
11:30 - 12:30	The ABC of Learning Objectives
12:30 - 13:30	Lunch break
13:30 - 13:45	Review activity
13:45 - 15:00	Learning objectives exercise
15:00 - 15:30	Coffee break
15:30 - 16:00	Tips & tricks for training delivery
16:00 - 16:30	Training session flow
16:30 - 17:00	Wrap-up