

## **Intro to the science of OSINT and Forensics Analysis fundamentals Training**

### **Course Outline**

The areas/topics covered in this course are:

- Forensics Analysis fundamentals, data-mining, and an introduction to the science of Open-Source Intelligence collection
- Network security principles including encryption technologies and defensive configurations of network infrastructure devices
- Indication of Compromise and threat recognition for a variety of network attack and exploit scenarios, including reconnaissance techniques, intrusion and exploit methodologies, Bot-Net threat recognition as well as standard user protocol vulnerabilities including many IP related Protocols such as IPv4/v6 / TCP, DNS/DNSec, ARP, ICMPv4/v6, and an introduction to Voice / Video over IP and Wireless Networking technologies
- Specialized Network Forensics Analysis techniques, including suspicious data traffic reconstruction and viewing Real-World examples are utilized throughout the course in conjunction with numerous hands-on exercises to provide field-proven, practical analysis skills.