



11<sup>th</sup> – 12<sup>th</sup> June Prague

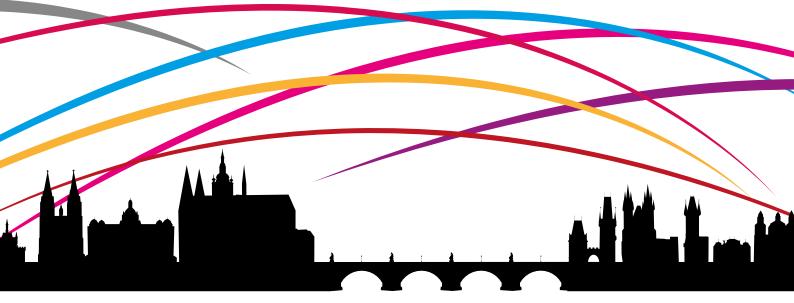
# UNIVERSE OF **CYBER SECURITY**AND DIGITAL FORENSIC

CLOUD AND SOCIAL NETWORKS RISKS

$$|\psi\rangle = \alpha |0\rangle + \beta |1\rangle$$
$$|\alpha|^2 + |\beta|^2 = 1$$

$$\alpha | 0 \rangle = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
 MOBILE SECURITY

$$\beta |1\rangle = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$



#### Pre conference:

12:30

#### **Network Forensic Investigation of a Hacked Web Server**



Ondrej Krehel, Lifars LLC and Fibamo

15:00

#### Malware Analysis of Windows and mobile Android Systems

Ivan Bacigal, Forensic Expert

# Day 1 Conference

8:00

#### REGISTRATION AND BREAKFAST

9:00

# **APT Part 1 - Cyber Risks and Digital Threats**

Lukas Hlavicka, Head of Department, CSIRT.SK

- Overview and stages observed in APT attacks
- · Attackers, victims and processes
- Exploited vulnerabilities and common mistakes in defense
- · Methodology for defense and proactive reaction
- Main points in structure of defense
- Q&A

9:40

# **APT Part 2 - Methodology of defense and response**

Lukas Hlavicka, Head of Department, CSIRT.SK

- Overview and stages observed in APT attacks
- Attackers, victims and processes
- Exploited vulnerabilities and common mistakes in defense
- Methodology for defense and proactive reaction
- Main points in structure of defense
- Q&A

10:40

#### MORNING COFFEE & NETWORKING

11:00

# Cyber vectors and threats

#### Jan Kvasnicka, Symantec

- Cyber-threat classification and their impact on business
- Effective processes for risk reduction
- Hacking attacks, their classification, mobile and portable devices risks
- Advanced persistent threats and intellectual property frauds
- Q&A

12:00

#### LUNCHEON

13:00

# **Threat Intelligence from Event Correlation**

Peter Kopriva, IS Security Specialist - Senior, Tatra banka, a.s.

- Data standards, and regulations, such as US breach statues, and EU Directive on privacy
- Industry standards for payment processing, including PCI DSS requirements
- Sectorial versus one umbrella approach in privacy and data protection
- Privacy by design concept
- Q&A

# 14:00 Anti-detection Techniques in Network Communication

- Marian Novotny, Network Security Algorithm Designer, ESET
  - Present technologies used for detection and protection, such as IDS/IPS
  - Implementation of technologies into various security designs
  - · Defining weakest links and implementing appropriate remediation steps
  - Q&A

#### 15:00 AFTERNOON TEA & NETWORKING

# 15:20 Web Application Hacks and Security

Jaroslav Nemcok, Web Security Resarcher, Lifars LLC

# 16:00 Mobile Security – Bottleneck or business enabler?

Marcus Klische, Security Advisor Blackberry, Blackberry

### 17:00 Fraud Spam with Malware

Andrea Kropacova, Czech CSIRT.CZ

Karel Nykles, Forensic Laboratory Specialist, Cesnet

#### 18:00 Career Fair Debate

Samuel Leduc, Branch Manager at REED

Romana Martincova, Senior Business Manager, REED

### 20:00 NETWORKING NIGHT DINNER AND PARTY

 Join us after the conference with the awesome Opening Party shindig. Stay for a few rounds at Monastery Brewery located just across the street.



# Day 2 Conference

8:00

#### **BREAKFAST**

9:00

#### Biometrics in financial sector

Marek Zeman, CISO, Tatra banka, a.s.

- Business reasons for biometrics implementation
- Possible business areas
- Logic and functional description implemented cases
- Control measures (FRR, FAR how to measure this kind of parameter)
- Open questions/problems
- Attack vectors
- Q&A

9:40

# Windows and Android malware analysis

**Ivan Bacigal**, Forensic Expert

- Lecture is covering fundamental aspects of reverse engineering and malware analysis.
- How to set up an inexpensive and flexible laboratory for understanding the inner-workings of malicious software.
- Understand how to use various tools for uncovering characteristics of real-world malware samples, and examine behavioral patterns and code, and discussing essential x86 assembly language concepts.
- Examine malicious code to understand vector of infections, static and dynamic analysis, and execution flow.
- Various characteristics of malware will be discussed such as bots, rootkits, keyloggers, downloaders and other types of malware.
- Q&A

10:40

#### **MORNING COFFEE & NETWORKING**

11:00

# **Case Studies from Forensic Investigations**



Ondrej Krehel, Lifars LLC and Fibamo

- Technologies used for digital forensics, network forensic, volatile information and malware analysis. Incident response and forensic Triage.
- Techniques implemented in various forensics technologies and pros/cons.
- War stories, case studies, cases from real world.
- Q&A

12:00

#### LUNCHEON

13:00

# **Digital Evidence Management Framework**

Miroslav Baca, Court Expert Witness, Professor at University of Zagreb at Faculty of Organization and Informatics

- Data-breach plan creation and implementation
- Framework for incident response plan, and its execution
- Integration of investigative techniques into corporate and government environments
- Role of human factor, and employee training
- Q&A

14:00

# **Modern Attacks on Internet Banking Systems**

Petričko Dušan, Information security specialist, VUB, a.s.

15:00

#### **AFTERNOON TEA & NETWORKING**

16:00

# Bermuda Triangle of the Investment and Private Banking Cyber Frauds

Boris Mutina, Freelancer in IT security

- Financial cyber frauds three quick case studies
- Fraudster evolution, possibilities in the investigation and the recovery
- · Countermeasures and ideas to think about in the future

17:00

#### **Interactive Panel Discussion**

- Ivan Bacigal, Petričko Dušan, Ondrej Krehel, Boris Mutina, Jaro Nemcok, Marek Zeman
  - The audience has the opportunity to ask questions and open an interactive discussion with the speakers from Day 1 and Day 2



For speakers opportunity and other assistance please contact Kristina Novotna, QuBit Production and Operation Manager, at kristina.novotna@qubitconference.com