

25 NOVEMBER, 2020	SPEECH TOPICS & TITLES	SPEAKERS
09:00 – 09:10	Opening Speech	<b>Dr. George J. Konnis</b> Managing Director, Head, Cyprus Academic CSIRT (CYNET-CSIRT)
09:15 – 10:00	Trainings and the new reality - we had a dream ..."	<b>Christian Van Heurck</b> Expert in Network and Information Security ENISA <b>Nikolaos Christoforatos</b> Senior ICT Systems Specialist ENISA
10:00 – 10:05	Break	
10:10 – 10:30	<b>Malware Analysis</b>	<b>Christos Pachoulidis</b> Cyber Security Analyst National CSIRT-CY
	<b>Session 1: Introduction</b> <ul style="list-style-type: none"> <li>– Basic Techniques</li> <li>– Virtual Machine Setup tips</li> <li>– Architecture of Microprocessors</li> <li>– Data Representation</li> <li>– Endianness (Big-Endian and Little-Endian Order)</li> </ul>	
10:30 – 10:35	Break	
10:40 – 11:30	<b>Malware Analysis</b>	<b>Christos Pachoulidis</b> Cyber Security Analyst National CSIRT-CY
	<b>Session 2: Assembly language for x86 Processors</b> <p><b>Part 1: x86 Processor Architecture</b></p> <ul style="list-style-type: none"> <li>– General-Purpose Architecture</li> <li>– EFLAGS Register</li> <li>– Instruction Pointer</li> </ul> <p><b>Part 2: Assembly Language Fundamentals</b></p> <ul style="list-style-type: none"> <li>– Operand Types</li> <li>– Basic Instructions</li> <li>– Transfer Instructions</li> <li>– Stack Operations</li> <li>– Defining and Using Procedures</li> </ul>	
11:30 – 11:35	Break	

<b>11:35 – 12:00</b>	<p align="center"><b>Malware Analysis</b> <b>Session 3: Reverse Engineering Mindset</b></p> <ul style="list-style-type: none"> <li>- Debugger's Interface</li> <li>- How to run an executable in the debugger</li> <li>- Basic steps to follow in the debugger</li> <li>- Using the registers and the stack</li> </ul>	<p><b>Christos Pachoulidis</b> Cyber Security Analyst National CSIRT-CY</p>
<b>12:00 – 12:05</b>	<b>Break</b>	
<b>12:10 – 12:30</b>	<b>Security, Cybercrime and Digital Forensics Challenges for IoT</b>	<p><b>Dr. Yianna Danidou</b> Lecturer in Cybersecurity Department of Computer Science &amp; Engineering Research Associate, CeRiDeS European University</p>
<b>12:30 – 12:40</b>	<b>Wrap-up</b>	

<b>26 NOVEMBER, 2020</b>	<b>SPEECH TOPICS &amp; TITLES</b>	<b>SPEAKERS</b>
<b>09:00 – 09:45</b>	<b>Network Forensics for the Internet of Things</b>	<p><b>Dr. Vasos Vassiliou</b> Associate Professor, Networks Research Laboratory, Computer Science Department, University of Cyprus</p>
<b>09:45 – 09:50</b>	<b>Break</b>	
<b>09:55 – 10:40</b>	<b>Mobile Forensics from damaged devices</b>	<p><b>Dr. Dimitris Baltatzis</b> Faculty Member of the School of Science and Technology in International Hellenic University (IHU) &amp; European University</p>
<b>10:40 – 10:45</b>	<b>Break</b>	
<b>11:50 – 12:50</b>	<b>Network Forensics</b>	<p><b>Christian Van Heurck</b> Expert in Network and Information Security ENISA <b>Nikolaos Christoforatos</b> Senior ICT Systems Specialist ENISA</p>
	<ul style="list-style-type: none"> <li>- Importance of Network Forensics</li> <li>- How it can and should integrate with other forensics disciplines</li> <li>- Potential pitfalls</li> <li>- Lessons learned based on previous experience</li> </ul>	
<b>12:50 – 12:55</b>	<b>Break</b>	

<p><b>13:00 – 14:00</b></p>	<ul style="list-style-type: none"> <li>- Introduction to the three use-cases of the training with extra focus on the ICS scenario</li> <li>- Brief presentation and tips on the access that will be given in the ENISA virtual labs – Hands-on experience.</li> </ul>	<p><b>Christian Van Heurck</b> Expert in Network and Information Security ENISA</p> <p><b>Nikolaos Christoforatos</b> Senior ICT Systems Specialist ENISA</p>
<p><b>14:00 – 14:05</b></p>	<p><b>Break</b></p>	
<p><b>14:10 – 14:20</b></p>	<p><b>Closing Remarks</b></p>	<p><b>Dr. George J. Konnis</b> Managing Director, Head, Cyprus Academic CSIRT (CYNET-CSIRT)</p>