

Final Scientific Programme

G5744 ARW: “Cybersecurity of Industrial Control Systems (ICS)”

Date/Time	Session name	Chairman	Speaker	Title (Abstract #)
Friday, 29.10.2021				
11:00-11:30	<i>AM3.1 Vulnerability analysis, ICS/PLC/SCADA testbeds</i>	P.Smith/M.Hashimov	P. Smith	NPP Simulator Asherah
11:30-11:50			J. Suchorab	Vulnerability research of programmable logic controllers using fuzz testing method.
11:50-12:10			B. Watson	Open inference networks.
12:10-12:30			M. Hashimov; R. Alakbarov	Cyber security problems in cloud-based SCADA systems.
12:30-12:50			W. Graniszewski	A Cybersecurity Testbed for Industrial Control Systems.
12:50-13.10			G.Visky	Cyber environment for maritime sector.
13:10-13:30	Coffee Break			
13:30-14:00	<i>AM3.2 Cryptography and Digital forensics for ICS/PLCs</i>	O. Popov/ B. Nabyev	A. Iqbal, J. Olegård, O. Popov	On the Beckhoff PLC Security and Forensic Analysis.
14:00-14:20			S. Akleylek	Cyber Security Challenges and Opportunities in Quantum Era.
14:20-14:40			B. Nabyev	Investigation of computer incidents for cyber-physical infrastructures in industrial control systems Digital forensics for ICS/PLCs.
14:40-15:10	Lunch break and Poster Session (L. Sukhostat)			
15:10-15:40	<i>PM3.3 Intrusion detection, mitigation and prevention</i>	Ch. Spirito/ L. Sukhostat	C. Spirito	Incorporating Cyber Denial and Deception Capabilities into the Nuclear and Radiological Domains.
15:40-16:00			B. Watson; L. Watson; D. Blaauw	Glass box data science on ATT&CK.
16:40-17:00			<i>(Cancelled) Free slot</i>	<i>To be defined</i>
16:00-16:20			L. Sukhostat	Anomaly detection in

				industrial control system based on the hierarchical hidden Markov model.
16:20-16:40			S. Mehdiyev	Threats and possible consequences of cyberattacks.
17:00-17:15	Cofee break			
17:15-17:20	PM3.4 - <i>Closing</i>		M.Fronczak	Results and analysis of Cyber Fortress game
17:20 -17:35		Jacek Gajewski/Rasim Alguliev	Oliver Popov, Jacek Gajewski, Rasim Alguliev	Workshop wrap-up and follow-up activities