

Final Scientific Programme

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

Date/Time	Session name	Chairman	Speaker	Title (Abstract #)
Thursday, 28.10.2021				
11:00-11:30	<i>AM2.1 Cybersecurity education and research – programmes and laboratories</i>	Mirosław Maj/Jacek Gajewski/Ramiz Aliguliyev	M. Maj/M. Fronczak	Cyber fortress - cybersecurity simulation game.
11:30-11:50			Joel Gourio/Ch. Young	CCDCOE Educational Activities
11:50-12:10			K. Szefler	Cybersecurity threat scenario for a hypothetical nuclear power plant facility.
12:10-12:30			K. Waedt	Cybersecurity Education Programme & Laboratories - Joint Industry and Universities Cooperation.
12:30-12:45 Coffee-break				
12:45-13:15	<i>AM2.2 Cybersecurity in Industry 4.0</i>	B. Jerman-Blažič/M. Mammadova	B. Jerman-Blažič	The overall web security and the presence of vulnerabilities in the web spaces of 31 European countries.
13:15-13:35			O. Illiashenko / V.Kharchenko	Theoretical and practical issues of security management systems in the context of Industry 4.0.
13:35-13:55			M. Mammadova; Z. Jabrayilova	Architecture of an intelligent health and safety management system for workers employed on offshore oil and gas platforms.
13:55-14:15			T. Mammadov	New cyber realities in securing Critical Information Infrastructures.
14:15-14:35			S. Mahmudova	Development of an intelligent software system to ensure cyber security through ontology.
14:35-14:55			M. Hashimov	Personal data security problems in smart city environment.
14:55-15:30 Lunch break and Poster Session(L. Sukhostat)				
15:30-16:00	<i>PM2.3 Cybersecurity of UAVs</i>	V. Kharchenko/F. Abdullayeva	V. Kharchenko; H. Fesenko; I. Kliushnikov	UAV fleet based monitoring of critical infrastructure objects: planning of application considering failures and cyberattacks.

16:00-16:20			F. Abdullayeva	Cybersecurity issues of some class Unmanned Aerial Vehicle systems: A survey.
16:20-16:40			O. Valikhanli	Methods of detecting cyber-attacks on Unmanned Aerial Vehicles: A survey.
16:40-17:00			R. Ibrahimov	Comparative analysis of methods for detecting unmanned aerial vehicles.
17:00-17:30	Coffee break			
17:30-18:00	PM2.4 <i>Cybersecurity of Critical Infrastructures</i>	A. Moens/ F.Yusifov	A. Moens	Cybersecurity of critical European IT infrastructures: GEANT and NRENs".
18:00-18:20			C. Spirito	Cyber Threat Assessment Methodology for Autonomous and Remote Operations for Advanced Reactors.
18:20-18:30	Technical break for Cyber Fortress Game preparation			
18:30-20:00	PM2.5 <i>Cyber Fortress Game</i>	M. Fronczak	All players	4 cyberattack scenarios, e.g. on oil-pipe