Critical infrastructure protection with laser technologies

December 11, 2020 – 15:00-16:32

15:00-15:05	Pavel Honzatko, Welcome
15:05-15:15	Marek Hrubec, Institute of Sociology of the Czech Academy of Sciences Philosophy and sociology of critical infrastructure protection
15:16-15:26	Aleš Vícha Department of Paediatric Haematology and Oncology, 2nd Medical school, Charles University of Prague and University Hospital Motol, Prague Exploitation of QPCR and QRT-PCR in human medicine
15:27-15:37	Martin Dušek, Ladislav Šašek Safibra s.r.o. Fiber optic sensors for critical infrastructure monitoring
15:38-15:48	Mikel Břetislav, Jelínek Michal, Helán Radek, Vomáčka Petr, Urban František Institute of Scientific Instruments of the Czech Academy of Sciences Nuclear Power plants containment integrity measurement by FBG sensor
15:49-15:59	Jelínek Michal, Mikel Břetislav Institute of Scientific Instruments of the Czech Academy of Sciences Measurement of gamma radiation by optical fiber sensors in a harsh environment
16:00-16:10	Pravdová Lenka, Čížek Martin, Hucl Václav, Hrabina Jan, Číp Ondřej Institute of Scientific Instruments of the Czech Academy of Sciences Optical carrier coherent transfer for critical infrastructures in the Czech Republic
16:11-16:21	Vladimír Vašínek Technical University of Ostrava, Faculty of Electrical Engineering and Computer Science Monitoring of blast furnace gas leaks on pipelines DN 1200
16:22-16:32	Pavel Honzatko Institute of Photonics and Electronics of the Czech Academy of Sciences High power lasers for protection of critical infrastructures against drones
16:33-16:35	Marek Hrubec Final Remarks

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