

WEDNESDAY October 9, 2013

07:00 - 08:00	Breakfast
08:00 - 09:15	Registration of the participants
09:15 - 09:45	Opening of the Conference (Big Hall)
09:45 - 10:05	Conference partner presentation (Big Hall)
10:05 - 10:25	Conference partner presentation (Big Hall)
10:25 - 10:50	Coffee break
10:50 - 12:30	Talks in sessions:
	◆ <u>Information and Communication Technologies in the Armed Forces (Big Hall)</u>
	◆ <u>Communication Technologies and Systems (Small Hall)</u>
12:30 - 13:30	Lunch
13:30 - 13:50	Conference partner presentation (Microsoft) (Big Hall)
13:50 - 14:10	Conference partner presentation (IBM) (Big Hall)
14:10 - 15:50	Talks in sessions:
	◆ <u>Information Systems and Information Processing I (Big Hall)</u>
	◆ <u>Technical Session (Small Hall)</u>
18:00	Dinner
	Talks in sessions:
	◆ <u>Information and Communication Technologies in the Armed Forces (Big Hall)</u> <u>Chairperson: Prof. Eng. Miroslav Liška, CSc.</u>
10:50 - 11:10	Experimental User Interfaces to 3D Visualization of C2 System (Petr Frantis)
11:10 - 11:30	Intercom Systems in Combat Vehicles (R)evolution (Tomáš Mazúrek)
11:30 - 11:50	Opportunities for cooperation tactical military communications network to public networks in the emergency operations in Poland (Maciej MARCZYK)
11:50 - 12:10	Modelling of Task Force Structures (Vlastimil Maly, Petr Hruza)
12:10 - 12:30	Information Platform for Military Universities Cooperation (Ladislav Buřita)
	◆ <u>Communication Technologies and Systems (Small Hall)</u> <u>Chairperson: Assoc. Prof. Eng. Martin Marko, CSc.</u>
10:50 - 11:10	Channel Model for Simulating Data Transmission on Terrestrial FSO Paths (Zdeněk Kolka, Viera Biolková, Dalibor Bielek)
11:10 - 11:30	Parametric Study of Multipath Propagation Effects on Terrestrial FSO Paths (Zdeněk Kolka, Viera Biolková, Dalibor Bielek)
11:30 - 11:50	Selected issues of modern HF communications (Robert Matyszkiewicz, Paweł Kaniewski, Bogusław Grochowina)
11:50 - 12:10	Electromagnetic compatibility of cosite radio instalations (Marián Babjak, Martin Marko)
12:10 - 12:30	Synthesis of Binary Capacitor (Dalibor Bielek, Viera Biolkova, Zdenek Kolka)
	◆ <u>Information Systems and Information Processing I (Big Hall)</u> <u>Chairperson: Assoc. Prof. RNDr. Lubomír Dederá, PhD.</u>
14:10 - 14:30	HADOOP: How to Process the Big Data? (Ladislav Buřita, David Koblížek)
14:30 - 14:50	OpenMP and MPI Hybrid Programming (Michal Áč)
14:50 - 15:10	Development of Interoperability C4IS (Radoslav Masnica, Jozef Štulrajter)
15:10 - 15:30	No Relational and No SQL Databases (Ladislav Buřita, Karel Zeman)
15:30 - 15:50	ICT Support in a Military Decision-making Process in Land Forces – Chosen Aspects (Grzegorz Pilarski, Józef Janczak)
14:10 - 15:50	◆ <u>Technical Session (Small Hall)</u> <u>Chairperson: Col. Eng. Ivan Ilavský</u>

THURSDAY October 10, 2013

07:00 - 08:00	Breakfast
08:20 - 08:40	Conference partner presentation (Big Hall)
08:40 - 09:00	Conference partner presentation (Big Hall)
09:00 - 10:20	Talks in sessions:
	◆ <u>Information Systems and Information Processing II (Big Hall)</u>
	◆ <u>Signal Processing (Small Hall)</u>
10:20 - 10:30	Coffee break
10:30 - 11:10	Talks in sessions:
	◆ <u>Cybersecurity and Networking Operations I (Big Hall)</u>
	◆ <u>Student's Session (Small Hall)</u>
11:10 - 11:30	Conference partner presentation (Big Hall)
11:30 - 11:50	Conference partner presentation (Big Hall)
12:30 - 13:30	Lunch
14:00 - 18:00	Sport and recreational activities – individual or organized
19:00	Reception (Big Hall)
	Talks in sessions:
	◆ <u>Information Systems and Information Processing II (Big Hall)</u> <u>Chairperson: Assoc. Prof. RNDr. Lubomír Dederá, PhD.</u>
09:00 - 09:20	Contribution of a PART Neural Network in the Discovery of Structure in Text Collections (Roman Krakovský, Igor Mokriš)
09:20 - 09:40	Use of Artificial Neural Networks in Cryptography (Martin Javurek, Michal Turčaník, Marcel Harakaľ, Miloš Očkay)
09:40 - 10:00	Time Efficiency and Quality Measurement of Fuzzy ART Neural Network for documents clustering (Michal Rojček, Igor Mokriš)
10:00 - 10:20	Information Retrieval from Web Documents with Utilization of Neural Networks (Lenka Skovajsová, Igor Mokriš)
	◆ <u>Signal Processing (Small Hall)</u> <u>Chairperson: Prof. Eng. Jozef Štulrajter, CSc.</u>
09:00 - 09:20	Optical Satellite Communication Systems (Markéta Vrščeká)
09:20 - 09:40	SigmaDSP processors for audio signal processing (Miloš Ježek, Jozef Puttera, Roman Berešik)
09:40 - 10:00	Sensor System Powered by One Wire (Jaroslav Cechak)
10:00 - 10:20	The concept of long-range communication with a UAV (Emil Kubera, Krzysztof Łysek, Mateusz Michalski)
	◆ <u>Cybersecurity and Networking Operations I (Big Hall)</u> <u>Chairperson: Assoc. Prof. Eng. Marcel Harakaľ, PhD.</u>
10:30 - 10:50	Potential threats in tactical networks (Szymon KAČIK, Mateusz MICHALSKI, Krzysztof STRZELCZYK, Krzysztof ZUBEL)
10:50 - 11:10	Eduroam and its New Security Aspects (Josef Kaderka, Jan Rafaj)
	◆ <u>Student's Session (Small Hall)</u> <u>Chairperson: Eng. Július Baráth, PhD.</u>
10:30 - 12:10	Cyber Security and Critical Infrastructure: Ways of Directing Attacks and their Protect (Jana Smejdirova)
10:30 - 10:50	Hackivism in Czech Republic (Lubomír Almer)

FRIDAY October 11, 2013

07:00 - 08:00	Breakfast
08:40 - 10:20	Talks in sessions: ◆ Cybersecurity and Networking Operations II (Big Hall)
10:20 - 11:00	Coffee break
11:00 - 11:30	Closing of the Conference (Big Hall)
11:30	Lunch

Talks in sessions:

◆ **Cybersecurity and Networking Operations II (Big Hall)**

Chairperson: Eng. Július Baráth, PhD.

08:40 - 09:00	IODEF Protocol for Exchange of Cybersecurity Information (Július Baráth)
09:00 - 09:20	Lessons Learned from Military Cyber Defence Exercises (Branislav Kulich)
09:20 - 09:40	Multi-sensor Data Fusion and Sensor Fusion Models (Jozef Jurčo, Jozef Puttera, Roman Berešík)
09:40 - 10:00	Man-in-the-middle attack (Vítězslav Šnorich)
10:00 - 10:20	Domain Name System Black List False Reporting Attack (Miloš Očkay, Martin Javurek)

All the articles were reviewed by the members of editorial board

Conference Partners:



Communication and Information Technologies

KIT 2013

7th International Scientific Conference
October 9th - 11th IT - Hotel Tatranské Zruby

Conference Program