

WEDNESDAY October 4, 2017

07:00 – 08:00	Breakfast
08:00 – 09:30	Registration of the participants
09:30 – 09:50	◆ Opening of the Conference
09:50 – 10:20	◆ Conference partner presentation - Microsoft
10:20 – 10:40	Coffee break
10:40 – 12:00	Talks in sessions:
	◆ <u>Signal Processing and Communication Technologies I</u>
12:00 – 13:20	Lunch
13:20 – 13:40	◆ Conference partner presentation - HP
13:40 – 15:00	Talks in sessions:
	◆ <u>Information Systems and Information Processing I</u>
15:00 – 15:20	Coffee break
15:20 – 16:20	Talks in sessions:
	◆ <u>Signal Processing and Communication Technologies II</u>
16:30 – 18:00	Talks in sessions:
	◆ <u>Technical Session</u>
18:00	Dinner

Talks in sessions:

- ◆ Signal Processing and Communication Technologies I
Chairperson: František NEBUS
10:40 - 11:00 Analysis of Transmitter-Blocking Technique for Terrestrial FSO Links (Zdenek KOLKA, Viera BIOLKOVA, Dalibor BIOLEK)
11:00 - 11:20 New Version of SNAP Simulator (Zdenek KOLKA, Viera BIOLKOVA, Dalibor BIOLEK)
11:20 - 11:40 Test Results of Polish SDR Narrowband Radio (Marcin WIŚNIEWSKI, Adam DOBKOWSKI, Grzegorz PATER, Robert MATYSZKIEL, Paweł KANIEWSKI, Bogusław GROCHOWINA)
11:40 - 12:00 The Results of Transmission Tests of Polish Broadband SDR Radios (Robert MATYSZKIEL, Paweł KANIEWSKI, Rafał POLAK, Dariusz LASKOWSKI)
- ◆ Information Systems and Information Processing I
Chairperson: Lubomír DEDERA
13:40 - 14:00 Communication and Information Technologies in Articles on Web of Science (Ladislav BUŘITA)
14:00 - 14:20 Theory of PI controller and introduction to implementation for DC motor controls (Alek LICHTMAN, Peter FUCHS)
14:20 - 14:40 SIMEX Simulation Tool - "Accident" Crisis Scenario and Crisis Management Entities' Exercise (Hana MALACHOVÁ, Alena OULEHLOVÁ, Pavel KINCL)
14:40 - 15:00 Support of information relations in the network of tactical command posts (Grzegorz PILARSKI)
- ◆ Signal Processing and Communication Technologies II
Chairperson: Marián BABJAK
15:20 - 15:40 Wideband Electronic Reconnaissance and Localization in Jamming Environment (Marián BABJAK, Ján OCHODNICKÝ, Zdeněk MATOUŠEK)
15:40 - 16:00 Modeling of Signal Processing from Sensors in a Probabilistic Model in a Network-Oriented Environment (Radoslav MASNICA, Jozef ŠTULRAJTER)
16:00 - 16:20 Near-field Region Electromagnetic Sources Localization Model Verification (Stanislava GAŽOVÁ, František NEBUS)
- ◆ Technical Session
Chairperson: Marcel HARAKAL
16:30 - 18:00 Discussion on current problems and trends in ICT within Armed Forces.

THURSDAY October 5, 2017

07:00 - 08:00	Breakfast
11:00 - 11:20	◆ Conference partner presentation - Aliter
08:20 - 09:40	Talks in session:
	◆ <u>Information Systems and Information Processing II</u>
09:40 - 10:00	Coffee break
10:00 - 11:40	Talks in sessions:
	◆ <u>Signal Processing and Communication Technologies III</u>
11:40 - 12:00	◆ Conference partner presentation - Lynx
12:00 - 13:30	Lunch
14:00 - 18:00	Sport and recreational activities – individual or organized
19:00	◆ Reception

Talks in sessions:

- ◆ Information Systems and Information Processing II
Chairperson: Lubomír DEDERA
08:00 - 08:20 New Experience with Allan Variance (Miroslav MATEJČEK, Mikuláš ŠOSTRONEK)
08:20 - 08:40 Contribution to Image Steganography Using Pulse Coupled Neural Networks (Radoslav FORGÁČ, Roman KRAKOVSKÝ)
08:40 - 09:00 Long Short-Term Memory Description and its Application in Text Processing (Lenka SKOVAJSOVÁ)
09:00 - 09:20 Hash function generation based on neural networks and chaotic maps (Michal TURČANÍK)
09:20 - 09:40 Changes of focus area in educating students in Information Technology for last three decades (Maciej MARCZYK, Bartosz BIERNACIK)
- ◆ Signal Processing and Communication Technologies III
Chairperson: Miroslav ĎULÍK
10:00 - 10:20 Analysis of Wireless Sensor Network Structure and Life Time Affecting Factors (Aleksejs JURENOKS, Leonids NOVICKIS)
10:20 - 10:40 Immunity of Automatic Modulation Classification algorithms against inaccurate estimation of signal parameters (Krzysztof KOSMOWSKI, Krzysztof PRAWDZIK, Grzegorz BARANOWSKI)
10:40 - 11:00 Fuzzy Controlled Optical Network (Gabriel CIBIRA, Miroslav ĎULÍK)
11:20 - 11:40 Radar Target Tracking by Kalman and Particle Filter (Peter ROHAL, Ján OCHODNICKÝ)

FRIDAY October 6, 2017

07:00 - 08:00	Breakfast
08:40 - 10:20	Talks in session:
	◆ Cybersecurity
10:20 - 10:40	Coffee break
10:40 - 11:40	Talks in session:
	◆ Information and Communication Technologies in the Armed Forces
11:40 - 12:00	◆ Closing of the Conference
12:00	Lunch
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Talks in sessions:	

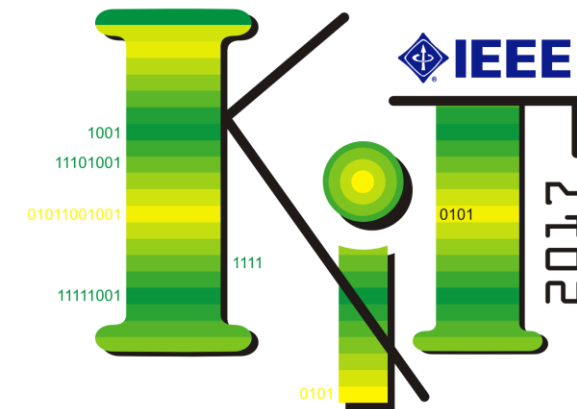
	◆ Cybersecurity
	Chairperson: Michal TURČANÍK
08:40 - 09:00	How to design a method for measuring IT security in micro enterprises for IT security level measuring? (Michael HEIDENREICH)
09:00 - 09:20	Critical infrastructure protection – Information security (Lubomír ALMER, Petr HRŮZA)
09:20 - 09:40	Optimizing Windows 10 logging to detect network security threats (Július BARÁTH)
09:40 - 10:00	An Evaluation of output from current Java Bytecode decompilers (Jozef KOSTELANSKÝ, Ľubomír DEDERA)
10:00 - 10:20	Network security based on firewalls (Boris MATEJ, Martin DROPPA)
	◆ Information and Communication Technologies in the Armed Forces
	Chairperson: Július BARÁTH
10:40 - 11:00	A Method for Planning Military Scenarios in Military Scenario Definition Language (Marek BENČÍK, Ľubomír DEDERA)
11:00 - 11:20	General-purpose computing on GPU Pixel processing (Miloš OČKAY)
11:20 - 11:40	OODA Loop in Command & Control Systems (Martin RÉVAY, Miroslav LÍŠKA)

Conference Partners



Communication and Information Technologies

Conference Program



9th International Scientific Conference

October 4th - 6th, 2017 - Hotel Granit Tatranské Zruby

<http://kit2017.aos.sk>



Organizers reserve rights to modify program schedule.