

**THE SEVENTH INTERNATIONAL PHD STUDENTS' WORKSHOP
CONTROL & INFORMATION TECHNOLOGY – IWCIT'08
Final conference programme**

1st Day, Thursday, September 18		
8 ⁰⁰ – 9 ⁴⁵	Registration	
9 ⁴⁵ – 10 ⁰⁰	Opening of the Workshop (prof. Z. Filus) – Room D	
	Room D	Room E
10 ⁰⁰ - 11 ⁴⁰	Information Technology <u>Session IT – A1</u>	Information Technology <u>Session IT – B1</u>
11 ⁴⁰ - 12 ⁰⁰	Coffee Break	
12 ⁰⁰ - 13 ²⁰	Information Technology <u>Session IT – A2</u>	Control Systems <u>Session CS – B2</u>
13 ²⁰ - 15 ⁰⁰	Lunch Break	
15 ⁰⁰ - 16 ²⁰	Information Technology <u>Session IT – A3</u>	Control Systems <u>Session CS – B3</u>
16 ²⁰ - 16 ⁴⁰	Coffee Break	
16 ⁴⁰ - 18 ⁰⁰	Information Technology <u>Session IT – A4</u>	Electronics and Telecommunication <u>Session ET – B4</u>
2nd Day, Friday, September 19		
	Room D	Room E
9 ⁰⁰ – 10 ²⁰	Electronics and Telecommunication <u>Session ET – A5</u>	Electronics and Telecommunication <u>Session ET – B5</u>

Session IT-A1 Thurs 10:00 – 11:40 Chairman: prof. E.Tkacz	Room D Information Technology	Session IT-B1 Thurs 10:00 – 11:40 Chairman: prof. E. Piętka	Room E Information Technology
Application of LM Algorithm to Parameter Estimation of Cell Signaling Pathway Model Adamusiński Łukasz		Synchronisation of the Video and EEG Signal in Order to Detect Eye Artefacts Babušiak Branko	
Fuzzy-Qualitative Approaches on Vague Systems Modelling Hon Vladimír, Pokorný Miroslav		The Circadian Rhythm Monitoring Cerny Martin, Penhaker Marek	
The Selection of Patterns in Training Set for On-Line Neural Network Identification Lorenc Vlastimil		The Optimization of Close-Loop Insulin-Blood Glucose Model with the Use of Bar Dry Tests Doniec Rafał	
Autonomous Agent as Transactional System Based on the Technical Analysis Sot Karol, Świącicki Mariusz, Wajs Wiesław		Automatic Sleep Status Analysis Gála Michal, Mohylová Jitka	
A Novel Genetic Algorithm for Solving the Economic Dispatch Problem Tran Khanh Hung		Low-Level Analysis of Oligonucleotide Microarrays Gintrowski Artur, Tkacz Ewaryst	

Session IT-A2 Thurs 12:00 – 13:20 Chairman: dr A. Pułka	Room D Information Technology	Session CS-B2 Thurs 12:00 – 13:20 Chairman: doc. W. Ciężyński	Room E Control Systems
Robust Cepstral Features for Speaker Verification Bąk Mariusz		Tentacle Robotic Arm Based on the Smart Materials Florescu Mihaela Cecilia	
Portable Executable Files Security Patterns Liviu Petrean, Todorean Gavril		Mobile System on LabVIEW Environment Based on CompactRIO Gancarczyk Arkadiusz	
Wavelet Transform for SIMD Architectures Malý Jan		Evaluation of Adaptive Stochastic Control in Pyrolysis Reactor Messaouda Azzouzi	
UML Model Validation with Axiomatic Knowledge Architecture in Context of Expert System for MDA Líška Miroslav		Ordered Adaptive Vector Median Filter Tomczyk Marcin	

Session IT-A3 Thurs 15:00 – 16:20 Chairman: dr N. Henzel	Room D Information Technology	Session CS-B3 Thurs 15:00 – 16:20 Chairman: dr Z. Rymarski	Room E Control Systems
Sequential Fragmentation in Earth Observation Images Dragos Bratanu, Popescu Anca, Faur Dana, Datcu Mihai		Linear Programming Methodology in Medium Optimization of Pyrolysis Reactor Messaouda Azzouzi	
SAR and Optical Change Detection Based on Information Theoretical Similarity Measures: A Comparison Patrascu Carmen, Popescu Anca, Gavät Inge, Datcu Mihai		Predictive Control with Nonlinear Neural Network Model Miksaneek Wojtech	
SAR Image Time-Frequency Information Extraction Based on Rényi Entropy Popescu Anca-Andreea, Gavät Inge, Datcu Mihai		Sensorless Control of Asynchronous Motor Using Voltage Signal Injection Korbel Petr, Krecek Tomas	
		Improved Adaptive Vector Median Filter Tomczyk Marcin	

Session IT-A4 Thurs 16:40 – 18:00 Chairman: prof. Z. Filus	Room D Information Technology	Session ET-B4 Thurs 16:40 – 18:00 Chairman: prof. E. Hryniewicz	Room E Electronics and Telecommunication
Camera Calibration Techniques Noskovičová Lucia		Virtual Instrument for Sag Modeling and Analysis in Power Quality Gasparesc Gabriel	
Image Characterization Using Multi-Object Spatial Relationships Vaduva Corina, Faur Daniela, Gavät Inge, Datcu Mihai		New Converters for Electric Vehicles Vaculík Petr, Rech Pavel	
Virtual Reconstruction Zielona Góra Old Town Using VRML Zawadzki Tomasz, Warszawski Korneliusz		Dynamic Partial Reconfiguration of FPGAs Kvas Marek	

Session ET-A5	Room D	Session ET-B5	Room E
Fri 9:00 – 10:20	Electronics and Telecommunication	Fri 9:00 – 10:20	Electronics and Telecommunication
Chairman: doc. A. Błaszowski		Chairman: dr J. Izydorzyc	
An Application of the Charge Balanced Bridge for the Resistive Voltage Divider Ratio Measurements		Localization in Wireless Personal Area Networks	
Piaskowy Anna		Kana Zdenek	
Disclosure Emission Analyses for Expanded Design Flow of FPGA/ASIC		Impedance Matching Concepts in RF Systems Based on TRF7960 Example	
Szelest Marcin		Kyzioł Piotr, Grzechca Damian, Jantos Piotr, Rutkowski Jerzy	
Verilog Implementation of Image Rejection Filter Based on Statistical Computation		Web-Based and Mobile Communication in Healthcare Sector	
Kirei Botond Sandor, Topa Marina, Dornean Irina, Fazakas Albert		Silhavy Petr, Silhavy Radek	
Analog Current-Mode Multiplying Cell		Wireless Communication for Robot-Soccer Application	
Szolga Lorant Andras, Festila Lelia, Cirlugea Mihaela		Wagner Petr	