

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

| 1st Day, Thursday, September 18 | | |
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| $8^{00} - 9^{45}$ | 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. Piętko | 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 Mały 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. Izydorczyk | |
| An Application of the Charge Balanced Bridge for the Resistive Voltage Divider Ratio Measurements Piaskowy Anna | | Localization in Wireless Personal Area Networks Kana Zdenek | |
| Disclosure Emission Analyses for Expanded Design Flow of FPGA/ASIC Szelest Marcin | | Impedance Matching Concepts in RF Systems Based on TRF7960 Example Kyzioł Piotr, Grzechca Damian, Jantos Piotr, Rutkowski Jerzy | |
| Verilog Implementation of Image Rejection Filter Based on Statistical Computation Kirei Botond Sandor, Topa Marina, Dornean Irina, Fazakas Albert | | Web-Based and Mobile Communication in Healthcare Sector Silhavy Petr, Silhavy Radek | |
| Analog Current-Mode Multiplying Cell Szolga Lorant Andras, Festila Lelia, Cirlugea Mihaela | | Wireless Communication for Robot-Soccer Application Wagner Petr | |