

THURSDAY, JUNE 28, 2007	
15:00-18:00	REGISTRATION
18:00	MEETING, ROOM 10
19:00	LEAVING TO THE GET – TOGETHER DINNER
FRIDAY, JUNE 29, 2007	
08:30-16:00	REGISTRATION
09:00-09:30 Room: AULA	OPENING Welcome Greetings (Rectors, Chairs, Deans)
09:30-10:50 AULA	KEYNOTES: Prof. Anna Bartkowiak, Prof. Ryszard Tadeusiewicz, Prof. Ajith Abraham Chairs: Prof. Sławomir T. Wierzchoń, Prof. Romuald Mosdorf, Dr Khalid Saeed
10:50-11:10	TEA/COFFEE BREAK
11:15-12:35 AULA	KEYNOTES: Prof. Václav Snášel, Prof. Yasufumi Takama Chairs: Prof. Akira Imada, Prof. Wojciech S. Mokrzycki, Prof. Piotr Porwik
12:35-12:50 AULA	ORAL PRESENTATION: Nature Inspired Computing, Problem Solving and Computer System Engineering
12:55-13:25	POSTER SESSION: Nature Inspired Computing, Problem Solving and Computer System Engineering
13:30-14:35	LUNCH
14:35-15:50 Room 1	ORAL PRESENTATION: Digital Communication and Information Management
15:55-16:25	POSTER SESSION: Digital Communication and Information Management
16:30-16:50	TEA/COFFEE BREAK
16:55-18:55	KEYNOTES: Prof. Adam Dąbrowski, Prof. Svein Knapskog, Prof. Ryszard Choraś Chairs: Prof. Anna Bartkowiak, Prof. Ajith Abraham, Prof. Yasufumi Takama
19:00-19:30	POSTER SESSION: Image Processing, Recognition, and Biometrics
20:00	FRESH-AIR DINNER
SATURDAY, JUNE 30, 2007	
09:00-11:00	REGISTRATION
09:15-10:35 AULA	KEYNOTES: Prof. Kurosh Madani, Prof. Robert E. Hiromoto Chairs: Prof. Adam Dąbrowski, Prof. Ryszard Choraś, Prof. Halina Kwaśnicka
10:35-11:50 AULA	ORAL PRESENTATION: Image Processing, Recognition, and Biometrics
11:55-12:15	TEA/COFFEE BREAK
12:20-13:40	KEYNOTES: Dr. Marcin Paprzycki, Prof. Akira Imada Chairs: Prof. Václav Snášel, Prof. Kurosh Madani, Prof. Svein Knapskog, Prof. Ryszard Tadeusiewicz
13:45-14:15 AULA	ORAL PRESENTATION: Industrial Management
14:20-14:50	POSTER SESSION: Industrial Management
15:00-16:15	LUNCH
16:15-17:00 Room 1	ORAL PRESENTATION: Intelligent Computing and Frameworks
17:05-17:35	POSTER SESSION: Intelligent Computing and Frameworks
17:40	TEA/COFFEE BREAK AND CONCLUDING MEETING

FRIDAY, JUNE 29, 2007

12:35-12:50 ORAL PRESENTATION: Nature Inspired Computing, Problem Solving and Computer System Engineering

- *Andrzej Domaradzki*, AIS for Trend Change Detection

12:55-13:25 POSTER SESSION: Nature Inspired Computing, Problem Solving and Computer System Engineering

Chairs: Prof. Yuriy Grishin, Dr Michael O'Grady

- *Krzysztof Trojanowski*, B-Cell Algorithm as a Parallel Approach to Optimization of Moving Peaks Benchmark Tasks
- *Urszula Boryczka*, Ants and Multiple Knapsack Problem
- *Andrzej Chmielewski and Sławomir T. Wierzchoń*, Simple Method of Increasing the Coverage of Nonself Region for Negative Selection Algorithms
- *Maciej Brzozowski and Vyacheslav N. Yarmolik*, Obfuscation as Intellectual Rights Protection in VHDL Language
- *S.V. Yarmolik, I. Mrozek, and B. Sokół*, Address Sequences Generation for Multiple Run Memory Testing
- *Valery Salauyou and Tomasz Grześ*, FSM State Assignment Methods for Low-Power Design
- *Joanna Witkowska and Piotr Borowski*, Types and Methods of Chaos Synchronization

14:35-15:50 ORAL PRESENTATION: Digital Communication and Information Management

Chairs: Prof. Robert E. Hiromoto

- *U. Bilbao, P. Bustamante, N. Guarretxena and J. Santo Domingo*, Wireless Sensor Network for Intravenous Dripping Systems
- *Nabendu Chaki and Rituparna Chaki*, ORRP: Optimal Reactive Routing Protocol for Mobile Ad-Hoc Networks
- *Péter Fülöp and Benedek Kovács*, Enhanced Mobility Management Modelling Framework
- *John Tsiligaridis and Raj Acharya*, An Adaptive Data Broadcasting Model in Mobile Information Systems
- *Bartłomiej Ziółkowski and Janusz Stokłosa*, Mobile Agent-based Digital Rights Management Scheme

15:55-16:25 POSTER SESSION: Digital Communication and Information Management

Chairs: Prof. Jin Zhou, Dr Urszula Markowska – Kaczmar

- *Rituparna Chaki and Nabendu Chaki*, IDSX: A Cluster Based Collaborative Intrusion Detection Algorithm for Mobile Ad-Hoc Network
- *Yuri Grishin*, Spread Spectrum Signals Classification Based on the Wigner-Ville Distribution and Neural Network Probability Density Function Estimation
- *Xu Chen, M.J. O'Grady, and G.M.P. O'Hare*, Towards a Pervasive Mobile Multimedia Experience
- *Romuald Mosdorf and Bożena Ignatowska*, On Frequency Synchronization of e-learning Web System Users
- *Bartosz Oler and Imed El Fray*, Deniable File System Application of Deniable Storage to Protection of Private Keys
- *Grzegorz Kurdziel and Halina Kwaśnicka*, VCOP – The System of Visual Communication with Computers for Paralyzed Users

19:00-19:30 POSTER SESSION: Image Processing, Recognition, and Biometrics

Chairs: Dr Jolanta Koszelew, Dr Krzysztof Trojanowski

- *Jin Zhou, Yang Liu, and Yuehui Chen*, Face Recognition Using Kernel PCA and Hierarchical RBF Network
- *Jin Zhou, Yang Liu, and Yuehui Chen*, ICA Based on KPCA and Hybrid Flexible Neural Tree to Face Recognition
- *Robert Burduk*, Fuzzy Data in Local Optimal Strategy of Multistage Recognition
- *P. Andruszkiewicz, C. Bóldak, and J. Jaroszewicz*, Semi-Automatic Segmentation of Fibrous Liver Tissue
- *Michał Choraś*, Image Feature Extraction for Ear Biometrics — A Study
- *Anna Piwońska and Urszula Grycuk*, Images Reconstruction with Use of a Genetic Algorithm
- *Dariusz Małyszko and Sławomir T. Wierzchoń*, Standard and Genetic *k*-means Clustering Techniques in Image Segmentation
- *Ban N. Thanoon*, Using Wavelet Transform, DPCM and Adaptive Run-length Coding to Compress Images
- *Jarosław Kilon, Aida Saeed-Baginska, Jerzy Sienkiewicz, and Romuald Mosdorf*, Nonlinear and Frequency Analysis of the Weather in Białystok
- *Jerzy Sas and Urszula Markowska-Kaczmar*, Semi-Supervised Handwritten Word Segmentation Using Character Samples Similarity Maximization and Evolutionary Algorithm
- *Paweł Tadejko and Waldemar Rakowski*, Mathematical Morphology Based ECG Feature Extraction for the Purpose of Heartbeat Classification
- *W.S. Mokrzycki and A. Salamończyk*, Using Shaded Views in 3D Multiview Representation of Monotonous Polyhedron

SATURDAY, JUNE 30, 2007

10:50-11:50 ORAL PRESENTATION: Image Processing, Recognition, and Biometrics

Chairs: Dr Urszula Boryczka, Dr Anna Piwońska

- *Piotr Porwik*, The Compact Three Stages Method of the Signature Recognition
- *Marek Tabędzki and Khalid Saeed*, Modified Word Recognition System — New Performance
- *Khalid Saeed and Krzysztof Piekarski*, On Töeplitz Matrices Minimal Eigenvalues in Moving Object Description
- *Halina Kwaśnicka, Mariusz Paradowski, and Krzysztof Borysewicz*, Capillaroscopy Image Analysis as an Automatic Image Annotation Problem
- *Pavel Moravec, Václav Snášel, Alexander Frolov, Dušan Husek, Hana Řezanková, and Pavel Polyakov*, Image Analysis by Methods of Dimension Reduction

13:15-14:15 ORAL PRESENTATION: Industrial Management

Chairs: Dr Marcin Paprzycki

- *Jan Jekielek*, Managing Information on Industrial Automation Projects
- *Marcin Paprzycki and Maria Ganzha*, Adapting Price Negotiations to an E-commerce System Scenario

14:20-14:50 POSTER SESSION: Industrial Management

Chairs: Dr Joanna Moczydłowska, Dr Tamás Szálka

- *Joanna Moczydłowska*, Organizational Knowledge Measurement
- *Milena Tvrdíková*, Support of Decision Making by Business Intelligence Tools
- *Anna Zajkowska, Wojciech Zimnoch, and Khalid Saeed*, A Study on the Importance of Biometric Technique Selection in the Protection of Company Resources
- *Anna Strychalska-Rudzewicz*, Cooperation of Enterprises in the Area of Innovative Activity

- *Daniel Kiper*, Business continuity and disaster recovery in air traffic control in view of newly developed standards

16:15-17:00 ORAL PRESENTATION: Intelligent Computing and Frameworks

Chairs: Dr Cezary Boldak, Dr Lidia Ogiela

- *Bartłomiej Gudowski and Jarosław Wąs*, Some Criteria of Making Decisions in Pedestrian Evacuation Algorithms
- *Paweł Bogusławski and Christopher Gold*, Atomic Operators for Construction and Manipulation of the Augmented Quad-Edge
- *Rafał Góralski, Christopher Gold, and Maciej Dakowicz*, Application of the Kinetic Voronoi Diagram to the Real-Time Navigation of Marine Vessels

17:05-17:35 POSTER SESSION: Intelligent Computing and Frameworks

Chairs: Dr John Tsiligaridis

- *Péter Fülöp, Sándor Szabó, and Tamás Szálka*, Location Prediction Methods with Markovian Approach and Extended Random Walk Model
- *Jolanta Koszelew*, The Theoretical Framework of the Optimization of Public Transport Travel
- *Joanna Karbowska-Chilińska*, Estimation of the Average Time of Computation of Probabilistic Algorithms with Continuous Time Parameter
- *Lidia Ogiela*, UBMSS (Understanding Based Managing Support Systems) as an Example of the Application of Cognitive Analysis in Data Analysis
- *Agnieszka Makarec*, Interpretation of Probabilistic Algorithmic Logic in Nondeterministic Algorithmic Logic
- *Moustapha Sène, Michel Barret, and Kurosh Madani*, Bearing's Behavior Modeling for Mechanical Defects' Detection and Diagnosis
- *Amine Chohra, Nadia Kanaoui, and Kurosh Madani*, Hybrid Intelligent Diagnosis Systems
- *Maciej Dakowicz and Christopher Gold*, Finite Difference Runoff Modelling Using "Voronoi Buckets"
- *Krzysztof Ciesielski, Mieczysław A. Kłopotek, and Sławomir T. Wierchoń*, Histogram-based Dimensionality Reduction of Term Vector Space