

**13th International Conference
Artificial Intelligence and Soft Computing**

Program

Zakopane, Poland, June 1-5, 2014

Detailed Program

Sunday, June 1

19:00

Welcome party

Room Zakopane

Monday, June 2

07:30-8:30

Breakfast

8:30-8:50

Opening Ceremony

Invited Talk, Chair: Leszek Rutkowski, Room Tatry

8:50 - 9:35

Derong Liu – “Self-Learning Control of Nonlinear Systems based on Iterative Adaptive Dynamic Programming Approach”

9:35 - 10:20

Hojjat Adeli – “Chaos-Wavelet-Neural Network Models for Automated Diagnosis of Neurological and Psychiatric Disorders”

10:20-10:40

Coffee break

Session: Neural Networks 1 Chair: Józef Korbicz Date/Time: 10:40-13:00, Mon., June 2, 2014 Venue: Rysy A	Session: Fuzzy Systems Chair: Robert K. Nowicki Date/Time: 10:40-13:00, Mon., June 2, 2014 Venue: Rysy B	Session: Evolutionary Algorithms 1 Chair: Ivan Zelinka Date/Time: 10:40-13:00, Mon., June 2, 2014 Venue: Giewont
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<p>A Cascade Neural Network Architecture investigating Surface Plasmon Polaritons propagation for thin metals in OpenMP <i>Francesco Bonanno, Giacomo Capizzi, Grazia Lo Sciuto, Christian Napoli, Giuseppe Pappalardo, Emiliano Tramontana</i></p> <p>A New Multilayer Perceptron Initialisation Method with Selection of Weights on the Basis of the Function Variability <i>Krzysztof Halawa</i></p> <p>Soft committee machine using simple derivative term <i>Kazuyuki Hara, Kentaro Katahira</i></p> <p>Representations of Highly-Varying Functions by One-Hidden-Layer Networks <i>Vera Kurkova</i></p> <p>Non-Euclidean Principal Component Analysis for Matrices by Hebbian Learning <i>Mandy Lange, David Nebel, Thomas Villmann</i></p> <p>Neural-network Based Robust FTC: Application to Wind Turbines <i>Marcel Luzar, Marcin Witczak, Józef Korbicz, Piotr Witczak</i></p> <p>An Improved Adaptive Self-Organizing Map <i>Dominik Olszewski</i></p>	<p>Intuitionistic Fuzzy Decision Trees - a new Approach <i>Pawel Bujnowski, Eulalia Szmidi, Janusz Kacprzyk</i></p> <p>An industrial fuzzy PID autotuner based on the relay method <i>Sławomir Jaszczak, Joanna Kolodziejczyk</i></p> <p>A New Pseudo-Metric for Fuzzy Sets <i>Laszlo Kovacs, Joel Ratsaby</i></p> <p>Fuzzy Reinforcement Learning for Dynamic Power Control in Cognitive Radio Networks <i>Jerzy Martyna</i></p> <p>The Learning of Neuro-Fuzzy Classifier with Fuzzy Rough Sets for Imprecise Datasets <i>Bartosz A. Nowak, Robert K. Nowicki, Janusz T. Starczewski, Antonino Marvuglia</i></p> <p>Application of models of Relational Fuzzy Cognitive Maps for prediction of work of complex systems <i>Grzegorz Słoń</i></p>	<p>Solutions Space Analysis for the Combined Mathematical Model (Linear and Nonlinear) of the Water Distribution Network Design Problem <i>Marco Antonio, Cruz Chavez, Erika Yesenia, Ávila Melgar, Beatriz Martínez, Bahena Martín, Heriberto Cruz, Rosales Guillermo, Flores Sánchez</i></p> <p>Investigation of Mutation Strategies in Differential Evolution for Solving Global Optimization Problems <i>Miguel Leon Ortiz, Ning Xiong</i></p> <p>Robust Consensus: A new Measure for Multicriteria Robust Group Decision Making Problems using Evolutionary Approach <i>Kaustuv Nag, Tandra Pal, Nikhil R. Pal</i></p> <p>Preliminary Study on the Particle Swarm Optimization with the Particle Performance Evaluation <i>Michal Pluhacek, Roman Senkerik, Ivan Zelinka</i></p> <p>Numerical Optimal Control of Integral-Algebraic Equations using Differential Evolution with Fletcher's Filter <i>Wojciech Rafajłowicz</i></p> <p>Multi-Chaotic Differential Evolution: A Preliminary Study <i>Roman Senkerik, Michal Pluhacek, Ivan Zelinka, Donald Davendra, Zuzana Komínková Oplatková</i></p> <p>Archive Management in Interactive Evolutionary Computation with Minimum Requirement for Human User's Fitness Evaluation Ability <i>Hisao Ishibuchi, Takahiko Sudo, Yusuke Nojima</i></p>
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13:00 - 14:30

Lunch

Invited Talk, Chair: Janusz Starzyk, Room Tatry

14:30 - 15:15

Boris Stilman – “Discovering Components of the Primary Language”

15:15 - 16:00

Henning Müller – “Developments in medical image retrieval”

16:00 – 16:20

Coffee break

<p>Session: Neural Networks 2 Chair: Jian Wang Date/Time: 16:20-17:40, Mon., June 2, 2014 Venue: Rysy A</p>	<p>Special Session 1: Applications and Properties of Fuzzy Reasoning and Calculus Chair: Piotr Prokopowicz Date/Time: 16:20-18:00, Mon., June 2, 2014 Venue: Rysy B</p>	<p>Session: Bioinformatics, Biometrics and Medical Applications 1 Chair: Klaus Buchenrieder Date/Time: 16:20-18:00, Mon., June 2, 2014 Venue: Giewont</p>	<p>Session: Statistical Methods In Decision Problems Chair: Ansgar Steland, Ewaryst Rafajłowicz Date/Time: 16:20-18:00, Mon., June 2, 2014 Venue: Zawrat</p>
<p>Training Neural Networks on Noisy Data <i>Andrzej Rusiecki, Mirosław Kordos, Kamiński Tomasz, Greń Krzysztof</i></p> <p>Principal Component Analysis to Reduce Forecasting Error of Industrial Energy Consumption in Models Based on Neural Networks <i>Isaac Sacramento, Gueibi Souza, Raul Wazlawick</i></p> <p>Boundedness of Weight Elimination for BP Neural Networks <i>Jian Wang, Jacek M. Zurada, Yanjiang Wang, Jing Wang, Guofang Xie</i></p> <p>Hybrid system of ART and RBF neural networks for classification of vibration signals and operational states of wind turbines <i>Andrzej Bielecki, Tomasz Barszcz, Mateusz Wójcik, Marzena Bielecka</i></p>	<p>On orientation sensitive defuzzification functionals <i>Tomek Bednarek, Witold Kosiński, Katarzyna Węgrzyn-Wolska</i></p> <p>The Linguistic Modeling of Fuzzy System as Multicriteria Evaluator for Multicast Routing Algorithms <i>Piotr Prokopowicz, Maciej Piechowiak, Kotlarz Piotr</i></p> <p>Aggregation Operator for Ordered Fuzzy Numbers Concerning the Direction <i>Piotr Prokopowicz</i></p> <p>Optimizing inventory of a firm under fuzzy data <i>Irena Sobol, Kurt Frischmuth, Dariusz Kacprzak, Witold Kosiński</i></p> <p>An Approach to Cardinality of First Order Metasets <i>Bartłomiej Starosta</i></p> <p>Fuzzy Classifier for Audio Descriptors of Sounds of Birds <i>Krzysztof Tyburek, Piotr Prokopowicz, Piotr Kotlarz</i></p>	<p>An Arduino-Simulink-Control System for Modern Hand Protheses <i>Andreas Attenberger, Klaus Buchenrieder</i></p> <p>Evolving Parameters for a Noisy Biological System - the Impact of Alternative Approaches <i>David Barnes, Dominique Chu</i></p> <p>Classification of EEG signals using Vector Quantization <i>Petr Berek, Michal Prilepok, Jan Platos, Vaclav Snasel</i></p> <p>Offline Text-Independent Handwriting Identification and Shape Modeling via Probabilistic Nodes Combination <i>Dariusz Jakóbczak</i></p> <p>Application of Machine Learning Techniques to Recognition of Occluded Objects and Classification of Breast Cancers from Ultrasound Images <i>Behnam Karimi, Joseph Chu, Adam Krzyzak</i></p>	<p>Nonparametric Quantile Estimation and Applications to Risk Assessment and Sampling Plans in Photovoltaics <i>Ansgar Steland</i></p> <p>Small sample size in high dimensional space - minimum distance based classification <i>Ewa Skubalska-Rafajłowicz</i></p> <p>Statistical classifier with ordered decisions as an image based controller with application to gas burners <i>Ewaryst Rafajłowicz, Halina Pawlak-Kruczek, Wojciech Rafajłowicz</i></p>

18:30

Social event (outdoor bonfire in the vicinity of the hotel)

Tuesday, June 3**07:30-8:30**

Breakfast

8:30 – 8:40**Address of Włodzisław Duch, Secretary of State for the Ministry of Science and Higher Education (online from Warsaw)****Invited Talk, Chair: Vera Kurkova, Room Tatry****8:40 - 9:25**

Hisao Ishibuchi – “Multi-Objective Evolutionary Fuzzy Rule-Based Classifier Design”

9:25 - 10:10

Gary Yen – “State-Of-The-Art Many Objective Evolutionary Algorithms And Its Applications In Weather Forecasting”

10:10-10:30**Coffee break**

Session: Various Problems of Artificial Intelligence 1
 Chair: Wojciech Bożejko
 Date/Time: 10:30-13:10, Tue., June 3, 2014
 Venue: Rysy A

Session: Data Mining
 Chair: Rafal Zdunek
 Date/Time: 10:30-13:10, Tue., June 3, 2014
 Venue: Rysy B

Session: Bioinformatics, Biometrics and Medical Applications 2
 Chair: Marek Drużdżel
 Date/Time: 10:30-13:10, Tue., June 3, 2014
 Venue: Giewont

<p>On Measuring Association Between Groups of Rankings in Recommender Systems <i>Hanna Łącka, Przemysław Grzegorzewski</i></p> <p>Solving timetabling problems on GPU <i>Wojciech Bożejko, Łukasz Gniewkowski, Mieczysław Wodecki</i></p> <p>Scheduling problem with uncertain parameters in Just in Time system <i>Wojciech Bożejko, Paweł Rajba, Mieczysław Wodecki</i></p> <p>Experimental Analysis with Variable Neighborhood Search for Discrete Optimization Problems <i>Marco Antonio Cruz Chavez, Alina Martínez Oropeza, Jesus Del Carmen, Peralta Abarca, Martín Heriberto, Cruz Rosales, Martín Martínez Rangel</i></p> <p>Emergent Phenomena in Constrained 3D Layout Design <i>Katarzyna Grzesiak-Kopeć, Maciej Ogorzałek</i></p> <p>Brainy: A Machine Learning Library <i>Michał Konkol</i></p>	<p>Visual Dictionary Pruning using Mutual Information and Information Gain <i>Piotr Artymjew, Przemysław Górecki</i></p> <p>Mining Telecommunications Networks to Enhance Customer Lifetime Predictions <i>Aimée Backiel, Bart Baesens, Gerda Claeskens</i></p> <p>A Note on Machine Learning Approach to Analyze the Results of Pairwise Comparison Based Parametric Evaluation of Research Units <i>Mateusz Baran, Konrad Kulakowski, Antoni Ligęza</i></p> <p>Bagging of Instance Selection Algorithms <i>Marcin Blachnik, Mirosław Kordos</i></p> <p>Essential Attributes Generation for Some Data Mining Tasks <i>Maciej Krawczak, Grażyna Szkatuła</i></p> <p>Visualizing Random Forest with Self-Organising Map. <i>Piotr Płoński, Zaremba Krzysztof</i></p> <p>B-Spline Smoothing of Feature Vectors in Nonnegative Matrix Factorization <i>Rafał Zdunek, Andrzej Cichocki, Tatsuya Yokota</i></p> <p>Variants and Performances of Novel Direct Learning Algorithms for L2 Support Vector Machines <i>Ljiljana Zigic, Vojislav Kecman</i></p>	<p>The Classifier for Prediction of Peri-operative Complications in Cervical Cancer Treatment <i>Jacek Kluska, Maciej Kusy, Bogdan Obrzut</i></p> <p>Impact of Bayesian Network Model Structure on Diagnostic Accuracy of Medical Diagnostic Systems <i>Agnieszka Oniśko, Marek Drużdżel</i></p> <p>A New Three-dimensional Facial Landmarks in Recognition <i>Sebastian Pabiasz, Janusz T. Starczewski, Antonino Marvuglia</i></p> <p>Computer-aided off-line diagnosis of epileptic seizures <i>Grzegorz Rutkowski, Krzysztof Patan</i></p> <p>Active region approach for segmentation of medical images <i>Paweł Tracz, Piotr Szczepaniak</i></p> <p>SCM-Driven Tree View for Microarray Data <i>Miin-Shen Yang, Hsun-Chih Kuo, Jenn-Hwai Yang, Yen-Chi Chen</i></p> <p>New method for dynamic signature verification <i>Marcin Zalasinski, Krzysztof Cpalka, Yoichi Hayashi</i></p>
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13:10 - 14:30

Lunch

Invited Talk, Chair: Svyatoslav Voloshynovskiy, Room Tatry**14:30 - 15:15**

Ah-Hwee Tan – “Towards Human-Like Intelligence: From Self-Organizing Neural Networks to Integrated Cognitive Architectures”

15:15 - 16:00

Adam Krzyzak – “Machine Learning and Its Applications in Biomedical Engineering”

16:00 - 17:00Poster session and **Coffee break** Venue: Zawrat

Chair: Lena Pietruczuk

The parallel approach to the conjugate gradient learning algorithm for the feedforward neural networks
Jarosław Bilski, Jacek Smoląg, Alexander I. Galushkin

Spin-glass implementation of a Hopfield neural structure

Lukasz Laskowski, Magdalena Laskowska, Jerzy Jelonekiewicz, Arnaud Boulanger

New method for nonlinear fuzzy correction modelling of dynamic objects

Lukasz Bartczuk, Andrzej Przybyl, Petia Koprinkova-Hristova

New method for design of fuzzy systems for nonlinear modelling using different criteria of interpretability

Krystian Lapa, Krzysztof Cpałka, Lipo Wang

A new algorithm for identification significant work points using swarm intelligence for data obtained from non-invasive identification nonlinear dynamic objects

Piotr Dziwinski, Lukasz Bartczuk, Andrzej Przybyl, Eduard D. Avedyan

On Multi-Subjectivity in Linguistic Summarization of Relational Databases

Adam Niewiadomski, Izabela Superson

Hierarchical Fuzzy Logic Systems. Current Research and Perspectives

Krzysztof Renkas, Adam Niewiadomski

Recommendations and Object Discovery in Graph Databases Using Path Semantic Analysis

Lukasz Strobin, Adam Niewiadomski

Signal randomness measure for BSS ensemble predictors

Ryszard Szupiluk, Tomasz Ząbkowski

Color Digital Picture Recognition Based on Fuzzy Granulation Approach

Krzysztof Wiaderek, Danuta Rutkowska

Nonnegative Matrix Factorization for Document Clustering: A Survey

Ehsan Hosseini-asl, Jacek M. Zurada

Usage of the TRACO Compiler for Neural Network Parallelization

Marek Palkowski, Włodzimierz Bielecki

A new measure of conflict and hybrid combination rules in the evidence theory

Ludmila Dymova, Pavel Sevastjanov, Kamil Tkacz, Tatyana Cheherava

Session: Artificial Intelligence in Modeling and Simulation Chair: Edyta Hetmaniok Date/Time: 17:00 – 19:00, Tue., June 3, 2014 Venue: Rysy A	Session: Agent Systems, Robotics and Control Chair: Barbara Strug Date/Time: 17:00 – 19:00, Tue., June 3, 2014 Venue: Rysy B	Session: Special Session 2: Machine Learning for Visual Information Analysis and Security Chair: Svyatoslav Voloshynovskiy, Rafał Scherer Date/Time: 17:00 – 19:00, Tue., June 3, 2014 Venue: Giewont
<p>Fuzzy and Neural Rotor Resistance Estimator for Vector Controlled Induction Motor Drives <i>Moulay Rachid, Douiri Ouissam, Belghazi Mohamed Cherkaoui</i></p> <p>ALMM Solver - A Tool for Optimization Problems <i>Ewa Dudek-Dyduch, Edyta Kucharska, Lidia Dutkiewicz, Krzysztof Rączka</i></p> <p>Tournament Searching Method for Optimization of the Forecasting Model Based on Nadaraya-Watson Estimator <i>Grzegorz Dudek</i></p> <p>Artificial Bee Colony Algorithm Used for Reconstructing the Heat Flux Density in the Solidification Process <i>Edyta Hetmaniok, Damian Słota, Adam Zielonka</i></p> <p>Simulations of Credibility Evaluation and Learning in a Web 2.0 Community <i>Grzegorz Kowalik, Paulina Adamska, Radosław Nielek, Adam Wierzbicki</i></p> <p>Optimization of composite structures using bio-inspired methods <i>Arkadiusz Poteralski, Mirosław Szczepanik, Witold Beluch, Tadeusz Burczyński</i></p> <p>Applying Metamodels and Sequential Sampling for Constrained Optimization of Process Operations <i>Ahmed Shokry, Antonio Espuna</i></p>	<p>Investigating the rate of failure of asynchronous gathering in a swarm of fat robots with limited visibility <i>Kálmán Bolla, Tamás Kovács, Gábor Fazekas</i></p> <p>Modeling context-aware and agent-ready systems for the outdoor smart lighting <i>Radosław Klimek, Grzegorz Rogus</i></p> <p>Problem of Agents Cooperation in Heterogeneous Graph-based Knowledge Environment <i>Leszek Kotulski, Adam Sędziwy, Barbara Strug</i></p> <p>Managing Machine's Motivations <i>Janusz Starzyk, James Graham, Leszek Puzio</i></p> <p>Globalised Dual Heuristic Dynamic Programming in Tracking Control of the Wheeled Mobile Robot <i>Marcin Szuster</i></p> <p>Fuzzy Sensor-Based Navigation with Neural Tracking Control of the Wheeled Mobile Robot <i>Marcin Szuster, Zenon Hendzel, Andrzej Burghardt</i></p>	<p>Multi-class Classification: A Coding Based Space Partitioning <i>Sohrab Ferdowsi, Svyatoslav Voloshynovskiy, Marcin Gabryel, Marcin Korytkowski</i></p> <p>From Single Image to List of Objects Based on Edge and Blob Detection <i>Rafał Grycuk, Marcin Gabryel, Marcin Korytkowski, Rafał Scherer, Svyatoslav Voloshynovskiy</i></p> <p>Robust face recognition by group sparse representation that uses samples from list of subjects <i>Dimche Kostadinov, Svyatoslav Voloshynovskiy, Sohrab Ferdowsi, Maurits Diephuis, Rafał Scherer</i></p> <p>Using Facial Asymmetry Properties and Hidden Markov Models for Biometric Authentication in Security Systems <i>Mariusz Kubanek, Dorota Smorawa, Mirosław Kurkowski</i></p> <p>Spatial Keypoint Representation for Visual Object Retrieval <i>Tomasz Nowak, Patryk Najgebauer, Jakub Romanowski, Marcin Gabryel, Marcin Korytkowski, Rafał Scherer, Dimche Kostadinov</i></p>

19:30

Social event at Salas Holny

Wednesday, June 4**07:30-8:30****Breakfast****Invited Talk, Chair: Janusz Kacprzyk, Room Tatry****8:30 - 9:15****Witold Pedrycz – “Fuzzy Models and Granular Fuzzy Models: Pursuing New Avenues of Computational Intelligence”**

Session: Clustering 1 Chair: Piotr S. Szczepaniak Date/Time: 9:20-10:40, Wed., June 4, 2014 Venue: Rysy A	Session: Classification and Estimation 1 Chair: Ewa Skubalska-Rafajlowicz Date/Time: 9:20-10:40, Wed., June 4, 2014 Venue: Rysy B	Session: Computer Vision, Image and Speech Analysis 1 Chair: Rafal Angryk Date/Time: 9:20-10:40, Wed., June 4, 2014 Venue: Giewont
<p>Generalized Tree-like Self-organizing Neural Networks with Dynamically Defined Neighborhood for Cluster Analysis <i>Marian Gorzalczany, Jakub Piekoszewski, Filip Rudziński</i></p> <p>A Spectral Clustering Algorithm based on eigenvector localization <i>Małgorzata Lucińska</i></p> <p>HiBi - The Algorithm of Biclustering the Discrete Data <i>Marcin Michalak, Magdalena Lachor, Andrzej Polański</i></p> <p>Asymmetric k-Means Clustering of the Asymmetric Self-Organizing Map <i>Dominik Olszewski, Janusz Kacprzyk, Sławomir Zadrozny</i></p>	<p>A Semantic Kernel for Text Classification Based on Iterative-Higher-Order Relations between Words and Documents <i>Berna Altinel, Murat Can Ganiz, Banu Diri</i></p> <p>One-Class Classification Decomposition for Imbalanced Classification of Breast Cancer Malignancy Data <i>Bartosz Krawczyk, Lukasz Jelen, Adam Krzyzak, Thomas Fevens</i></p> <p>Statistical Assessment of Signal and Image Symmetries <i>Mirosław Pawlak</i></p>	<p>An Approach for Imperfection Propagation: Application to Land Cover Change Prediction <i>Bouatay Amine, Boulila Wadii, Fareh Imed Riadh</i></p> <p>Large-Scale Region-based Multimedia Retrieval for Solar Images <i>Juan Banda, Rafal Angryk</i></p> <p>Classification of dynamic sequences of 3D point clouds <i>Michał Cholewa, Przemysław Sporysz</i></p> <p>Texture Image Classification with Improved Weber Local Descriptor <i>Hassan Dawood, Ping Guo</i></p>

10:40-11:00**Coffee break**

ICAISC 2014 Wednesday, June 4

Session: Clustering 2 Chair: Janos Abonyi Date/Time: 11:00-13:00, Wed., June 4, 2014 Venue: Rysy A	Session: Classification and Estimation 2 Chair: Mirosław Pawlak Date/Time: 11:00-13:00, Wed., June 4, 2014 Venue: Rysy B	Session: Computer Vision, Image and Speech Analysis 2 Chair: Andrzej Bielecki Date/Time: 11:00-13:00, Wed., June 4, 2014 Venue: Giewont
<p>Fuzzy c-Medoid Graph Clustering <i>Andras Kiraly, Agnes Vathy-Fogarassy, Janos Abonyi</i></p> <p>DenClust: A Density Based Seed Selection Approach for K-Means <i>Md Anisur Rahman, Md Zahidul Islam, Terry Bossomaier</i></p> <p>Exploiting Structural Information of Data in Active Learning <i>Maryam Shadloo, Hamid Beygi, Siavash Haghiri</i></p> <p>On Mean Shift Clustering for Directional Data on a Hypersphere <i>Miin-Shen Yang, Shou-Jen Chang-Chien, Hsun-Chih Kuo</i></p>	<p>Comparison of tree-based ensembles in application to censored data <i>Malgorzata Kretowska</i></p> <p>Advanced Oblique Rule Generating Based on PCA <i>Marcin Michalak Karolina Nurzyńska</i></p> <p>Crop Classification using Different Color Spaces and RBF Neural Networks <i>Guillermo Sandoval, Roberto A Vazquez, Paulina Garcia, Jose Ambrosio</i></p> <p>Failures Prediction in the Cold Forging Process Using Machine Learning Methods <i>Tomasz Żabiński, Tomasz Mączka, Jacek Kluska, Maciej Kusy, Zbigniew Hajduk, Sławomir Prucnal</i></p>	<p>Three-dimensional urban-type scene representation in vision system of unmanned flying vehicles <i>Andrzej Bielecki, Tomasz Buratowski, Piotr Śmigielski</i></p> <p>Surface Mixture Models for the Optimization of Object Boundary Representation <i>Przemysław Glomb, Arkadiusz Sochan</i></p> <p>Video Compression Algorithm Based on Neural Network Structures <i>Michał Knop, Robert Cierniak, Nimit Shah</i></p> <p>A New Image Reconstruction from Projections Algorithm <i>Anna Lorent, Robert Cierniak, Piotr Dobosz, Olga Rebrova</i></p> <p>Discovering Multi-sense Features from Images Using Random Indexing <i>Haifa Nakouri</i></p> <p>Recognition of Signed Expressions Using Symbolic Aggregate Approximation <i>Mariusz Oszust, Marian Wysocki</i></p> <p>Dimensionality reduction of dynamic animations using HO-SVD <i>Michał Romaszewski, Piotr Gawron, Sebastian Opozda</i></p>

13:00 - 14:30

Lunch

Invited Talk, Chair: Rafał Scherer, Room Tatry

14:30 - 15:15

Rafał Angrzyk – “Methods and Tools for Big Data Solar Physics”

ICAISC 2014 Wednesday, June 4

Session: Various Problems of Artificial Intelligence 2 Chair: Jacek Mazurkiewicz Date/Time: 15:20-17:20, Wed., June 4, 2014 Venue: Rysy A	Session: Evolutionary Algorithms 2 Chair: Marcin Woźniak Date/Time: 15:20-17:20, Wed., June 4, 2014 Venue: Rysy B	Special Session 3: Intelligent Methods in Databases Chair: Rafał Angryk, Marcin Korytkowski, Marcin Gabryel Date/Time: 15:20-17:20, Wed., June 4, 2014 Venue: Giewont
<p>Optimisation of character n-gram profiles method for intrinsic plagiarism detection <i>Marcin Kuta, Jacek Kitowski</i></p> <p>A Recommender System Based on Customers' Reviews Mining <i>Paweł Ładyżyński, Przemysław Grzegorzewski</i></p> <p>Complex System Analysis Using Softcomputing <i>Jacek Mazurkiewicz</i></p> <p>Can the Generation of Test Cases for Unit Testing be Automated with Rules? <i>Grzegorz J. Nalepa, Krzysztof Kutt, Krzysztof Kaczor</i></p> <p>Implementing a supply chain management policy system based on rough set theory <i>Henryk Piech, Aleksandra Ptak, Ali Jamnatpour</i></p>	<p>Clustering of vehicle usage behavior by means of Artificial Bee Colony <i>Cosimo Birtolo, Davide Ronca, Giovanni Capasso, Gennaro Sorrentino</i></p> <p>Evolutionary Multi-Modal Optimization with the use of Multi-Objective Techniques <i>Leszek Siwik, Rafal Drezewski</i></p> <p>Optimization of Router Deployment for Sensor Networks Using Genetic Algorithm <i>Rony Teguh, Ryo Murakami, Hajime Igarashi</i></p> <p>On applying evolutionary computation methods to optimization of vacation cycle costs in finite-buffer queue <i>Marcin Woźniak, Wojciech Kempa, Marcin Gabryel, Robert K. Nowicki, Zhifei Shao</i></p> <p>On Convergence of Evolutionary Algorithms Powered by Non-Random Generators <i>Ivan Zelinka, Donald Davendra, Roman Senkerik, Michal Pluhacek, Zuzana Kominková Oplatková</i></p> <p>Aspects of the selection of the structure and parameters of controllers using selected population based algorithms <i>Jacek Szczypta, Krystian Łapa, Zhifei Shao</i></p>	<p>Big data paradigm developed in volunteer grid system with genetic programming scheduler <i>Jerzy Balicki, Waldemar Korlub, Julian Szymański, Marcin Zakidalski</i></p> <p>Different Orderings and Visual Sequence Alignment Algorithms for Image Classification <i>Paweł Drozda, Krzysztof Sopyła, Przemysław Górecki</i></p> <p>Belief propagation during data integration in a P2P network <i>Piotr Szwed</i></p> <p>An incremental map-matching algorithm based on Hidden Markov Model <i>Piotr Szwed, Kamil Pękala</i></p>

17:20 – 17:40

Coffee break

Tutorial, venue: Rysy

17:40 - 19:25

Boris Stilman: No-Search Approach in Linguistic Geometry: Uncovering the Mysteries of the State Space

Panel Discussion, Venue: Giewont

17:40 - 19:25

Computer-Assisted Techniques in Clinical and Academic Medicine, Chair: Jerzy W. Rozenblit, The University of Arizona

19:30

Farewell Party, Venue: Tatry

Thursday, June 5

07:30-8:30

Breakfast

Conference site

The ICAISC Conference is held in the Hotel Mercure Zakopane Kasprowy. The address of the hotel is:

Mercure Kasprowy Hotel
ul. Szymaszkowa
34-500 Zakopane, POLAND
tel. (+48) 18 202 40 00

Useful phone numbers:

taxi in Zakopane: +48 18 196 25, Radio Taxi Giewont +48 18 196 26

Radio Taxi 919: +48 18 20 12 560

INTER Radio Taxi: +48 18 201 42 32

Zakopane tourist information: +48 18 20-122-11

Ambulance: 999, Police: 997 (or 112 from your mobile phone)

Mountain Rescue Team TOPR : 0 603 100 300 or 206 34 44

Krakow tourist information: +48 12 422 60 91, +48 12 421 77 06, +48 12 433 73 10

taxi in Krakow: (+48 12) 19919, 19191, 19621, 19623, 19625