CISIM 2013

12th International Conference on Computer Information Systems and Industrial Management Applications

Krakow 2013, September 25-27

Faculty of Physics and Applied Computer Science,
19 Reymonta St., Building D-10
Kraków, Poland

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AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY

JAGIELLONIAN UNIVERSITY IN KRAKOW

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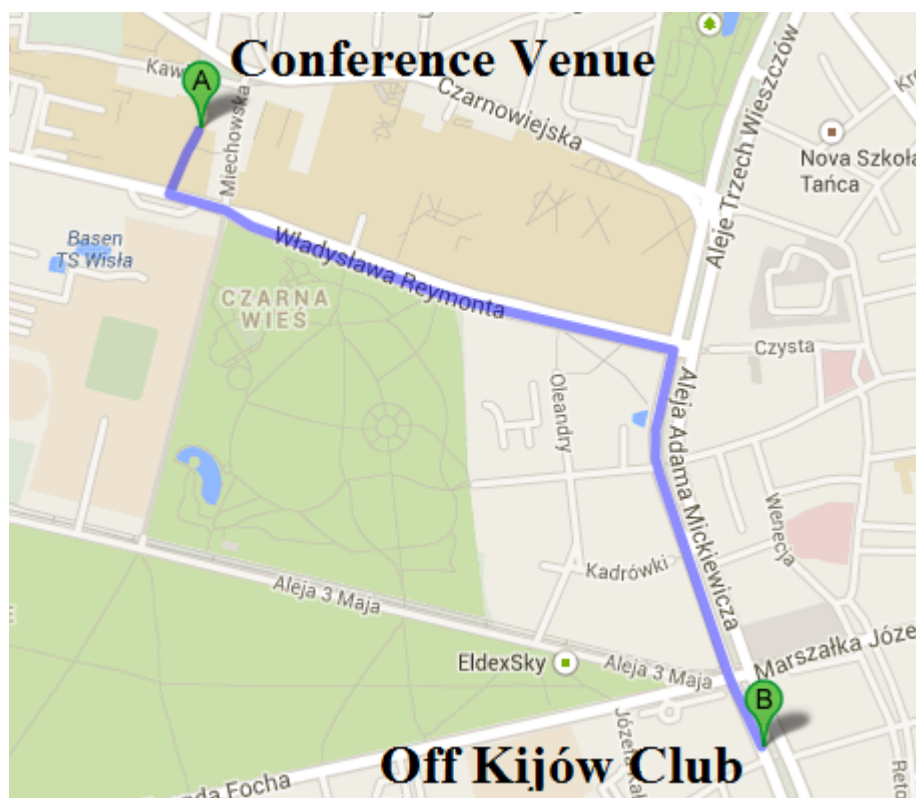
Professor **Zbigniew Kąkol**
Vice-Rector for Science
AGH University of Science and Technology

CISIM 2013: 1st DAY

11:00-14:00	Registration			
14:00-14:30	Opening		Professor **Zbigniew Kąkol** Vice-Rector for Science AGH University of Science and Technology	Professor **Armen Edigarian** Dean of Faculty of Mathematics and Computer Science Jagiellonian University	Professor **Janusz Wolny** Dean of Faculty of Physics and Applied Computer Science AGH University of Science and Technology
			Conf. Chair **Khalid Saeed** Professor of AGH University of Science and Technology		
14:30-15:15	Keynote Speakers	Chair: K Saeed	**Ryszard Tadeusiewicz**	Man-Machine Interactions Improvement by means of Automatic Human Personality Identification	
15:15-16:00			**Krzysztof Cios**	Building Data Models with Rule Learners: Classical, Multiple-Instance, and One-Class Learning Algorithms	
16:00-16:30	**Coffee Break**				
16:30-17:15		Chair: J Tabor	**Mieczysław Kłopotek**	What is the value of information - search engine's point of view	
17:15-18:00			**Michał Woźniak**	Application of combined classifiers to data stream classification	
19:00-22:00	**Welcoming Party**				

How to get to the Special Welcoming Party on September 26, 2013:

CISIM 2013: 2ⁿᵈ DAY

Time	Session	Chairs	#	Authors	Title
09:30-10:15	Biometrics and BM Applications	Chairs: K Saeed, D Frejlichowski	1	Marcin Rogowski, Khalid Saeed, Mariusz Rybnik, Marek Tabedzki and Marcin Adamski	User Authentication for Mobile Devices
			2	Paweł Kasprowski	The impact of temporal proximity between samples on eye movement biometric identification
			3	Zoltán Ernő Csajbók, Tamás Mihálydeák and József Ködmön	An Adequate Representation of Medical Data Based on Partial Set Approximation
10:15-10:45	Various Aspects of Computer Security	Chairs: J Pejaś, A Bartkowiak	4	Tomasz Hyla and Jerzy Pejas	A practical certificate and identity based encryption scheme and related security architecture
			5	Tapalina Bhattasali, Rituparna Chaki and Nabendu Chaki	Study of Security Issues in Pervasive Environment of Next Generation Internet of Things
10:45-11:15	**Coffee Break**				
11:15-11:45			6	Muhammad Kazim, Rahat Masood, Muhammad Awais Shibli and Abdul Ghafoor Abbasi	Security Aspects of Virtualization in Cloud Computing
			7	Marcin Szpyrka, Bartosz Jasiul, Konrad Wrona and Filip Dziedzic	Telecommunications networks risk assessment with Bayesian networks
11:45-13:00	Pattern recognition and image processing	Chairs: M Woźniak, N Chaki	8	Ryszard Kozera, Lyle Noakes and Piotr Szmielew	Trajectory Estimation for Exponential Parameterization and Different Samplings
			9	Ömer Faruk Söylemez and Burhan Ergen	Eye Location and Eye State Detection In Facial Images Using Circular Hough Transform
			10	Pawel Forczmanski and Piotr Łabędź	Recognition of occluded faces based on multi-subspace classification
			11	Soharab Hossain Shaikh, Marek Tabedzki, Nabendu Chaki and Khalid Saeed	Bengali Printed Character Recognition – A New Approach
			12	Magdalena Ładniak, Adam Piórkowski and Mariusz Młynarczuk	The data exploration system in image processing based on server-side operations
13:00-14:00	**Lunch**				
15:00-16:00	**Excursion: The Collegium Maius** - The Jagiellonian University's oldest building				
16:30-17:30	Networking	Chairs: M Penhaker, R Chaki	13	Ayan Kumar Das, Rituparna Chaki and Atreyee Biswas	Power Aware Cluster Based Routing (PACBR) protocol for Wireless Sensor Network
			14	Samiran Chattopadhyay, Matangini Chattopadhyay, Saswati Mukherjee, Debarshi Sanyal, Roshni Neogy and Samanwita Pal	A Novel Incentive Based Scheme to Contain Selective Forwarding in Wireless Sensor Network
			15	Seiji Sugiyama, Atsushi Ikuta, Daisuke Yokozawa, Miyuki Shibata and Tohru Matsuura	Displaying Genealogy with Adoptions and Multiple Remarriages Using the WHIteBasE
			16	Ranganathan Latha and Nadarajan R	User Relevance for Item-based Collaborative Filtering
18:00-21:00	**Special Welcoming Party in Off Kijów Club inside Kijów Cinema**				

CISIM 2013: 3rd DAY

Time	Session	Chairs	No.	Authors	Title
09:00-10:00	Industrial Applications and Algorithms	Chairs: I Podolak, M Kłopotek	17	Michal Holiš, Lenka Skanderová, Martin Plaček, Jiří Dvorský and Ivan Zelinka	Solving Steel Alloying Using Dierential Evolution and SOMA
			18	Sanjoy Paul, Ruhul Sarker and Daryl Essam	A Disruption Recovery Model in a Production-Inventory System with Demand Uncertainty and Process Reliability
			19	Krzysztof Gdawiec	Aesthetic Patterns from the Perturbed Orbits of Discrete Dynamical Systems
			20	Przemysław Spurek, Jacek Tabor and Krzysztof Misztal	Weighted approach to projective clustering
10:00-11:30	POSTER SESSION (and Coffee Break)				
11:30-13:30	Algorithms	Chairs: R Kozera, J Tabor	21	Wojciech M. Czarnecki and Igor T. Podolak	Machine Learning with Known Input Data Uncertainty Measure
			22	Ilona Bluemke and Marcin Tarka	Learning algorithms in the detection of unused functionalities in SOA systems
			23	Lukas Vojacek and Jiri Dvorsky	Growing Neural Gas -- A Parallel Approach
			24	Krzysztof Misztal and Jacek Tabor	Mahalanobis distance-based algorithm for ellipse growing in iris preprocessing
			25	Wladyslaw Homenda and Mariusz Rybnik	Searching in the Structured Space of the Braille Music
13:30-14:00	Lunch				
14:30-16:30	Vistula River Ship Cruise with Closing Ceremony				

CISIM 2013: Poster Session

10:00-11:30, Friday, September 27, 2013	Chairs: T Chlebus, P Kasprowski	1	Anna Plichta, Tomasz Gąciarz and Szymon Szomiński	Identification of persons by virtue of hand geometry
		2	Marcin Derlatka	Modified kNN algorithm for improved recognition accuracy of biometrics system based on gait
		3	Dariusz Frejlichowski and Piotr Czapiewski	An Application of the Curvature Scale Space Shape Descriptor for Forensic Human Identification Based on Orthopantomograms
		4	Marek Penhaker, Vladimir Kasik and Vaclav Snasel	Biomedical Distributed Signal Processing and Analysis
		5	Dorota Duda, Marek Kretowski and Johanne Bezy-Wendling	Effect of Slice Thickness on Texture-Based Classification of Liver Dynamic CT Scans
		6	Paweł Górski and Izabela Rejer	Independent Component Analysis for EEG Data Preprocessing - Algorithms Comparison
		7	Dariusz Borkowski and Katarzyna Jańczak-Borkowska	Image Restoration using Anisotropic Stochastic Diffusion Collaborated with Non Local Means
		8	Maciej Rostanski and Taras Mushynskyy	Security issues of IPv6 network autoconfiguration
		9	Michał Dolecki and Ryszard Kozera	Threshold Method of Detecting Long-Time TPM Synchronization
		10	Dariusz Frejlichowski, Pawel Forczmanski, Adam Nowosielski, Katarzyna Gościewska and Radosław Hofman	The Removal of False Detections from Foreground Regions Extracted using Adaptive Background Modelling for a Visual Surveillance System
		11	Mirosław Kurkowski, Olga Siedlecka-Lamch and Paweł Dudek	Using Backward Induction Techniques in (Timed) Security Protocols Verification
		12	Štěpán Kuchař, Jan Martinovič, Pavla Dráždilová and Kateřina Slaninová	Synthetic Social Network Based on Competency-based Description of Human Resources
		13	Katerina Slaninova, Jan Martinovic, Roman Sperka and Pavla Drazdilova	Extraction of Agent Groups with Similar Behaviour Based on Agent Profiles
		14	Robert Burduk and Pawel Trajdos	Construction of Sequential Classifier Using the Confusion Matrix
		15	Tomasz Chlebus	The Cost Estimation of Production Orders
		16	Arkadiusz Kowalski and Marcin Juszczyński	Achieving desired cycle times by modelling production systems
		17	Rahma Boucetta	Generalized Predictive Control for a Flexible Single-link Manipulator
		18	Anna Burduk	Artificial neural networks as tools for controlling production systems and ensuring their stability