



ACIIDS 2016, Da Nang, Vietnam
14-16 March 2016
Conference Program at a Glance

Day 1. Monday, 14 March 2016

08:00 – 09:00	Registration PIC: Dr. Adrianna Kozierekiewicz-Hetmańska Location: Foyer of Lotus Ballroom
09:00 – 09:30	Opening Ceremony Location: Lotus Ballroom 1+2
09:30 – 10:20	Keynote Lecture 1 Speaker: Professor Jun Wang, Hong Kong Topic: Collective Neurodynamic Optimization Approaches to Nonnegative Matrix Factorization Chair: Prof. Ngoc Thanh Nguyen, Poland Location: Lotus Ballroom 1+2
10:20 – 10:30	Photo Session (group photo) Location: In front of the Lotus Ballroom Building
10:30 – 10:50	Coffee break Location: Foyer of Lotus Ballroom
10:50 – 11:40	Keynote Lecture 2 Speaker: Professor Saeid Nahavandi, Australia Topic: Modelling and Simulation of Large Complex Systems Chair: Prof. Gottfried Vossen, Germany Location: Lotus Ballroom 1+2

11:40 – 12:00	History of ACIIDS conferences. Usability testing of conference web service Speaker: Dr. Bogdan Trawiński, Poland Location: Lotus Ballroom 1+2				
12:00 – 13:00	Lunch Location: Epice Restaurant				
13:15 – 13:35	Introduction to Poster Session 1 Presentations of individual posters Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Lotus Ballroom 1+2				
13:35 – 14:00	Poster Session 1 Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Foyer of Lotus Ballroom				
Parallel Sessions 1					
14:00 – 15:00	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	SEM-1 Knowledge Engineering and Semantic Web-1 Chair: Prof. Kazuhiro Kuwabara, Japan	MIN-1 Machine Learning and Data Mining-1 Prof. Nitesh V. Chawla, USA	TXT-1 Text Processing and Information Retrieval-1 Chair: Prof. Ali Selamat, Malaysia	IIS-1 Intelligent Information Systems-1 Chair: Manuel Núñez, Spain	DBS Database Systems and Software Engineering Chair: Prof. Zbigniew Huzar, Poland
15:00 – 15:20	Coffee break Location: Foyer of Lotus Ballroom				

Parallel Sessions 2					
15:20 – 16:20	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	SEM-2 Knowledge Engineering and Semantic Web-2 Chair: Prof. Ha Quang Thuy, Vietnam	MIN-2 Machine Learning and Data Mining-2 Chair: Prof. Halina Kwaśnicka, Poland	TXT-2 Text Processing and Information Retrieval-3 Chair: Dr. Theophile Dagba, Benin	IIS-2 Intelligent Information Systems-2 Chair: Prof. Thai-Nghe Nguyen, Vietnam	DEC-1 Decision Support Systems-1 Chair: Prof. Jeng-Shyang Pan, China
Parallel Sessions 3					
16:20– 17:20	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	IBDE Intelligent Big Data Exploitation Chair: Prof. Gottfried Vossen, Germany	NET Cloud and Network Computing Chair: Prof. Shin-Ya Kobayashi, Japan	REC Social Networks and Recommender Systems Chair: Dr. Kulwadee Somboonviwat, Thailand	IIS-3 Intelligent Information Systems-3 Chair: Prof. Igor Litvinchev, Mexico	DEC-2 Decision Support Systems-2 Chair: Prof. Frantisek Capkovic, Slovakia
17:30	Departure for Viethanit Campus				
18:00 – 20:00	Welcome Reception PIC: Dr. Bao Hung Hoang, Viethanit Location: Viethanit Campus				

Day 2. Tuesday, 15 March 2016

Parallel Sessions 4

	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
08:00 – 09:40	MOT-1 Modelling and Optimization Techniques -1 Chair: Prof. Jeng-Shyang Pan, China	IS4SC Intelligent Services for Smart Cities Chair: Prof. Jason Jung, Korea	MMAML-1 Multiple Model Approach to Machine Learning-1 Chair: Dr. Bogdan Trawiński, Poland	ICxS Intelligent and Context Systems Chair: Dr. Maciej Huk, Poland	DEC-3 Decision Support Systems-3 Chair: Prof. Andrzej Świerniak, Poland

Parallel Sessions 5

	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
09:40– 11:00	RWAET Real World Applications in Engineering and Technology Chair: Prof. Ondrej Krejcar, Czech Republic	SP2S Smart Pattern Processing for Sports Chair: Prof. SMN Arosha Senanayake, Brunei	MMAML-2 Multiple Model Approach to Machine Learning-2 Chair: Dr. Andrzej Siemiński, Poland	ADMTA-1 Advanced Data Mining Techniques and Applications-1 Chair: Prof. Bay Vo, Vietnam	CISTEF-1 Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-1 Chair: Prof. Chao-Fu Hong, Taiwan

11:00 – 11:30

Coffee break
Location: Foyer of Lotus Ballroom

11:30 – 12:30

Keynote Lecture 3
Speaker: Professor Piotr Wierzchoń, Poland
Topic: Big data in contemporary linguistic research. In search of optimum methods for language chronologization
Chair: Prof. Dosam Hwang, Korea
Location: Lotus Ballroom 1+2

12:30 – 13:30	Lunch Location: Epice Restaurant				
13:45 – 14:05	Introduction to Poster Session 2 Presentations of individual posters Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Lotus Ballroom 1+2				
14:05 – 14:30	Poster Session 2 Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Foyer of Lotus Ballroom				
14:30 – 15:30	Keynote Lecture 4 Speaker: Professor Tzung-Pei Hong, Taiwan Topic: Incremental and Multi-source Data Mining Chair: Prof. Jerzy Klamka, Poland Location: Lotus Ballroom 1+2				
15:30 – 16:00	Coffee break Location: Foyer of Lotus Ballroom				
Parallel Sessions 6					
16:00 – 17:00	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	VIS-1 Computer Vision Techniques-1 Chair: Prof. Kang-Hyun Jo, Korea	SEM-3 Knowledge Engineering and Semantic Web-3 Chair: Prof. Geun-Sik Jo, Korea	IVMLS-1 Analysis of Image, Video and Motion Data in Life Sciences-1 Chair: Dr. Marek Kulbacki, Poland	ADMTA-2 Advanced Data Mining Techniques and Applications-2 Chair: Prof. Leon Bobrowski, Poland	CISTEF -2 Collective Intelligence for Service Innovation, Technology Opportunity, E- Learning and Fuzzy Intelligent Systems-2 Chair: Dr. Kuo-Sui Lin, Taiwan

Parallel Sessions 7					
17:00 – 18:00	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	VIS-2 Computer Vision Techniques-2 Chair: Dr. Kazimierz Choroś, Poland	MIN-3 Machine Learning and Data Mining-3 Chair: Prof. Goh Ong Sing, Malaysia	IVMLS-2 Analysis of Image, Video and Motion Data in Life Sciences-2 Chair: Prof. Konrad Wojciechowski, Poland	ADMTA-3 Advanced Data Mining Techniques and Applications-3 Chair: Prof. Ja- Hwung Su, Taiwan	DEC-4 Decision Support Systems-4 Chair: Prof. Jacek Mercik, Poland
19:00 – 22:00	Gala Dinner PIC: Jackie Han, Hoabinh Tourist & Convention Company Location: Poolside of the Resort				

Day 3. Wednesday, 16 March 2016					
Parallel Sessions 8					
08:00 – 09:00	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	VIS-3 Computer Vision Techniques-3 Chair: Prof. Phuoc Tran Vinh, Vietnam	MOT-2 Modelling and Optimization Techniques -2 Chair Prof. Hoai An Le Thi, France	IVMLS-3 Analysis of Image, Video and Motion Data in Life Sciences-3 Chair: Dr. Jakub Segen, Poland	CIDMCP-1 Computational Intelligence in Data Mining for Complex Problems-1 Chairs: Prof. Habiba Drias, Algeria, Prof. Yalaoui Farouk, France	

Parallel Sessions 9					
09:00– 10:00	Lotus Ballroom 1+2	Lotus Ballroom 3	Hibiscus Room	Magnolia Room	Orchid Room
	VIS-4 Computer Vision Techniques-4 Chair: Prof. Ngoc Quoc Ly, Vietnam	MIN-4 Machine Learning and Data Mining-4 Chair: Dr. Maciej Zięba, Poland	IVMLS-4 Analysis of Image, Video and Motion Data in Life Sciences-4 Chair: Dr. Marek Kulbacki, Poland	CIDMCP-2 Computational Intelligence in Data Mining for Complex Problems-1 Chairs: Prof. Habiba Drias, Algeria, Prof. Yalaoui Farouk, France	OSD Ontology-Based Software Development Chair: Dr. Bogumiła Hnatkowska, Poland
10:00 – 10:30	Coffee break Location: Foyer of Lotus Ballroom				
10:30 – 11:30	Panel Discussion Topic: Current Trends in Intelligent and Database Systems Moderator: Prof. Ngoc Thanh Nguyen, Poland Location: Lotus Ballroom 1+2				
11:30 – 12:00	Closing Ceremony (including best paper, best poster, and best special session award ceremony) Location: Lotus Ballroom 1+2				
12:30 – 13:30	Lunch Location: Epice Restaurant				
14:00 – 21:00	Excursion to Marble Mountains and Hoi An City Dinner in Hoi An City PIC: Dr. Bao Hung Hoang, Viethanit				

	ACIIDS 2016, Da Nang, Vietnam 14-16 March 2016 Parallel Thematic Sessions
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Day 1. Monday, 14 March 2016	
Parallel Sessions 1	
14:00 – 15:00 Monday 14 March 2016	SEM-1: Knowledge Engineering and Semantic Web-1 Chair: Prof. Kazuhiro Kuwabara, Japan Location: Lotus Ballroom 1+2
	An Influence Analysis of the Inconsistency Degree on the Quality of Collective Knowledge for Objective Case <i>Van Du Nguyen and Ngoc-Thanh Nguyen</i> Temporal Ontology Representation and Reasoning Using Ordinals and Sets for Historical Events <i>Myung-Duk Hong, Kyeong-Jin Oh, Seung-Hyeon Ko and Geun-Sik Jo</i> Argumentation framework for merging stratified belief bases <i>Trong Hieu Tran, Thi Hong Khanh Nguyen, Quang-Thuy Ha and Ngoc Trinh Vu</i>
14:00 – 15:00 Monday 14 March 2016	MIN-1: Machine Learning and Data Mining-1 Chair: Prof. Nitesh V. Chawla, USA Location: Lotus Ballroom 3
	Self-paced Learning for Imbalanced Data <i>Maciej Żięba, Jakub Tomczak and Jerzy Świątek</i> Fuzzy-Based Feature and Instance Recovery <i>Shigang Liu, Jun Zhang, Yu Wang and Yang Xiang</i> Hierarchy of Groups Evaluation Using Different F-score Variants <i>Halina Kwaśnicka, Łukasz P. Olech and Michał Spytkowski</i>
14:00 – 15:00 Monday 14 March 2016	TXT-1: Text Processing and Information Retrieval -1 Chair: Prof. Ali Selamat, Malaysia Location: Hibiscus Room
	Design of a Yoruba Language Speech Corpus for the Purposes of Text-To-Speech (TTS) Synthesis <i>Theophile Dagba, John Aoga and Codjo Fanou</i> Named Entity Recognition for Vietnamese Spoken Texts and Its Application in Smart Mobile Voice Interaction <i>Phuong-Nam Tran, Van-Duc Ta, Quoc-Tuan Truong, Quang-Vu Duong, Thac-Thong Nguyen and Xuan-Hieu Phan</i>

	Improving Twitter Aspect-Based Sentiment Analysis Using Hybrid Approach <i>Nurulhuda Zainuddin, Ali Selamat and Roliana Ibrahim</i>
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14:00 – 15:00 Monday 14 March 2016	IIS-1: Intelligent Information Systems-1 Chair: Prof. Manuel Núñez, Spain Location: Magnolia Room
	SVM Based Lung Cancer Prediction Using microRNA Expression Profiling from NGS Data <i>Salim Abdul Azeez, Amjesh R and Vinod Chandra S.S.</i>
	Person Name Disambiguation for Building University Knowledge Base <i>Piotr Andruszkiewicz and Szymon Szepietowski</i>
	Towards the Tradeoff Between Marketing Content and the Web User Experience with the use of Eye Tracking <i>Jarosław Jankowski, Paweł Ziemba, Jarosław Wątróbski and Przemysław Kazienko</i>

14:00 – 15:00 Monday 14 March 2016	DBS: Database Systems and Software Engineering Chair: Prof. Zbigniew Huzar, Poland Location: Orchid Room
	Data Quality Scores for Pricing on Data Marketplaces <i>Florian Stahl and Gottfried Vossen</i>
	Extraction of Structural Business Rules from C# <i>Bogumiła Hnatkowska and Marcin Wazeliński</i>
	Higher order mutation testing to drive development of new test cases: an empirical comparison of three strategies <i>Quang Vu Nguyen and Lech Madeyski</i>

Day 1. Monday, 14 March 2016	
Parallel Sessions 2	
15:20 – 16:20 Monday 14 March 2016	SEM-2: Knowledge Engineering and Semantic Web-2 Chair: Prof. Ha Quang Thuy, Vietnam Location: Lotus Ballroom 1+2
	Preliminary Evaluation of Multilevel Ontology Integration on the Concept Level <i>Adrianna Kozierkiewicz and Marcin Pietranik</i>
	Knowledge Base Refinement with Gamified Crowdsourcing <i>Daiki Kurita, Boonsita Roengsamut, Kazuhiro Kuwabara and Hung-Hsuan Huang</i>

	A Novel Approach to Multimedia Ontology Engineering for Automated Reasoning over Audiovisual LOD Datasets <i>Leslie Sikos</i>
15:20 – 16:20 Monday 14 March 2016	MIN-2: Machine Learning and Data Mining-2 Chair: Prof. Halina Kwaśnicka, Poland Location: Lotus Ballroom 3
	A Segmented Artificial Bee Colony Algorithm Based on Synchronous Learning Factors <i>Yu Li, Jianxia Zhang, Dongsheng Zhou and Qiang Zhang</i>
	Treap Mining – A Comparison with Traditional Algorithm <i>Anand Hareendran S and Vinod Chandra</i>
	A Method for Query Top-K Rules from Class Association Rule Set <i>Loan T.T. Nguyen, Hai T. Nguyen, Bay Vo and Ngoc-Thanh Nguyen</i>
15:20 – 16:20 Monday 14 March 2016	TXT-2: Text Processing and Information Retrieval -2 Chair: Dr. Theophile Dagba, Benin Location: : Hibiscus Room
	Explorations of prosody in Vietnamese language <i>Tang-Ho Le and Anh-Viet Nguyen</i>
	Identifying User Intents in Vietnamese Spoken Language Commands and Its Application in Smart Mobile Voice Interaction <i>Thi-Lan Ngo, Van-Hop Nguyen, Thi-Hai-Yen Vuong, Thac-Thong Nguyen, Thi-Thua Nguyen, Bao-Son Pham and Xuan-Hieu Phan</i>
	Integrated Feature Selection Methods using Metaheuristic Algorithms for Sentiment Analysis <i>Alireza Yousefpour, Roliana Ibrahim, Haza Nuzly Abdul Hamed and Takeru Yokoi</i>
15:20 – 16:20 Monday 14 March 2016	IIS-2: Intelligent Information Systems-2 Chair: Prof. Thai-Nghe Nguyen, Vietnam Location: Magnolia Room
	Improving behavior prediction accuracy by using machine learning for agent based simulation <i>Shinji Hayashi, Niken Prasasti, Kanamori Katsutoshi and Hayato Ohwada</i>
	A Norm Assimilation Approach for Multi-agent Systems in Heterogeneous Communities <i>Moamin Mahmoud, Mohd Sharifuddin Ahmad and Zaliman Yusoff</i>
	MobiCough: Real-time Cough Detection and Monitoring Using Low-Cost Mobile Devices <i>Cuong Pham</i>

15:20 – 16:20 Monday 14 March 2016	DEC-1: Decision Support Systems-1 Chair: Prof. Jeng-Shyang Pan, China Location: Orchid Room
	Controllability of Semilinear Fractional Discrete Systems <i>Jerzy Klamka</i>
	Interpreted Petri Nets in DES Control Synthesis <i>František Čapkovič</i>
	A Hardware Implementation of Fuzzy Petri Nets with Lukasiewicz Norms for Modelling of Control Systems <i>Hubert Wojtowicz and Jolanta Wojtowicz</i>

Day 1. Monday, 14 March 2016	
Parallel Sessions 3	
16:20 – 17:20 Monday 14 March 2016	IBDE: Intelligent Big Data Exploitation Chair: Prof. Gottfried Vossen, Germany Location: Lotus Ballroom 1+2
	Learning to Filter User Explicit Intents in Online Vietnamese Social Media Texts <i>Thai-Le Luong, Thi-Hanh Tran, Quoc-Tuan Truong, Thi-Minh-Ngoc Truong, Thi-Thu Phi and Xuan-Hieu Phan</i>
	Redhyte: Towards a Self-diagnosing, Self-correcting, and Helpful Analytic Platform <i>Wei Zhong Toh, Kwok Pui Choi and Limsoon Wong</i>
	Retrieving Rising Stars in Focused Community Question-Answering <i>Long Le and Chirag Shah</i>

16:20 – 17:20 Monday 14 March 2016	NET: Cloud and Network Computing Chair: Prof. Shin-Ya Kobayashi, Japan Location: Lotus Ballroom 3
	Fuzzy Inference System for Mobility Prediction to Control HELLO Broadcasting in MANET <i>Tran The Son, Hoang Bao Hung, Vo Duy Thanh, Nguyen Vu and Hoa Le-Minh</i>
	Resource Allocation for Virtual Service Based on Heterogeneous Shared Hosting Platforms <i>Nguyen Minh Nhut Pham, Thu Huong Nguyen and Van Son Le</i>
	Design and Implementation of Data Synchronization and Offline Capabilities in Native Mobile Apps <i>Kamoliddin Mavlonov, Tsutomu Inamoto, Yoshinobu Higami and Shin-Ya Kobayashi</i>

16:20 – 17:20 Monday 14 March 2016	REC: Social Networks and Recommender Systems Chair: Dr. Kulwadee Somboonviwat, Thailand Location: Hibiscus Room
	3DLAV: Visualizing Learning Activities in Social Network <i>Yen Ho, Insu Song, Thanh Tam Nguyen</i> Empirical Analysis of the Relationship between Trust and Ratings in Recommender Systems <i>Kulwadee Somboonviwat and Hisayuki Aoyama</i> A Mobility Prediction Model for Location-based Social Networks <i>Thanh-Hai Nguyen, Huu-Hoa Nguyen and Thai-Nghe Nguyen</i>
16:20 – 17:20 Monday 14 March 2016	IIS-3: Intelligent Information Systems-3 Chair: Prof. Igor Litvinchev, Mexico Location: Magnolia Room
	A Model for Analysis and Design of Information Systems based on a Document Centric Approach <i>Bálint Molnár, András Benczúr and András Béleczi</i> Databases of Peptides Susceptible to Aggregation as a Tool for Studying Mechanisms of Diseases of Civilization <i>Paweł Woźniak, Jean-Christophe Nebel and Małgorzata Kotulska</i> Using a Cloud Computing Telemetry Service to Assess PaaS Setups <i>K Francisco Anderson Freire Pereira, Jackson Soares, Adrienne Paula Vieira Andrade, Gilson Gomes Silva and João Paulo Souza Medeiros</i>
16:20 – 17:20 Monday 14 March 2016	DEC-2: Decision Support Systems-2 Chair: Prof. Frantisek Capkovic, Slovakia Location: Orchid Room
	Angiogenic Switch - Mixed Spatial Evolutionary Game Approach <i>Michał Krześlak, Damian Borys and Andrzej Świerniak</i> Formal a Priori Power Analysis of Elements of a Communication Graph <i>Jacek Mercik</i> Framework for Product Innovation using SOEKS and Decisional DNA <i>Mohammad Maqbool Waris, Cesar Maldonado Sanin and Edward Szczerbicki</i>

Day 2. Tuesday, 15 March 2016	
Parallel Sessions 4	
08:00 – 09:40 Tuesday 15 March 2016	MOT-1: Modelling and Optimization Techniques in Information Systems, Database Systems and Industrial Systems - 1 Chair: Prof. Jeng-Shyang Pan, China Location: Lotus Ballroom 1+2
	Bees and Pollens with Communication Strategy for Optimization <i>Tien-Szu Pan, Thi-Kien Dao, Trong-The Nguyen, Shu-Chuan Chu and Jeng-Shyang Pan</i> Using valid inequalities and different grids in LP-based heuristic for packing circular objects <i>Igor Litvinchev, Luis Infante and Lucero Ozuna</i> Optimization of Query Processing with Multilevel Storage <i>Nan Noon Noon and Janusz R. Getta</i> MSDN-TE: Multipath Based Traffic Engineering for SDN <i>Khoa Truong Dinh, Slawomir Kukliński, Wiktor Kujawa and Michał Ulaski</i> Portfolio Optimization by Means of a X-Armed Bandit Algorithm <i>Mahdi Moeini, Oliver Wendt and Linus Krumrey</i>
08:00 – 09:40 Tuesday, 15 March 2016	IS4SC: Intelligent Services for Smart Cities Chair: Prof. Jason Jung, Korea Location: Lotus Ballroom 3
	Approach to Priority-based Controlling Traffic Lights <i>Phuoc Tran Vinh, Tha Bui Thi, Diem Tran, Phuong Pham Quoc, and Anh Tran Thi Van</i> ALPR - extension to traditional plate recognition methods <i>Konrad Kluwak, Jakub Segen, Marek Kulbacki and Konrad Wojciechowski</i> A New Method for Calibrating Gazis-Herman-Rothery Car-Following Model <i>Fergyanto E. Gunawan, Elysia Elysia, Benfano Soewito and Bahtiar S Abbas</i> Control of Smart Environments using Brain Computer Interface Based on Genetic Algorithm <i>Guilherme Antonio Camelo, Maria Luiza Menezes, Anita Pinheiro Sant'Anna, Rosa Maria Vicari and Carlos Eduardo Pereira</i>

	Comparison of floor detection approaches for suburban area <i>Marcin Luckner and Rafał Górak</i>
08:00 – 09:40 Tuesday 15 March 2016	MMAML-1: Multiple Model Approach to Machine Learning-1 Chair: Dr. Bogdan Trawinski, Poland Location: Hibiscus Room
	Hybrid One-Class Ensemble for High-Dimensional Data Classification <i>Bartosz Krawczyk</i>
	Recursive Ensemble Land Cover Classification for Few Training Data and Many Class <i>Yu Oya, Katsutoshi Kanamori and Hayato Ohwada</i>
	Adaptive Ant Clustering Algorithm with Pheromone <i>Urszula Boryczka and Jan Kozak</i>
	Parallel Implementations of the Ant Colony Optimization Metaheuristic <i>Andrzej Siemiński</i>
	A Machine Learning Based Technique for Detecting Digital Image Resampling <i>Hieu Cuong Nguyen</i>
08:00 – 09:40 Tuesday 15 March 2016	ICxS: Intelligent and Context Systems Chair: Dr. Maciej Huk, Poland Location: Magnolia Room
	Post-search Ambiguous Query Classification Method based on Contextual and Temporal Information <i>Shahid Kamal, Roliana Ibrahim and Imran Ghani</i>
	A Context-Aware Implicit Feedback Approach for Online Shopping Recommender Systems <i>Anh-Thu Luu Nguyen, Huu-Hoa Nguyen and Thai-Nghe Nguyen</i>
	Improving Efficiency of Sentence Boundary Detection by Feature Selection <i>Thi Nga Ho, Tze Yuang Chong, Van Hai Do, Van Tung Pham and Eng Siong Chng</i>
	Gradient depth map based ground plane detection for mobile robot applications <i>Dang Khanh Hoa, Pham The Cuong and Nguyen Tien Dzung</i>
	Using Context-Aware Environment for Elderly Abuse Prevention <i>Maciej Huk</i>

08:00 – 09:40 Tuesday 15 March 2016	DEC-3: Decision Support Systems-3 Chair: Prof. Andrzej Świerniak, Poland Location: Orchid Room
	How to Generate Benchmarks for Complex Routing Problems? <i>Marcin Ćwiek, Jakub Nalepa and Marcin Dublański</i> A new similarity measure for intuitionistic fuzzy sets and application in turbine fault diagnosis <i>Hoang Nguyen</i> Forecasting the Magnitude of Dengue in Southern Vietnam <i>Tuan Dinh and Tru Cao</i> On the relationship between the order of mutation testing and the properties of generated higher order mutants <i>Quang Vu Nguyen and Lech Madeyski</i>

Day 2. Tuesday, 15 March 2016	
Parallel Sessions 5	
9:40 – 11:00 Tuesday 15 March 2016	RWAET: Real World Applications in Engineering and Technology Chair: Prof. Ondrej Krejcar, Czech Republic Location: Lotus Ballroom 1+2
	Dijkstra-Based Selection for Parallel Multi-lanes Map-Matching and An Actual Path Tagging System <i>Mick Chang-Heng Lin, Fu-Ming Huang, Po-Ching Liu, Yu-Hsiang Huang and You-Shan Chung</i> PBX Autoresponder System for Information Lookup of Pupil Learning <i>Nguyen Hong Quang, Trinh Van Loan and Bui Duy Chien</i> Possibilities for Development and Use of 3D Applications on the Android Platform <i>Ondrej Krejcar and Ali Selamat</i> Pointing Error Effects on Performance of Amplify-and-Forward Relaying MIMO/FSO Systems Using SC-QAM Signals Over Log-Normal Atmospheric Turbulence Channels <i>Huu Ai Duong, Ha Duyen Trung and Trong Tuan Do</i>
9:40 – 11:00 Tuesday 15 March 2016	SP2S: Smart Pattern Processing for Sports Chair: Prof. SMN Arosha Senanayake, Brunei Location: Lotus Ballroom 3
	A Real-Time Intelligent Biofeedback Gait Patterns Analysis System for Knee Injured Subjects <i>Putri Wulandari, S.M.N. Arosha Senanayake and Owais Ahmed Malik</i>

	Pattern Recognition of Brunei Soldier's Based on 3-Dimensional Kinematics and Spatio-Temporal Parameters During Load Carriage Trial <i>Dk Nurhayatul Filzah Pg Damit, S. M. N. Arosha Senanayake, Owais Malik and Pg Hj Nor Jaidi Pg Tuah</i> An Integrated Pattern Recognition System for Knee Flexion Analysis <i>Joko Triloka, S. M. N. Arosha Senanayake and Daphne Lai</i> An EMG Knowledge-Based System for Leg Strength Classification and Vertical Jump Height Estimation of Female Netball Players <i>Umar Yahya, Smn Arosha Senanayake and Daphne Lai</i>
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9:40 – 11:00 Tuesday 15 March 2016	MMAML-2: Multiple Model Approach to Machine Learning-2 Chair: Dr. Andrzej Siemiński, Poland Location: Hibiscus Room Cooperation prediction in Github developers network with Restricted Boltzmann Machine extension <i>Roman Bartusiak and Tomasz Kajdanowicz</i> Fast and accurate - improving lexicon-based sentiment classification with an ensemble methods <i>Lukasz Augustyniak, Piotr Szymański, Tomasz Kajdanowicz and Przemysław Kazienko</i> Link Prediction in a Semi-Bipartite Network for Recommendation <i>Aastha Nigam and Nitesh V. Chawla</i> Empirical study of Social collaborative filtering algorithm <i>Firas Ben Kharrat, Elkhelifi Aymen and Rim Faiz</i>
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9:40 – 11:00 Tuesday 15 March 2016	ADMTA-1: Advanced Data Mining Techniques and Applications-1 Chair: Prof. Bay Vo, Vietnam Location: Magnolia Room Efficient Mining of Fuzzy Frequent Itemsets with Type-2 Membership Functions <i>Jerry Chun-Wei Lin, Xianbiao Lv, Philippe Fournier-Viger, Tsu-Yang Wu and Tzung-Pei Hong</i> Mining drift of fuzzy membership functions <i>Tzung-Pei Hong, Min-Thai Wu, Yan-Kang Li and Chun-Hao Chen</i> Mining Discriminative High Utility Patterns <i>Jerry Chun-Wei Lin, Wensheng Gan, Philippe Fournier-Viger and Tzung-Pei Hong</i> On Velocity-Preserving Trajectory Simplification <i>Josh Jia-Ching Ying and Ja-Hwung Su</i>
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9:40 – 11:00 Tuesday, 15 March 2016	CISTEF-1: Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems - 1 Chair: Prof. Chao-Fu Hong, Taiwan Location: Orchid Room
	A New Cosine Similarity Matching Model for Interior Design Drawing Case Reasoning <i>Kuo-Sui Lin and Ming-Chang Ke</i> Collaborative Learning in Teacher Education Community for pre-service teacher practice learning <i>Chia-Ling Hsu, Yi-Fang Chang and Chien-Han Chen</i> Mobile-assisted model of teaching and learning English for IT students <i>Ivana Simonova and Petra Poulova</i> Simulation of each type of defibrillation impulses by using LabVIEW <i>Lukas Peter and Radek Osmancik</i>

Day 2. Tuesday, 15 March 2016	
Parallel Sessions 6	
16:00 – 17:00 Tuesday, 15 March 2016	VIS-1: Computer Vision Techniques-1 Chair: Prof. Kang-Hyun Jo, Korea Location: Lotus Ballroom 1+2
	Detection and Recognition of Speed Limit Sign from Video <i>Lei Zhu, Chun-Sheng Yang and Jeng-Shyang Pan</i> FARTHEST: FormAI distRibuTed scHema to dETect Suspicious arTefacts <i>Pablo C, Mercedes Merayo and Alberto Núñez</i> Probabilistic Approach to Content-Based Indexing and Categorization of Temporally Aggregated Shots in News Videos <i>Kazimierz Choroś</i>

16:00 – 17:00 Tuesday 15 March 2016	SEM-3: Knowledge Engineering and Semantic Web-3 Chair: Prof. Geun-Sik Jo, Korea Location: Lotus Ballroom 3
	An Ontology-Based Knowledge Representation of MCDA Methods <i>Jarosław Wątróbski and Jarosław Jankowski</i> Finding Similar Clothes Based on Semantic Description for the Purpose of Fashion Recommender System <i>Dariusz Frejlichowski, Piotr Czapiewski and Radosław Hofman</i>

	Measuring Propagation Phenomena in Social Networks: Promising Directions and Open Issues <i>Dariusz Król</i>
16:00 – 17:00 Tuesday 15 March 2016	IVMLS-1: Analysis of Image, Video and Motion Data in Life Sciences-1 Chair: Dr. Marek Kulbacki, Poland Location: Hibiscus Room
	Analysis of Human Motion Data Using Recurrence Plots and Recurrence Quantification Measures <i>Henryk Josiński, Agnieszka Michalczuk, Romualda Mucha, Adam Świtoński, Agnieszka Szczęśna and Konrad Wojciechowski</i> Building the Facial Expressions Recognition System based on RGB-D Images in High Performance <i>Trung Truong and Ngoc Quoc Ly</i> Zero-Velocity Detectors for Orientation Estimation Problem <i>Agnieszka Szczęśna, Przemysław Prusowski, Andrzej Polański and Konrad Wojciechowski</i>
16:00 – 17:00 Tuesday 15 March 2016	ADMTA-2: Advanced Data Mining Techniques and Applications-2 Chair: Prof. Leon Bobrowski, Poland Location: Magnolia Room
	A Lossless Representation for Association Rules Satisfying Multiple Evaluation Criteria <i>Marzena Kryszkiewicz</i> An Item-Based Music Recommender System Using Music Content Similarity <i>Ja-Hwung Su and Ting-Wei Chiu</i> An Experimental Study on Cholera modeling in Hanoi <i>Ngoc-Anh Le Thi, Thi-Oanh Ngo, Huyen-Trang Lai Thi, Hoang-Quynh Le, Hai-Chau Nguyen and Quang-Thuy Ha</i>
16:00 – 17:00 Tuesday, 15 March 2016	CISTEF-2: Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-2 Chair: Dr. Kuo-Sui Lin, Taiwan Location: Orchid Room
	An Evaluation of the Conversation Agent System <i>Ong Sing Goh and Yogan Jaya Kumar</i> IPO and Financial News <i>Jia-Lang Seng, Pi-Hua Yang and Hsiao-Fang Yang</i>

	The Framework of Discovery Early Adopters' Incipient Innovative Ideas <i>Chao-Fu Hong, Mu-Hua Lin and Woo-Tsong Lin</i>
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Day 2. Tuesday, 15 March 2016

Parallel Sessions 7	
17:00 – 18:00 Tuesday 15 March 2016	VIS-2: Computer Vision Techniques-2 Chair: Dr. Kazimierz Choroś, Poland Location: Lotus Ballroom 1+2 Accelerative Object Classification using Cascade Structure for Vision based Security Monitoring Systems <i>Van-Dung Hoang and Kang-Hyun Jo</i> A Fast and Robust Image Watermarking Scheme using Improved Singular Value Decomposition <i>Luyen Thi Cao, Cuong Hieu Nguyen and At Van Pham</i> Multiscale Car Detection Using Oriented Gradient Feature and Boosting Machine <i>Wahyono, Van-Dung Hoang and Kang-Hyun Jo</i>

17:00 – 18:00 Tuesday 15 March 2016	MIN-3: Machine Learning and Data Mining-3 Chair: Prof. Goh Ong Sing, Malaysia Location: Lotus Ballroom 3 Hierarchical Evolutionary Multi-Biclustering - Hierarchical Structures of Biclusters Generation <i>Halina Kwaśnicka and Anna Maria Filipiak</i> Credit Risk Evaluation using Cycle Reservoir Neural Networks with Support Vector Machines Readout <i>Ali Rodan</i> Multiple Kernels based Collaborative Fuzzy Clustering Algorithm <i>Trong Hop Dang and Long Thanh Ngo</i>
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17:00 – 18:00 Tuesday 15 March 2016	IVMLS-2: Analysis of Image, Video and Motion Data in Life Sciences-2 Chair: Prof. Konrad Wojciechowski, Poland Location: Hibiscus Room Cellular nuclei differentiation evaluated by automated analysis of CLSM images <i>Julita Kulbacka, Marek Kulbacki, Jakub Segen, Grzegorz Chodaczek, Magda Dubińska-Magiera and Jolanta Saczko</i> Selected space-time based methods for Action Recognition <i>Sławomir Wojciechowski, Marek Kulbacki, Jakub Segen, Rafał Wyciśłok, Artur Bak, Kamil Wereszczyński and Konrad Wojciechowski</i>
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	Recent developments on tracking based methods <i>Michał Staniszewski, Mateusz Kłoszczyk, Jakub Segen, Kamil Wereszczyński and Marek Kulbacki</i>
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17:00 – 18:00 Tuesday 15 March 2016	ADMTA-3: Advanced Data Mining Techniques and Applications-3 Chair: Prof. Ja-Hwung Su, Taiwan Location: Magnolia Room
	Learning Algorithms Aimed at Collinear Patterns <i>Leon Bobrowski and Paweł Zabielski</i>
	Fast Human Activity Recognition Based On a Massively Parallel Implementation of Random Forest <i>Jan Janousek, Petr Gajdos, Michal Radecky and Pavel Dohnalek</i>
	Improving the Performance of Collaborative Filtering with Category-Specific Neighborhood <i>Karnam Dileep Kumar, Polepalli Krishna Reddy and Pailla Balakrishna Reddy</i>

17:00 – 18:00 Tuesday 15 March 2016	DEC-4: Decision Support Systems-4 Chair: Prof. Jacek Mercik, Poland Location: Orchid Room
	Dynamic Diversity Populations Based Flower Pollination Algorithm for Multimodal Optimization <i>Jeng-Shyang Pan, Thi-Kien Dao, Trong-The Nguyen, Shu-Chuan Chu and Tien-Szu Pan</i>
	ALMM Solver for Combinatorial and Discrete Optimization Problems – Idea of Problem Model Library <i>Ewa Dudek-Dyduch and Sławomir Korzonek</i>
	Enhanced Guided Search for the Pickup and Delivery Problem with Time Windows <i>Jakub Nalepa and Mirosław Blocho</i>

Day 3. Wednesday, 16 March 2016	
Parallel Sessions 8	
08:00 – 09:00 Wednesday 16 March 2016	VIS-3: Computer Vision Techniques-3 Chair: Prof. Phuoc Tran Vinh, Vietnam Location: Lotus Ballroom 1+2
	A Method of Data Registration for 3D Point Clouds Combining with Motion Capture Technologies <i>Shicheng Zhang, Dongsheng Zhou and Qiang Zhang</i>

	Feature Selection Based on Synchronization Analysis for Multiple fMRI Data <i>Ngoc Dung Bui, Hieu Cuong Nguyen, Sellappan Palaniappan and Siew Ann Cheong</i> Selections of Suitable UAV Imagery's Configurations for Regions Classification <i>Hai Vu, Thi Lan Le, Van Giap Nguyen and Tan Hung Dinh</i>
08:00 – 09:00 Wednesday 16 March 2016	MOT-2: Modelling and Optimization Techniques in Information Systems, Database Systems and Industrial Systems - 2 Chair: Prof. Hoai An Le Thi, France Location: Lotus Ballroom 3
	DC programming and DCA for enhancing Physical Layer Security via Relay Beamforming Strategies <i>Thi Thuy Tran, Nguyen Nhu Tuan and Hoai An Le Thi</i> Online DC optimization for Online Binary Linear Classification <i>Vinh Thanh Ho, Hoai An Le Thi and Dinh Chien Bui</i> Robust Optimization for Clustering <i>Xuan Thanh Vo, Hoai An Le Thi and Tao Pham Dinh</i>
08:00 – 09:00 Wednesday 16 March 2016	IVMLS-3: Analysis of Image, Video and Motion Data in Life Sciences-3 Chair: Dr. Jakub Segen, USA Location: Hibiscus Room
	Recent developments on 2D pose estimation from monocular images <i>Artur Bąk, Dawid Świątkowski, Marek Kulbacki, Jakub Segen and Kamil Wereszczyński</i> Video editor for annotating human actions and object trajectories <i>Marek Kulbacki, Kamil Wereszczyński, Jakub Segen, Artur Bąk, Michał Sachajko and Aldona Drabik</i> Learning Articulated Models of Joint Anatomy from Ultrasound Images <i>Jakub Segen, Kamil Wereszczyński, Marek Kulbacki, Artur Bąk and Marzena Wojciechowska</i>

08:00 – 09:00 Wednesday 16 March 2016	CIDMCP-1: Computational Intelligence in Data Mining for Complex Problems-1 Chairs: Prof. Habiba Drias, Algeria, Prof. Yalaoui Farouk, France Location: Magnolia Room
	Sink Toward Source Algorithm Finding Maximal Flows on Extended Mixed Networks <i>Tran Ngoc Viet, Hoang Bao Hung, Tran Quoc Chien, Le Manh Thanh and Hoang Thi Khanh Van</i>
	An Efficient Dynamic Programming Algorithm for SEQ-IC-SEQ-IC-LCS Problem <i>Xiaodong Wang</i>
	A New Betweenness Centrality Algorithm with Local Search for Community Detection in Complex Network <i>Youcef Belkhiri, Nadjat Kamel and Habiba Drias</i>

Day 3. Wednesday, 16 March 2016	
Parallel Sessions 8	
9:00 – 10:00 Wednesday 16 March 2016	VIS-4: Computer Vision Techniques-4 Chair: Prof. Ngoc Quoc Ly, Vietnam Location: Lotus Ballroom 1+2
	Exploiting GPU for Large Scale Fingerprint Identification <i>Le-Hong Hai, Nguyen-Ngoc Hoa and Nguyen-Tri Thanh</i>
	Increasing the Efficiency of GPU-based HOG Algorithms through Tile-Images <i>Dariusz Malysiak and Markus Markard</i>

9:00 – 10:00 Wednesday 16 March 2016	MIN-4: Machine Learning and Data Mining-4 Chair: Dr. Maciej Zięba, Poland Location: Lotus Ballroom 3
	An Enhanced Support Vector Machine for Faster Time Series Classification <i>Thapanan Janyalikit, Phongsakorn Sathianwiriyaikhun, Haemwaan Sivaraks and Chotirat A.</i>
	On Fast Randomly Generation of Population of Minimal Phase and Stable Biquad Sections for Evolutionary Digital Filters Design Methods <i>Adam Słowik</i>

9:00 – 10:00 Wednesday 16 March 2016	IVMLS-4: Analysis of Image, Video and Motion Data in Life Sciences-4 Chair: Dr. Marek Kulbacki, Poland Location: Hibiscus Room
	Facial Reconstruction on the Basis of Video Surveillance System for the Purpose of Suspect Identification <i>Damian Pęszor, Michał Staniszewski and Marzena Wojciechowska</i> Efficient Motion Magnification <i>M. Domżał, D. Sobel, J. Kwiatkowski, K. Jędrasiak and A. Nawrat</i> Real Time Thermogram Enhancement by FPGA-Based Contrast Stretching <i>Jan Kwiatkowski, Krzysztof Daniec, Karol Jędrasiak, Dawid Sobel, Mariusz Domżał and Aleksander Nawrat</i>
9:00 – 10:00 Wednesday 16 March 2016	CIDMCP-2: Computational Intelligence in Data Mining for Complex Problems-2 Chairs: Prof. Habiba Drias, Algeria, Prof. Yalaoui Farouk, France Location: Magnolia Room
	Meta-Apriori: A New Algorithm for Frequent Pattern Detection <i>Benhamouda Neyla, Drias Habiba and Hireche Celia</i> Solving a malleable jobs scheduling problem to minimize total weighted completion times by Mixed Integer Linear Programming models <i>Nhan-Quy Nguyen, Farouk Yalaoui, Lionel Amodeo, Hicham Chehade and Pascal Toggenburger</i> Theoretical analysis of workload imbalance minimization problem on identical parallel machines <i>Ouazene Yassine, Yalaoui Farouk, Alice Yalaoui and Hicham Chehade</i>
9:00 – 10:00 Wednesday 16 March 2016	OSD: Ontology-Based Software Development Chair: Dr. Bogumiła Hnatkowska, Poland Location: Orchid Room
	Ensuring the Correctness of Business Workflows at the Syntactic Level: An Ontological Approach <i>Thi Hoa Hue Nguyen and Nhan Le Thanh</i> Semantic integration via Enterprise Service Bus in Virtual Organization Breeding Environments <i>Wilcilene Maria Kowal Schratzenstaller, Fabiano Baldo and Ricardo José Rabelo</i> Conceptual modeling using knowledge of domain ontology <i>Iwona Dubielewicz, Bogumiła Hnatkowska, Zbigniew Huzar and Lech Tuzinkiewicz</i>

	ACIIDS 2016, Da Nang, Vietnam 14-16 March 2016 Poster Sessions
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Day 1. Monday, 14 March 2016	
Poster Session-1	
13:15 – 13:35	Introduction to Poster Session 1. Presentations of individual posters Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Lotus Ballroom 1+2
13:35 – 14:00	Poster Session 1 Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Foyer of Lotus Ballroom
	Poster 1: Integrated system supporting research on environment related cancers <i>Wojciech Benz, Damian Borys, Krzysztof Fajarewicz, Kinga Herok, Roman Jaksik, Marcin Krasucki, Agata Kurczyk, Kamil Matusik, Dariusz Mrozek, Magdalena Ochab, Marcin Pacholczyk, Justyna Pieter, Krzysztof Puszyński, Krzysztof Psiuk-Maksymowicz, Sebastian Student, Andrzej Świerniak and Jarosław Smieja</i> Poster 2: Admission Control and Scheduling Algorithms Based on ACO and PSO Heuristic for Optimizing Cost in Cloud Computing <i>Ha Nguyen Hoang, Son Le Van, Han Nguyen Mau and Cuong Phan Nhat Bien</i> Poster 3: A Novel Clustering-based 1-NN Classification of Time Series based on MDL Principle <i>Vinh T. Vo and Duong Tuan Anh</i> Poster 4: Solutions of Creating Large Data Resources in Natural Language Processing <i>Huynh Cong Phap</i> Poster 5: A new method for transforming TimeER model-based specification into OWL ontology <i>Toan Nguyen Van, Minh Vo Hoang Lien, Quang Hoang and Hanh Hoang Huu</i> Poster 6: Cryptanalysis of SDES Using Genetic and Memetic Algorithms <i>Kamil Dworak, Jakub Nalepa, Urszula Boryczka and Michał Kawulok</i>

	Poster 7: Efficient Subsequence Join over Time Series under Dynamic Time Warping <i>Vo Duc Vinh and Duong Tuan Anh</i> Poster 8: Specific Behavior Recognition based on Behavior Ontology <i>Ngoc Quoc Ly, Anh Minh Truong and Hanh Van Nguyen</i> Poster 9: TooKie - a new way to secure sessions <i>Péter Vörös and Attila Kiss</i> Poster 10: Experience-Oriented Knowledge Management for Internet of Things <i>Haoxi Zhang, Cesar Sanin and Edward Szczerbicki</i> Poster 11: Big data analysis for event detection microblogs <i>Soumaya Cherichi, Rim Faiz and Sondes Missaoui</i> Poster 12: Hand Detection and Gesture Recognition Using Symmetric Patterns <i>Hassan Mashad Nemati, Yuantao Fan and Fernando Alonso-Fernandez</i> Poster 13: Surface of Articular Cartilage Extraction Using Fuzzy C-Means Segmentation <i>Jan Kubicek, Iveta Bryjova, Marek Penhaker, Michal Kodaj and Martin Augustynek</i> Poster 14: Model Kidney Function in Stabilizing of Blood Pressure <i>Martin Augustynek, Jan Kubicek, Martin Cerny and Marie Bachrata</i> Poster 15: Design and Development of Location Based Service Application of Smart Electronic Wallet <i>Ondrej Krejcar</i> Poster 16: Peer to Peer Social Network for Disaster Recovery <i>Tai Nguyen Duy, Quang Tran Minh and Tran Vu Pham</i> Poster 17: A New Approach for Multilingual Movie Recommendation Systems <i>Xuan Hau Pham, Jason J. Jung and Ngoc Thanh Nguyen</i>
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	Poster 18: Living labs for human motion analysis and synthesis in shareconomy model <i>Marek Kulbacki, Kamil Wereszczyński, Jakub Segen, Artur Bąk, Marzena Wojciechowska and Jerzy Nowacki</i> Poster 19: Intelligent secure communications between Systems <i>Azahara Camacho, Mercedes Merayo and Manuel Núñez</i> Poster 20: A formal passive testing approach to control the integrity of private information in eHealth systems <i>Azahara Camacho, Mercedes Merayo and Manuel Núñez</i>
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Day 2. Tuesday, 15 March 2016	
Poster Session-2	
13:45 – 14:05	Introduction to Poster Session 2. Presentations of individual posters Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Lotus Ballroom 1+2
14:05 – 14:30	Poster Session 2 Chairs: Prof. Lech Madeyski, Poland and Dr. Dariusz Król, Poland Location: Foyer of Lotus Ballroom
	Poster 21 Conference Calls and Stock Price Volatility <i>Jia-Lang Seng, Yi-Hui Wu and Hsiao-Fang Yang</i> Poster 22 Pre-training Neural Network for Automatic Genre Recognition <i>Mariusz Kleć</i> Poster 23: Key frames Extraction from Human Motion Capture Data Based on Hybrid Particle Swarm Optimization Algorithm <i>Xiaojing Chang, Pengfei Yi, Qiang Zhang and Dongsheng Zhou</i> Poster 24 Data-driven complex motion design for humanoid robots <i>Xiaojie Zheng, Pengfei Yi, Qiang Zhang and Dongsheng Zhou</i> Poster 25: Text Compression using tri-grams dictionary <i>Vu Nguyen, Hien Nguyen, Hieu Duong Ngoc and Vaclav Snasel</i>

	Poster 26 Building 3D Object Reconstruction System based on Color-Depth Image Sequences. <i>Ngoc Quoc Ly, Tai Cong Tan Vu and Thanh Quoc Tac</i> Poster 27 Lexicon-Based Sentiment Analysis of Facebook Comments in Vietnamese language <i>Luu Nguyen, Minh Vo, Son Trinh and Phuc Do</i> Poster 28 Design and Implementation of an Algorithm for System of Exposure Limit in Radiology <i>David Oczka, Marek Penhaker, Lukas Knybel and Jan Kubicek</i> Poster 29 Extraction of Myocardial Fibrosis Using Iterative Active Shape Method <i>Jan Kubicek, Iveta Bryjova, Marek Penhaker, Michal Kodaj and Martin Augustynek</i> Poster 30 Scoring Explanatoriness of A Sentence and Ranking for Explanatory Opinion Summary <i>Trung Vo, Bac Le and Minh Le Nguyen</i> Poster 31 A Multiple Kernels Interval Type-2 Possibilistic C-Means <i>Minh Ngoc Vu and Long Thanh Ngo</i> Poster 32 Using Content-based Features for Author Profiling of Vietnamese Forum Posts <i>Duc Duong, Son Pham and Hanh Tan</i> Poster 33 Long term analysis of the localization model based on Wi-Fi network <i>Rafał Górak and Marcin Luckner</i> Poster 34 Application of the Characteristic Objects Method in Supply Chain Management and logistics <i>Wojciech Sałabun and Paweł Ziemba</i> Poster 35 Analyzing and Conceptualizing Monitoring and Analytics as a Service for Grain Warehouses <i>Dung Cao and Hong-Linh Truong</i>
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	Poster 36: An Efficient Tree-based Rule Mining Algorithm for Sequential Rules with Explicit Timestamps in Temporal Educational Databases <i>Van Hoang Thi Hong, Chau Vo and Phung Nguyen Hua</i> Poster 37 Non Verbal Approach for Emotion Detection <i>Bharati Dixit and Arun Gaikwad</i> Poster 38 Application of Artificial Neural Networks in Condition Based Predictive Maintenance <i>Ondrej Krejcar, Pavel Blazek, Kamil Kuca and Jiri Krenek</i> Poster 39 Personalization of Learning Content and Its Structure, Based on Limitations of LMSs <i>Aneta Bartuskova and Ondrej Krejcar.</i> Poster 40 Technological Devices for Elderly People with Alzheimer's Disease - a Review Study <i>Blanka Klimova and Petra Maresova</i>
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