



ACIIDS 2017, Kanazawa, Japan
3-5 April 2017
Conference Program at a Glance

Day 1. Monday, 3 April 2017

08:00 – 09:00	Registration Location:
09:00 – 09:30	Opening Ceremony Chair: Prof. Satoshi Tojo, JAIST, Japan Location: Zuisyo Ball Room
09:30 – 10:30	Keynote Lecture 1 Speaker: Prof. Bernhard Pfahringer, New Zealand Topic: Current challenges in stream mining Chair: Prof. Ngoc Thanh Nguyen, Poland Location: Zuisyo Ball Room
10:30 – 10:40	Photo Session (group photo) Location:
10:30 – 11:00	Coffee break Location:
11:00 – 12:00	Keynote Lecture 2 Speaker: Prof. Hideyuki Takagi, Japan Topic: How Should Computational Intelligence Cooperate with Human Intelligence? Chair: Prof. Tzung-Pei Hong, Taiwan Location: Zuisyo Ball Room

12:00 – 13:00	Lunch Location: ...			
13:00 – 14:00	Poster Session 1 Chairs: Prof. Kiyoaki Shirai, Japan and Dr. Dariusz Król, Poland Location: Zuisyo Ball Room			
Parallel Sessions 1				
14:00 – 15:00	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	SOC-1 Social Networks and Recommender Systems-1 Chair: Prof. Geun Sik Jo, Korea	MIN-1 Machine Learning and Data Mining-1 Chair: Prof. Ali Selamat, Malaysia	TXT-1 Natural Language and Text Processing-1 Chair: Prof. Jaroslav Pokorny, Czech Republic	ICxS-1 Intelligent and Contextual Systems-1 Chair: Dr. Maciej Huk, Poland
15:00 – 15:30	Coffee break Location: ...			
Parallel Sessions 2				
15:30 – 16:50	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	KNO-1 Knowledge Engineering and Semantic Web-1 Chair: Prof. Marcin Paprzycki, Poland	DBS Intelligent Database Systems Chair: Prof. Suphamit Chittayasothorn, Thailand	TXT-2 Natural Language and Text Processing-2 Chair: Prof. Rey-Long Liu, Taiwan	ICxS-2 Intelligent and Contextual Systems-2 Chair: Prof. Goutam Chakraborty, Japan

Parallel Sessions 3				
16:50– 18:30	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	KNO-2 Knowledge Engineering and Semantic Web-2 Chair: Prof. Zbigniew Huzar, Poland	IIS Intelligent Information Systems Chair: Prof. Kazuhiro Kuwabara, Japan	VIS Computer Vision Techniques Chair: Prof. Kang-Hyun Jo, Korea	IDAIoT Intelligent Data Analysis, Applications and Technologies for Internet of Things Chair: Prof. Rung-Ching Chen, Taiwan
20:00 – 22:00	Welcome Reception Location: Zuisyo Ball Room			

Day 2. Tuesday, 4 April 2017

Parallel Sessions 4

	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
08:00 – 09:10	ISAIS Intelligent Systems and Algorithms in Information Sciences Chairs: Prof. Eva Volna, Dr. Martin Kotyrba, Czech Republic	ARPTA Automated Reasoning and Proving Techniques with Applications in Intelligent Systems Chair: Prof. Jingde Cheng, Japan	MMAML Multiple Model Approach to Machine Learning Chair: Prof. Bogdan Trawiński, Poland	ITiB-1 IT in Biomedicine-1 Chair: Prof. Ondrej Krejcar, Czech Republic

Parallel Sessions 5

	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
09:10– 10:30	ADS Applications of Data Science Chair: Prof. Fulufhelo V. Nelwamondo, South Africa	AIAE Artificial Intelligence Applications for E-services Chair: Prof. Chen-Shu Wang, Prof. Deng-Yiv Chiu, Taiwan	TPATIT Technological Perspective of Agile Transformation in IT organizations Chair: Prof. Cezary Orłowski, Poland	SDABBI Scalable Data Analysis in Bioinformatics and Biomedical Informatics Chair: Dr. Dariusz Mrozek, Poland
10:30 – 11:00	Coffee break Location: ...			
11:00 – 12:00	Keynote Lecture 3 Speaker: Prof. Edward Szczerbicki, Australia Topic: Bio-inspired Decisional DNA for machines and other systems Chair: Prof. Dosam Hwang, Korea Location: Zuisyo Ball Room			

12:00 – 13:00	Lunch Location: ...			
13:00 – 14:00	Poster Session 2 Chairs: Prof. Kiyoaki Shirai, Japan and Dr. Dariusz Król, Poland Location: Zuisyo Ball Room			
14:00 – 15:00	Keynote Lecture 4 Speaker: Prof. Tu-Bao Ho, Japan Topic: Semantic Term Weighting for Clinical Texts Chair: Prof. Le Minh Nguyen, JAIST, Japan Location: Zuisyo Ball Room			
15:30 – 15:30	Coffee break Location:			
Parallel Sessions 6				
15:30 – 16:30	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyō Room
	SOC-2 Social Networks and Recommender Systems-2 Chair: Prof. Tetsuji Kuboyama, Japan	MIN-2 Machine Learning and Data Mining-2 Chair: Prof. Marzena Kryszkiewicz, Poland	DEC-1 Decision Support & Control Systems -1 Chair: Prof. Hoai An Le Thi, France	InBRAIN Intelligent Algorithms and Brain Functions Chair: Prof. Andrzej Przybyszewski, Poland

Parallel Sessions 7				
16:30 – 17:30	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	SOC-3 Social Networks and Recommender Systems-3 Chair: Prof. Halina Kwaśnicka, Poland	MIN-3 Machine Learning and Data Mining-3 Chair: Prof. Mark Last, Israel	DEC-2 Decision Support & Control Systems -2 Chair: Prof. Frantisek Capkovic, Slovakia	ADMTA-1 Advanced Data Mining Techniques and Applications-1 Chair: Prof. Tzung-Pei Hong, Taiwan
Parallel Sessions 8				
17:30 – 18:30	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	SOC-4 Social Networks and Recommender Systems-4 Chair: Prof. Jacek Mercik, Poland	MIN-4 Machine Learning and Data Mining-4 Chair: Prof. Leszek Kotulski, Poland	MDSIS Mathematics of Decision Sciences and Information Science Chair: Prof. Takashi Matsuhisa, Japan	ADMTA-2 Advanced Data Mining Techniques and Applications-2 Chair: Prof. Ja-Hwung Su, Taiwan
20:00 – 22:30	Banquet Dinner Location: Zuisyo Ball Room			

Day 3. Wednesday, 5 April 2017

Parallel Sessions 9

	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
08:00 – 09:00	MAMLAKE 2017 Modern Applications of Machine Learning for Actionable Knowledge Extraction Chair: Dr. Waseem Ahmad, New Zealand	ITSC-1 Intelligent Technologies in the Smart Cities in the 21st Century-1 Chair: Prof. Cezary Orłowski, Poland	IVMLS-1 Analysis of Image, Video and Motion Data in Life Sciences-1 Chair: Dr. Marek Kulbacki, Poland	ICVSA-1 Intelligent Computer Vision Systems and Applications -1 Chair: Dr. Dariusz Frejlichowski, Poland

Parallel Sessions 10

	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
09:00 – 10:00	CISTEF-1 Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-1 Chair: Dr. Kuo-Sui Lin, Taiwan	ITSC-2 Intelligent Technologies in the Smart Cities in the 21st Century-2 Chair: Prof. Cezary Orłowski, Poland	IVMLS-2 Analysis of Image, Video and Motion Data in Life Sciences-2 Chair: Dr. Marek Kulbacki, Poland	ICVSA -2 Intelligent Computer Vision Systems and Applications -2 Chair: Dr. Dariusz Frejlichowski, Poland
10:00 – 10:30	Coffee break Location: ...			

Parallel Sessions 11				
10:30– 11:30	Zuisyo Ball Room	Mokuren Room	Kuchinashi Room	Kikyo Room
	CISTEF-2 Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-2 Chair: Dr. Kuo-Sui Lin, Taiwan	ITiB-2 IT in Biomedicine-2 Chair: Prof. Ondrej Krejcar, Czech Republic	IVMLS-3 Analysis of Image, Video and Motion Data in Life Sciences-4 Chair: Dr. Marek Kulbacki, Poland	ICVSA -3 Intelligent Computer Vision Systems and Applications -3 Chair: Dr. Dariusz Frejlichowski, Poland
11:30 – 12:15	Panel Discussion Topic: Current Trends in Intelligent and Database Systems Moderator: Prof. Ngoc Thanh Nguyen, Poland Location: Zuisyo Ball Room			
12:15 – 12:30	Closing Ceremony (including best paper, best poster, and best special session award ceremony) Chair: Prof. Satoshi Tojo, JAIST, Japan Location: Zuisyo Ball Room			
12:30 – 13:30	Lunch Location:			
14:00 – 20:00	Excursion to Kanazawa			



ACIIDS 2017, Kanazawa, Japan
3-5 April 2017
Parallel Thematic Sessions

Day 1. Monday, 3 April 2017

Parallel Sessions 1

14:00 – 15:00 Monday 3 April 2017	SOC-1: Social Networks and Recommender Systems-1 Chair: Prof. Geun Sik Jo, Korea Location: Zuisyo Ball Room
	A Consensus-based Method to Enhance a Recommendation System for Research Collaboration <i>Dinh Tuyen Hoang, Van Cuong Tran, Tuong Tri Nguyen, Ngoc Thanh Nguyen and Dosam Hwang</i> International Business Matching using Word Embedding <i>Didier Gohourou, Daiki Kurita, Kazuhiro Kuwabara and Hung-Hsuan Huang</i> Complex networks in the epidemic modelling <i>Tomasz Biegus and Halina Kwasnicka</i>

14:00 – 15:00 Monday 3 April 2017	MIN-1: Machine Learning and Data Mining-1 Chair: Prof. Ali Selamat, Malaysia Location: Mokuren Room
	Analyzing performance of high frequency currency rates prediction model using linear kernel SVR on historical data <i>Chanakya Serjam and Akito Sakurai</i> Authenticating ANN-NAR and ANN-NARMA Models Utilizing Bootstrap Techniques <i>Nor Azura Md. Ghani, Saadi Ahmad Kamaruddin, Norazan Mohamed Ramli and Ali Selamat</i> Metaheuristic Optimization on Conventional Freeman Chain Code Extraction Algorithm for Handwritten Character Recognition <i>Muhammad Arif Mohamad, Habibollah Haron and Haswadi Hasan</i>

14:00 – 15:00 Monday 3 April 2017	TXT-1: Natural Language and Text Processing-1 Chair: Prof. Jaroslav Pokorný, Czech Republic Location: Kuchinashi Room
	Identification of Biomedical Articles with Highly Related Core Contents <i>Rey-Long Liu</i>

	<p>A Method for User Profile Learning in Document Retrieval System using Bayesian Network <i>Bernadetta Maleszka</i></p> <p>Simple and accurate method for parallel web pages detection <i>Alibi Jangeldin and Zhenisbek Assylbekov</i></p>
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14:00 – 15:00 Monday 3 April 2017	<p>ICxS-1: Intelligent and Context Systems-1 Chair: Dr. Maciej Huk, Poland Location: Kikyo Room</p>
	<p>Selecting Important Features Related to Efficacy of Mobile Advertisements <i>Goutam Chakraborty, Liu Chun Cheng, Long-Sheng Chen and Cedric Bornand</i></p> <p>A Comparative Study of Evolutionary Algorithms with a New Penalty based Fitness Function for Feature Subset Selection <i>Atsushi Kawamura and Basabi Chakraborty</i></p> <p>A Context-Aware Fitness Function based on Feature Selection for Evolutionary Learning of Characteristic Graph Patterns <i>Fumiya Tokuhara, Tetsuhiro Miyahara, Tetsuji Kuboyama, Yusuke Suzuki and Tomoyuki Uchida</i></p>

Day 1. Monday, 3 April 2017	
Parallel Sessions 2	
15:30 – 16:50 Monday 3 April 2017	<p>KNO-1: Knowledge Engineering and Semantic Web-1 Chair: Prof. Marcin Paprzycki, Poland Location: Zuisyo Ball Room</p>
	<p>The knowledge increase estimation framework for ontology integration on the instance level <i>Marcin Pietranik, Adrianna Kozierekiewicz-Hetmańska and Bogumila Hnatkowska</i></p> <p>Collective Knowledge: An Enhanced Analysis of the Impact of Collective Cardinality <i>Van Du Nguyen</i></p> <p>A new ontology-based approach for construction of domain model <i>Bogumila Hnatkowska, Zbigniew Huzar, Lech Tuzinkiewicz and Iwona Dubielewicz</i></p> <p>Merging Possibilistic Belief Bases by Argumentation <i>Thi Hong Khanh Nguyen, Trong Hieu Tran, Tran Van Nguyen and Thi Thanh Luu Le</i></p>

15:30 – 16:50 Monday 3 April 2017	DBS: Intelligent Database Systems Chair: Prof. Suphamit Chittayasothorn, Thailand Location: Mokuren Room
	Functional Querying in Graph Databases <i>Jaroslav Pokorny</i> Answering Temporal Analytic Queries Over Big Data Based on Precomputing Architecture <i>Nigel Franciscus, Xuguang Ren and Bela Stantic</i> A Multi-Database Access System with Instance Matching <i>Thanapol Phungtua-Eng and Suphamit Chittayasothorn</i> Online Transaction Processing (OLTP) Performance Improvement using Filesystems Layer Transparent Compression <i>Adrianus Kurniadi and Suharjito</i>
15:30 – 16:50 Monday 3 April 2017	TXT-2: Natural Language and Text Processing-2 Chair: Prof. Rey-Long Liu, Taiwan Location: : Kuchinashi Room
	Online Integration of Fragmented XML Documents <i>Handoko Handoko and Janusz Getta</i> An Efficient Hybrid Model for Vietnamese Sentiment Analysis <i>Thanh Hung Vo, Thien Tin Nguyen, Hoang Anh Pham and Thanh Van Le</i> Combining Latent Dirichlet Allocation and K-means for Documents Clustering: Effect of Probabilistic Based Distance Measures <i>Quang Vu Bui, Karim Sayadi, Soufian Ben Amor and Marc Bui</i> A Hybrid Method for Named Entity Recognition on Tweet Streams <i>Van Cuong Tran, Dinh Tuyen Hoang, Ngoc Thanh Nguyen and Dosam Hwang</i>
15:30 – 16:50 Monday 3 April 2017	ICxS-2: Intelligent and Contextual Systems-2 Chair: Prof. Goutam Chakraborty, Japan Location: Kikyo Room
	Context Injection as a Tool for Measuring Context Usage in Machine Learning <i>Maciej Huk</i> An Approach for Multi-Relational Data Context in Recommender Systems <i>Thai-Nghe Nguyen, Nhut-Tu Mai and Huu-Hoa Nguyen</i>

	<p>A hybrid feature selection method based on symmetrical uncertainty and support vector machine for high-dimensional data classification <i>Yongjun Piao and Keun Ho Ryu</i></p> <p>An Artificial Player for a Turn-based Strategy Game <i>Filip Maly, Pavel Kriz and Adam Mrazek</i></p>
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Day 1. Monday, 3 April 2017

Parallel Sessions 3	
16:50 – 18:30 Monday 3 April 2017	<p>KNO-2: Knowledge Engineering and Semantic Web-2 Chair: Prof. Zbigniew Huzar, Poland Location: Zuisyo Ball Room</p>
	<p>Towards common vocabulary for IoT ecosystems – preliminary considerations <i>Maria Ganzha, Marcin Paprzycki, Wiesław Pawłowski, Paweł Szmeja and Katarzyna Wasielewska</i></p> <p>Graphical interface for ontology mapping with application to access control <i>Michał Drozdowicz, Motasem Alwazir, Maria Ganzha and Marcin Paprzycki</i></p> <p>Influence of group characteristics on agent voting <i>Marcin Maleszka</i></p> <p>Analyses of Aspects of Knowledge Diffusion Based on the Example of the Green Supply Chain <i>Anna Maryniak and Łukasz Strąk</i></p>

16:50 – 18:30 Monday 3 April 2017	<p>IIS: Intelligent Information Systems Chair: Prof. Kazuhiro Kuwabara, Japan Location: Mokuren Room</p>
	<p>Enhancing Product Innovation through Smart Innovation Engineering System <i>Mohammad Maqbool Waris, Edward Szczerbicki and Cesar Maldonado Sanin</i></p> <p>Comparative Evaluation of Bluetooth and Wi-Fi Direct for Tablet-Oriented Educational Applications <i>Keiichi Endo, Ayame Onoyama, Dai Okano, Yoshinobu Higami and Shinya Kobayashi</i></p> <p>Analysis and Solution Model of Distributed Computing in Scientific Calculations <i>Vladimir Sobeslav and Josef Horalek</i></p>

	<p>Information Technology Services Evaluation Based ITIL V3 2011 and COBIT 5 in Center for Data and Information <i>Firman Hartawan and Jarot S. Suroso</i></p> <p>Comparing TPC-W and RUBiS via PCA <i>Markus Lumpe and Bao Vo</i></p>
<p>16:50 – 18:30 Monday 3 April 2017</p>	<p>VIS: Computer Vision Techniques Chair: Prof. Kang-Hyun Jo, Korea Location: Kuchinashi Room</p> <p>Automatic Interactive Video Authoring Method via Object Recognition <i>Ui Nyoung Yoon, Myung Duk Hong and Geun Sik Jo</i></p> <p>Highlights Extraction in Sports Videos Based on Automatic Posture and Gesture Recognition <i>Kazimierz Choroś</i></p> <p>Boosting Detection Results of HOG-based Algorithms Through Non-Linear Metrics and ROI Fusion <i>Dariusz Malysiak, Anna-Katharina Roemhild, Christoph Niess and Uwe Handmann</i></p> <p>Target object tracking-based 3D object reconstruction in a multiple camera environment in real time <i>Jinjoo Song, Heeryon Cho and Sang Min Yoon</i></p> <p>Boosting Discriminative Models for Activity Detection using Local feature descriptors <i>Van-Huy Pham, My-Ha Le and Van-Dung Hoang</i></p>
<p>16:50 – 18:30 Monday 3 April 2017</p>	<p>IDAIoT: Intelligent Data Analysis, Applications and Technologies for Internet of Things Chair: Prof. Rung-Ching Chen, Taiwan Location: Kikyo Room</p> <p>Reaching Safety Vehicular Ad Hoc Network of IoT <i>Shu-Ching Wang, Shih-Chi Tseng, Shun-Sheng Wang and Kuo-Qin Yan</i></p> <p>Bus Drivers Fatigue Measurement Based on Monopolar EEG <i>Chin-Ling Chen, Chong-Yan Liao, Rung-Ching Chen, Yung-Wen Tang and Tzay-Farn Shih</i></p> <p>An Improved Sleep Posture Recognition Based on Force Sensing Resistors <i>Yung-Fa Huang, Yi-Hsiang Hsu, Chang Chia-Chi, Shing-Hong Liu, Ching-Chuan Wei, Tsung-Yu Yao and Chuan-Bi Lin</i></p>

	<p>Short-Term Load Forecasting in Smart Meters with Sliding Window-Based ARIMA Algorithms <i>Dima Alberg and Mark Last</i></p> <p>Remaining Useful Life Estimation-A Case Study on Soil Moisture Sensors <i>Fang-Chien Chai, Chun-Chih Lo, Mong-Fong Horng and Yau-Hwang Kuo</i></p>
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Day 2. Tuesday, 4 April 2017	
Parallel Sessions 4	
08:00 – 09:10 Tuesday 4 April 2017	ISAI: Intelligent Systems and Algorithms in Information Sciences Chairs: Prof. Eva Volna, Dr. Martin Kotyrba, Czech Republic Location: Zuisyo Ball Room
	Reasoning in formal systems of extended RDF networks <i>Martin Žáček, Alena Lukasová and Marek Vajgl</i>
	Big Data Filtering through Adaptive Resonance Theory <i>Adam Barton, Eva Volna and Martin Kotyrba</i>
	The Effectiveness of the Simplicity in Evolutionary Computation <i>Michał Przewozniczek, Krzysztof Walkowiak and Michał Aibin</i>
	Genetic Algorithm for Self-Test Path and Circular Self-Test Path Design <i>Miłosław Chodacki</i>
08:00 – 09:10 Tuesday, 4 April 2017	ARPTA: Automated Reasoning and Proving Techniques with Applications in Intelligent Systems Chair: Prof. Jingde Cheng, Japan Location: Mokuren Room
	Anticipatory Runway Incursion Prevention Based on Inaccurate Position Surveillance Information <i>Kai Shi, Hai Yu, Zhiliang Zhu and Jingde Cheng</i>
	The Relation between Syntax Restriction of Temporal Logic and Properties of Reactive System Specification <i>Noriaki Yoshiura</i>
	Measuring Interestingness of Theorems in Automated Theorem Finding by Forward Reasoning: A Case Study in Peano's Arithmetic <i>Hongbiao Gao and Jingde Cheng</i>
	A Predicate Suggestion Algorithm for Automated Theorem Finding with Forward Reasoning <i>Yuichi Goto, Hongbiao Gao and Jingde Cheng</i>
08:00 – 09:10 Tuesday 4 April 2017	MMAML: Multiple Model Approach to Machine Learning Chair: Prof. Bogdan Trawiński, Poland Location: Kuchinashi Room
	An Expert System to Assist with Early Detection of Schizophrenia <i>Sonya Rapinta Manalu, Bahtiar Saleh Abbas, Ford Lumban Gaol, Lukas Lukas and Bogdan Trawinski</i>

	<p>Is the Data-Driven Approach still Better than Random Choice with Naive Bayes Classifiers? <i>Piotr Szymański and Tomasz Kajdanowicz</i></p> <p>On quality assessment in Wikipedia articles based on Markov Random Fields <i>Rajmund Kleminski, Tomasz Kajdanowicz, Roman Bartusiak and Przemyslaw Kazienko</i></p> <p>Method for aspect-based sentiment annotation using rhetorical analysis <i>Lukasz Augustyniak, Krzysztof Rajda and Tomasz Kajdanowicz</i></p>
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08:00 – 09:10 Tuesday 4 April 2017	<p>ITiB-1: IT in Biomedicine-1 Chair: Prof. Ondrej Krejcar, Czech Republic Location: Kikyo Room</p>
	<p>Detection of Raynaud's Phenomenon by Thermographic Testing for Finger Thermoregulation <i>Orcan Alpar and Ondrej Krejcar</i></p> <p>Rough Hypercuboid and Modified Kulczynski Coefficient for Disease Gene Identification <i>Ekta Shah and Pradipta Maji</i></p> <p>PCA-SCG-ANN for Detection of Non-Structural Protein 1 from SERS Salivary Spectra <i>Yoot Khuan Lee, N. H. Othman, A. R. M. Radzol and W. Mansor</i></p> <p>The Use of Tuned Shape Window for the Improvement of Scars Imaging in Static Renal Scintigraphy in Children <i>Janusz Pawel Kowalski, Bozena Birkenfeld, Piotr Zorga, Jakub Peksinski and Grzegorz Mikolajczak</i></p>

Day 2. Tuesday, 4 April 2017	
Parallel Sessions 5	
9:10 – 10:30 Tuesday 4 April 2017	<p>ADS: Applications of Data Science Chair: Prof. Fulufhelo V. Nelwamondo, South Africa Location: Zuisyo Ball Room</p>
	<p>Exploring Spatial and Social Factors of Crime: A Case Study of Taipei City <i>Nathan Kuo, Chun-Ming Chang and Kuan-Ta Chen</i></p> <p>A Fuzzy Logic based Network Intrusion Detection System for Predicting the TCP SYN Flooding attack <i>Nenekazi Nokuthala Penelope Mkuangwe and Fulufhelo Vincent Nelwamondo</i></p>

	Analytical Ideas to Improve Daily Demand Forecasts: A Case Study <i>Sougata Deb</i> Increasing the detection of minority class instances in financial statement fraud <i>Stephen Moepya, Fulufhelo Nelwamondo and Bhekisipho Twala</i>
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9:10 – 10:30 Tuesday 4 April 2017	AIAE: Artificial Intelligence Applications for E-services Chair: Prof. Chen-Shu Wang, Prof. Deng-Yiv Chiu, Taiwan Location: Mokuren Room
	To solve the TDVRPTW via Hadoop MapReduce Parallel Computing <i>Bo-Yi Li and Chen-Shu Wang</i> MapReduce-Based Frequent Pattern Mining Framework with Multiple Item Support <i>Chen-Shu Wang, Shiang-Lin Lin and Jui-Yen Chang</i> Balanced k-Means <i>Chen-Ling Tai and Chen-Shu Wang</i> An Optimal Farmland Allocation E-Service Deployment <i>Wei-Feng Tung and Chun-Liang Pan</i>

9:10 – 10:30 Tuesday 4 April 2017	TPATIT 2017: Technological Perspective of Agile Transformation in IT organizations Chair: Prof. Cezary Orłowski, Poland Location: Kuchinashi Room
	Agents of RUP processes model for IT organizations readiness to agile transformation assessment <i>Włodzimierz Wysocki, Cezary Orłowski, Artur Ziółkowski and Grzegorz Bocewicz</i> Evaluation of readiness of IT organizations to agile transformation based on case-based reasoning <i>Miłosz Kurzawski, Tomasz Deręgowski, Cezary Orłowski and Artur Ziółkowski</i> Building dedicated project management process basing on historical experience <i>Tomasz Deręgowski, Miłosz Kurzawski, Cezary Orłowski and Artur Ziółkowski</i> Describing Criteria for Selecting a Scrum Tool Using the Technology Acceptance Model <i>Gerard Wagenaar, Sietse Overbeek and Remko Helms</i>

9:10 – 10:30 Tuesday 4 April 2017	SDABBI: Scalable Data Analysis in Bioinformatics and Biomedical Informatics Chair: Dr. Dariusz Mrozek, Poland Location: Kikyo Room
	Orchestrating task execution in Cloud4PSi for scalable processing of macromolecular data of 3D protein structures <i>Dariusz Mrozek and Bozena Malysiak-Mrozek</i>
	Scalability of a Genomic Data Analysis in the BioTest Platform <i>Krzysztof Psiuk-Maksymowicz, Dariusz Mrozek, Roman Jaksik, Damian Borys, Krzysztof Fajewicz and Andrzej Świerniak</i>
	Quantifying the effect of metapopulation size on the persistence of infectious diseases in a metapopulation <i>Cam-Giang Tran-Thi, Marc Choisy and Jean Daniel Zucker</i>
	On Velocity-Preserving Trajectory Simplification Large-scale data classification system based on Galaxy Server and protected from information leak <i>Krzysztof Fajewicz, Sebastian Student, Tomasz Zielański, Michał Jakubczak, Justyna Pieter, Katarzyna Pojda and Andrzej Świerniak</i>

Day 2. Tuesday, 4 April 2017	
Parallel Sessions 6	
15:30 – 16:30 Tuesday, 4 April 2017	SOC-2: Social Networks and Recommender Systems-2 Chair: Prof. Tetsuji Kuboyama, Japan Location: Zuisyo Ball Room
	Runtime Verification and Quality Assessment for Checking Agent Integrity in Social Commerce System <i>Najwa Abu Bakar, Mohd Hafiz Selamat and Ali Selamat</i>
	On Rumour Detection and its Experimental Verification on Twitter <i>Dariusz Krol and Karolina Wiśniewska</i>
	Level of education and previous experience in acquiring ICT/smart technologies by the elderly people <i>Ivana Simonova and Petra Poulouva</i>
15:30 – 16:30 Tuesday 4 April 2017	MIN-2: Machine Learning and Data Mining-2 Chair: Prof. Marzena Kryszkiewicz, Poland Location: Mokuren Room
	A method for early pruning a branch of candidates in the process of mining sequential patterns <i>Bac Le, Minh-Thai Tran and Anh-Duy Tran</i>

	<p>Mining Periodic High Utility Sequential Patterns <i>Tai Dinh, Van-Nam Huynh and Bac Le</i></p> <p>Mining Class Association Rules with Synthesis Constraints <i>Loan T.T. Nguyen, Bay Vo, Hung Son Nguyen and Sinh Hoa Nguyen</i></p>
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15:30 – 16:30 Tuesday 4 April 2017	<p>DEC-1: Decision Support & Control Systems -1 Chair: Prof. Hoai An Le Thi, France Location: Kuchinashi Room</p>
	<p>Defining Deviation Sub-spaces for the A*W Robust Planning Algorithm <i>Igor Wojnicki and Sebastian Ernst</i></p> <p>Failures in Discrete Event Systems and Dealing with Them by Means of Petri Nets <i>Frantisek Capkovic</i></p> <p>The Temporal Supplier Evaluation Model Based on Multicriteria Decision Analysis Methods <i>Jaroslav Wątróbski, Wojciech Sałabun and Grzegorz Ladorucki</i></p>

15:30 – 16:30 Tuesday 4 April 2017	<p>InBRAIN: Intelligent Algorithms and Brain Functions Chair: Prof. Andrzej Przybyszewski, Poland Location: Kikyo Room</p>
	<p>Neurofeedback System for Training Attentiveness <i>Yoot Khuan Lee, Emir Eiqam Hidzir and Muhd Redzuan Haron</i></p> <p>Building classifiers for Parkinson's disease using new Eye Tribe tracking method <i>Artur Szymanski, Stanislaw Szlufik, Dariusz M. Koziorowski and Andrzej W. Przybyszewski</i></p> <p>Rules found by multimodal learning in one group of patients help to determine optimal treatment to other group of Parkinson's patients <i>Andrzej Przybyszewski, Stanislaw Szlufik, Piotr Habela and Dariusz Koziorowski</i></p>

Day 2. Tuesday, 4 April 2017	
Parallel Sessions 7	
16:30 – 17:30 Tuesday 4 April 2017	<p>SOC-3: Social Networks and Recommender Systems-3 Chair: Prof. Halina Kwasnicka, Poland Location: Zuisyo Ball Room</p>
	<p>A power-graph analysis of non-fast information transmission <i>Jacek Mercik</i></p>

	<p>Group Recommendation Based on the Analysis of Group Influence and Review Content <i>Chin-Hui Lai and Pei-Ru Hong</i></p> <p>Mixture Seeding for Balanced Information Spreading Processes in Complex Networks <i>Jaroslav Jankowski</i></p>
16:30 – 17:30 Tuesday 4 April 2017	<p>MIN-3: Machine Learning and Data Mining-3 Chair: Prof. Mark Last, Israel Location: Mokuren Room</p>
	<p>A Novel Entropy-Based Approach to Feature Selection <i>Chia-Hao Tu and Chunshien Li</i></p> <p>Recognizing the Pattern of Binary Hermitian Matrices by a Quantum Circuit <i>Joanna Wiśniewska and Marek Sawerwain</i></p> <p>Fuzzy Maximal Frequent Itemset Mining Over Quantitative Databases <i>Haifeng Li</i></p>
16:30 – 17:30 Tuesday 4 April 2017	<p>DEC-2: Decision Support & Control Systems-2 Chair: Prof. Frantisek Capkovic, Slovakia Location: Kuchinashi Room</p>
	<p>Creative Expert System: Comparison of Proof Searching Strategies <i>Bartłomiej Sniezynski, Grzegorz Legien, Dorota Wilk-Kolodziejczyk, Stanisława Kluska-Nawarecka, Edward Nawarecki and Krzysztof Jaskowiec</i></p> <p>Spatial Planning as a Hexomino Puzzle <i>Marcin Cwiek and Jakub Nalepa</i></p> <p>Ramp loss support vector data description <i>Vo Xuanthanh, Tran Bach, Hoai An Le Thi and Tao Pham Dinh</i></p>
16:30 – 17:30 Tuesday 4 April 2017	<p>ADMTA-1: Advanced Data Mining Techniques and Applications-1 Chair: Prof. Tzung-Pei Hong, Taiwan Location: Kikyo Room</p>
	<p>Recognition of Empathy Seeking Questions in One of the Largest Woman CQA in Japan <i>Tatsuro Shimada and Akito Sakurai</i></p> <p>A High-Performance Algorithm for Mining Repeating Patterns <i>Ja-Hwung Su, Tzung-Pei Hong, Chu-Yu Chin, Zhi-Feng Liao and Shyr-Yuan Cheng</i></p>

	A Content-Based Image Retrieval Method Based on the Google Cloud Vision API <i>Shih-Hsin Chen and Yi-Hui Chen</i>
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Day 2. Tuesday, 4 April 2017	
Parallel Sessions 8	
17:30 – 18:30 Tuesday 4 April 2017	SOC-4: Social Networks and Recommender Systems-4 Chair: Prof. Jacek Mercik, Poland Location: Zuisyo Ball Room
	Evaluation of Tensor-Based Algorithms for Real-Time Bidding Optimization <i>Andrzej Szwaab, Pawel Misiorek and Michal Ciesielczyk</i>
	The effect of presentation in online advertising on perceived intrusiveness and annoyance in different emotional states <i>Kaveh Bakhtiyari, Jürgen Ziegler and Hafizah Husain</i>
	Topic Preference-Based Random Walk Approach for Link Prediction in Social Networks <i>Thiamthep Khamket, Arnon Rungsawang and Bundit Manaskasemsak</i>
17:30 – 18:30 Tuesday 4 April 2017	MIN-4: Machine Learning and Data Mining-4 Chair: Prof. Leszek Kotulski, Poland Location: Mokuren Room
	Unsupervised Language Model Adaptation by Data Selection for Speech Recognition <i>Yerbolat Khassanov, Tze Yuang Chong, Benjamin Bigot and Eng Siong Chng</i>
	A Novel Learning Vector Quantization Inference Classifier <i>Chakkraphop Maisen, Sansanee Auephanwiriyaikul and Nipon Theera-Umpon</i>
	Probabilistic Neural Network Inferences on Oligonucleotide Classification based on Oligo: Target Interaction <i>Anusha Abdul Rahiman and Vinodchandra S.</i>
17:30 – 18:30 Tuesday 4 April 2017	MDSIS: Mathematics of Decision Sciences and Information Science Chair: Prof. Takashi Matsuhisa, Japan Location: Kuchinashi Room
	A Ranking Procedure with the Shapley Value <i>Aleksei Kondratev and Vladimir Mazalov</i>
	Optimal design of robust combinatorial mechanisms for substitutable goods <i>Maciej Drwal</i>

	Communication and KP-Model <i>Takashi Matsuhisa</i>
17:30 – 18:30 Tuesday 4 April 2017	ADMTA-2: Advanced Data Mining Techniques and Applications-2 Chair: Prof. Ja-Hwung Su, Taiwan Location: Kikyo Room
	A Personalized Recommendation Method Considering Local and Global Influences <i>Rung-Ching Chen, Hendry Hong and Lijuan Liu</i>
	Virtual Balancing of Decision Classes <i>Marzena Kryszkiewicz</i>
	Evaluation of Speech Perturbation Features for Measuring Authenticity in Stress Expressions <i>Branimir Dropuljic, Leo Mrsic, Robert Kopal, Sandro Skansi and Adrijana Brkic</i>

Day 3. Wednesday, 5 April 2017	
Parallel Sessions 9	
08:00 – 09:00 Wednesday 5 April 2017	MAMLAKE: Modern Applications of Machine Learning for Actionable Knowledge Extraction Chair: Dr. Waseem Ahmad, New Zealand Location: Zuisyo Ball Room
	Traditional vs. Machine Learning Techniques: Customer Propensity <i>Mamta Rajnayak, Snigdha Moitra and Charu Nahata</i> Analytics on the impact of Leadership styles and leadership outcome <i>Waseem Ahmad and Akhtar Zaman</i> An investigation into the relationship of strategic planning practices and organizational performance using advanced data mining techniques <i>Uswa Zahra, Philip Bright and Waseem Ahmad</i>
08:00 – 09:00 Wednesday 5 April 2017	ITSC-1: Intelligent Technologies in the Smart Cities in the 21st Century-1 Chair: Prof. Cezary Orłowski, Poland Location: Mokuren Room
	Knowledge Representation Framework for Agent Based Economic Systems in Smart City Context <i>Martina Husáková and Petr Tucník</i> Comparative analysis of selected algorithms in the process of optimization of traffic lights <i>Krzysztof Małecki, Piotr Pietruszka and Stanisław Iwan</i> Enhancing Energy Efficiency of Adaptive Lighting Control <i>Leszek Kotulski, Adam Sędziwy and Artur Basiura</i>
08:00 – 09:00 Wednesday 5 April 2017	IVMLS-1: Analysis of Image, Video and Motion Data in Life Sciences-1 Chair: Dr. Marek Kulbacki, Poland Location: Kuchinashi Room
	Ethnicity Distinctiveness through Iris Texture Features using Gabor Filters <i>Gugulethu Mabuza-Hocquet and Fulufhelo Nelwamondo</i> A Bayesian Framework for Chemical Shift Assignment <i>Adam Gonczarek, Piotr Klukowski, Maciej Drwal and Paweł Świątek</i>

	Fast moving UAV collision avoidance using optical flow and stereovision <i>Damian Pęszor, Marzena Wojciechowska, Konrad Wojciechowski and Marcin Szender</i>
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08:00 – 09:00 Wednesday 5 April 2017	ICVSA-1: Intelligent Computer Vision Systems and Applications -1 Chair: Dr. Dariusz Frejlichowski, Poland Location: Kikyo Room
	A New Feature Extraction with Dorsal Hand Recognition using Chromatic Imaging <i>Orcan Alpar and Ondrej Krejcar</i> Improving Traffic Sign Recognition Using Low Dimensional Features <i>Laksono Kurnianggoro, Wahyono Wahyono and Kang-Hyun Jo</i> Vehicle Detection in Hsuehshan Tunnel Using Background Subtraction and Deep Belief Network <i>Bo-Jhen Huang, Jun-Wei Hsieh and Chun-Ming Tsai</i>

Day 3. Wednesday, 5 April 2017	
Parallel Sessions 8	
9:00 – 10:00 Wednesday 5 April 2017	CISTEF-1: Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-1 Chair: Dr. Kuo-Sui Lin, Taiwan Location: Zuisyo Ball Room
	Modeling a Decision Support System for Capital Budgeting Project Selection <i>Kuo-Sui Lin and Jui-Ching Pan</i> Innovative Diffusion Chance Discovery <i>Chao-Fu Hong and Mu-Hua Lin</i> Chance Discovery in a Group-Trading Model – Creating an Innovative Tour Package with Freshwater Fish Farms at Yilan <i>Pen-Choug Sun, Chao-Fu Hong, Tsu-Feng Kuo and Rahat Iqbal</i>
9:00 – 10:00 Wednesday 5 April 2017	ITSC-2: Intelligent Technologies in the Smart Cities in the 21st Century-2 Chair: Prof. Cezary Orłowski, Poland Location: Mokuren Room
	The principles of model building concepts which are applied to the design patterns for Smart Cities <i>Katarzyna Ossowska, Liliana Szewc and Cezary Orłowski</i>

	<p>Assessment and optimization of air monitoring network for Smart Cities with multicriteria decision analysis <i>Aleksander Orlowski, Mariusz Marc, Jacek Namiesnik and Marek Tobiszewski</i></p> <p>Assessment and optimization of air monitoring network for Smart Cities with multicriteria decision analysis. Urban air quality forecasting: a regression and a classification approach <i>Kostas Karatzas, Nikos Katsifarakis, Cezary Orlowski and Arkadiusz Sarzyński</i></p>
<p>9:00 – 10:00 Wednesday 5 April 2017</p>	<p>IVMLS-2: Analysis of Image, Video and Motion Data in Life Sciences-2 Chair: Dr. Marek Kulbacki, Poland Location: Kuchinashi Room</p>
	<p>Manifold methods for action recognition and object tracking <i>Agnieszka Michalczuk, Kamil Wereszczynski, Jakub Segen, Henryk Josinski, Konrad Wojciechowski, Artur Bąk, Sławomir Wojciechowski, Aldona Barbara Drabik and Marek Kulbacki</i></p> <p>Optical flow based face anonymization in video sequences <i>Kamil Wereszczynski, Agnieszka Michalczuk, Jakub Segen, Magdalena Tabaka, Artur Bąk, Jerzy Paweł Nowacki and Marek Kulbacki</i></p> <p>An Analysis of the Centre of Mass Behavior during Treadmill Walking <i>Henryk Josiński, Adam Świtoński, Agnieszka Michalczuk, Konrad Wojciechowski and Jerzy Paweł Nowacki</i></p>
<p>9:00 – 10:00 Wednesday 5 April 2017</p>	<p>ICVSA-2: Intelligent Computer Vision Systems and Applications -2 Chair: Dr. Dariusz Frejlichowski, Poland Location: Kikyo Room</p>
	<p>Moment Shape Descriptors Applied for Action Recognition in Video Sequences <i>Katarzyna Gościewska and Dariusz Frejlichowski</i></p> <p>Segment counting versus prime counting in the Ulam square <i>Leszek J Chmielewski, Arkadiusz Orłowski and Grzegorz Gawdzik</i></p> <p>Testing the limits of detection of the 'orange skin' defect in furniture elements with the HOG features <i>Leszek J Chmielewski, Arkadiusz Orłowski, Grzegorz Wiecek, Katarzyna Śmietarska and Jarosław Górski</i></p>

Day 3. Wednesday, 5 April 2017	
Parallel Sessions 8	
10:30 –11:30 Wednesday 5 April 2017	CISTEF-2: Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems-2 Chair: Dr. Kuo-Sui Lin, Taiwan Location: Zuisyo Ball Room
	Using Sentiment Analysis to Explore the Association between News and Housing Prices <i>Hsiao-Fang Yang and Dr. Jia Seng</i> Importance-Performance Analysis Based Evaluation Method for Security Incident Management Capability <i>Chih-Chung Chiu and Kuo-Sui Lin</i>
10:30 –11:30 Wednesday 5 April 2017	ITiB-2: IT in Biomedicine-2 Chair: Prof. Ondrej Krejcar, Czech Republic Location: Mokuren Room
	Prediction of Arterial Blood Gases Values in Premature Infants with Respiratory Disorders <i>Wiesław Wajs, Hubert Wojtowicz, Piotr Wais and Marcin Ochab</i> Extraction of Optical Disc Geometrical Parameters with Using of Active Snake Model with Gradient Directional Information <i>Jan Kubicek, Juraj Timkovic, Marek Penhaker, Martin Augustynek, Iveta Bryjova and Vladimir Kasik</i> Segmentation of Vascular Calcifications and Statistical Analysis of Calcium Score <i>Jan Kubicek, Iveta Bryjova, Jan Valošek, Marek Penhaker, Martin Augustynek, Martin Cerny and Vladimir Kasik</i>
10:30 –11:30 Wednesday 5 April 2017	IVMLS-3: Analysis of Image, Video and Motion Data in Life Sciences-3 Chair: Dr. Marek Kulbacki, Poland Location: Kuchinashi Room
	Interfered Seals and Handwritten Characters Removal for Prescription Images <i>Wen-Hong Zhang, Teng-Hui Tseng and Chun-Ming Tsai</i> Diminishing Variant Illumination Factor in Object Recognition <i>Ardian Yunanto and Iman Herwidiana Kartowisastro</i> Towards the Notion of Average Trajectory of the Repeating Motion of Human Limbs <i>Sven Nõmm, Aaro Toomela and Ilia Gaichenja</i>

	<p>Neuromuscular Fatigue Analysis of Soldiers using DWT based EMG and EEG Data Fusion during Load Carriage <i>Dk Nurhayatul Filzah Pg Damit, S. M. N. Arosha Senanayake, Owais Ahmed Malik and Nor Jaidi Tuah</i></p>
<p>10:30 –11:30 Wednesday 5 April 2017</p>	<p>ICVSA-3: Intelligent Computer Vision Systems and Applications -3 Chair: Dr. Dariusz Frejlichowski, Poland Location: Kikyo Room</p>
	<p>Automatic Detection of Singular Points in Fingerprint Images using Convolution Neural Networks <i>Hong-Hai Le, Ngoc-Hoa Nguyen and Tri Thanh Nguyen</i></p> <p>Image Processing Approach to Diagnose Eye Diseases <i>Prashasthi M, Shravya K. S., Ankit Deepak, Manjunath Mulimani and Shashidhar G. Koolagudi</i></p> <p>Weakly-labelled Semantic Segmentation of Fish Objects in Underwater Videos using a Deep Residual Network <i>Alfonso Labao and Prospero Naval</i></p>

	<p align="center">ACIIDS 2017, Kanazawa, Japan 3-5 April 2017 Poster Sessions</p>
<p align="center">Day 1. Monday, 3 April 2017</p>	
<p align="center">Poster Session-1</p>	
<p>13:00 – 14:00</p>	<p>Poster Session 1 Chairs: Prof. Kiyoaki Shirai, Japan and Dr. Dariusz Król, Poland Location: Zuisyo Ball Room</p>
	<p>Poster 1 Analyzing Accident Prone Regions by Clustering <i>Shuvashish Paul, Ashik Mostafa Alvi, Mahmudul Alam Nirjhor, Shohanur Rahman, Adeeba Kashfee Orcho and Mohammad Rashedur Rahman</i></p> <p>Poster 2 Analyzing Life Insurance Data with Different Classification Techniques for Customers' Behavior Analysis <i>Md. Saidur Rahman, Kazi Zawad Arefin, Saqif Masud, Shahida Sultana and Mohammad Rashedur Rahman</i></p> <p>Poster 3 Classification of Product Rating Using Data Mining Techniques <i>Pinku Deb Nath, Sowvik Kanti Das, Fabiha Nazmi Islam, Kifayat Tahmid, Raufir Ahmed Shanto and Mohammad Rashedur Rahman</i></p> <p>Poster 4 MASS: a Semi-Supervised Multi-Label Classification Algorithm with Specific Features <i>Thi-Ngan Pham, Van-Quang Nguyen, Duc-Trong Dinh, Tri Thanh Nguyen and Quang-Thuy Ha</i></p> <p>Poster 5 Parallel Self-organizing Map Using Shared Virtual Memory Buffers <i>Noor Elaiza Abdul Khalid, Muhammad Firdaus Mustapha, Azlan Ismail and Mazani Manaf</i></p> <p>Poster 6 Prediction of Academic Performance During Adolescence Based on Socioeconomic, Psychological and Academic Factors <i>A.T.M Shakil Ahamed, Navid Tanzeem Mahmood and Mohammad Rashedur Rahman</i></p> <p>Poster 7 A Super-Vector Deep Learning Coprocessor with High Performance-Power Ratio <i>Jingfei Jiang, Zhiqiang Liu, Jinwei Xu and Rongdong Hu</i></p>

	<p>Poster 8 Bi-temporal Database Model for Legal Merger Transactions and Late-arriving Information Problem: the Case of Polish Merger Market <i>Aleksander Buczek and Jacek Mercik</i></p> <p>Poster 9 Breathing Movement Analysis for Adjustment of Radiotherapy Planning <i>Marek Penhaker, Marketa Novakova, Jakub Knybel, Jan Kubicek, Jan Grepl, Vladimir Kasik and Tomas Zapletal</i></p> <p>Poster 10 Measuring Improvement in Access to Complete Data in Healthcare Collaborative Database Systems <i>Nurul Emran, Fathin N. M. Leza and Noraswaliza Abdullah</i></p> <p>Poster 11 Rough Set Theory for Supporting Decision Making on Relevance in Browsing Multilingual Digital Resources <i>Jolanta Mizera-Pietraszko and Jolanta Tancula</i></p> <p>Poster 12 The Social Influence on the Behavioral Intention to Use Mobile Electronic Medical Records <i>Yi-Horng Lai</i></p> <p>Poster 13 Stock Prices Growth Pattern by the Emergency Demand After the Great East-Japan Earthquake <i>Kenji Yamaguchi, Yuriko Yano and Yukari Shirota</i></p> <p>Poster 14 Structure-Based Virtual Screening for Novel Modulators of Human Orexin 2 Receptor with Cloud Systems and Supercomputers <i>Rafael Dolezal, Eugenie Nepovimova, Michaela Melikova and Kamil Kuca</i></p> <p>Poster 15 Combination of Collision Detection and Visibility Algorithms in Simulation of Effective Anti-Air Elements Placement <i>Dalibor Cimr, Richard Cimler and Hana Tomášková</i></p> <p>Poster 16 A Combination of Deep Learning and Hand-Designed Feature for Plant Identification based on Leaf and Flower Images <i>Thi Thanh-Nhan Nguyen, Thi-Lan Le, Hai Vu, Huy-Hoang Nguyen and Van-Sam Hoang</i></p>
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	<p>Poster 17 An Efficient Defect Classification Algorithm for Ceramic Tiles Khaled Ragab and Nhed Alsharay</p> <p>Poster 18 Parking Assistant - Prediction of an Empty Parking Space in Time Jan Dvorak and Ondrej Krejcar</p> <p>Poster 19 Recent Advances in the Field of Foreground Detection: An Overview Ajmal Shahbaz, Laksono Kurnianguro, Wahyono Wahyono and Kang-Hyun Jo</p> <p>Poster 20 Responsive Data Table Solution with New Scrolling Control Gesture for Better User Experience Lukáš Čegan</p> <p>Poster 21 Tracking of Bone Reparation Process with Using of Periosteal Callus Extraction based on Fuzzy C-Means Algorithm Jan Kubicek, Marek Penhaker, Iveta Bryjova, Martin Augustynek, Tomas Zapletal and Vladimir Kasik</p> <p>Poster 22 Supply Chains of Cross-Border e-Commerce Arkadiusz Kawa</p> <p>Poster 23 Towards a Personalized Virtual Customer Experience Bartłomiej Pierański and Sergiusz Strykowski</p> <p>Poster 24 Towards Big Management Marcin Hernes and Andrzej Bytniewski</p>
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Day 2. Tuesday, 4 April 2017	
Poster Session-2	
13:00 – 14:00	Poster Session 2 Chairs: Prof. Kiyoaki Shirai, Japan and Dr. Dariusz Król, Poland Location: Zuisyo Ball Room
	<p>Poster 25 Automatic Post-Editing of Kazakh Sentences Machine Translated from English <i>Assem Abeustanova, Assem Abeustanova and Ualsher Tukeyev</i></p> <p>Poster 26 Complex Technology of Machine Translation Resources Extension for the Kazakh Language <i>Diana Rakhimova and Zhandos Zhumanov</i></p> <p>Poster 27 Enhancing Latent Semantic Analysis by Embedding Tagging Algorithm in Retrieving Malay Text Documents <i>Nurazzah Abd Rahman, Afiqah Bazlla Md Soom and Normaly Kamal Ismail</i></p> <p>Poster 28 Exploiting Distance Graph and Hidden Topic Models for Multi-label Text Classification <i>Thi-Ngan Pham, Van-Hien Tran, Tri-Thanh Nguyen and Quang-Thuy Ha</i></p> <p>Poster 29 Financial Reports and Financial News - An Information Content Gap Analysis <i>Dr. Jia Seng, Kuan-Ying Huang and Dr. Hsiao-Fang Yang</i></p> <p>Poster 30 The Great National Photocorpus of 20th-Century Vietnamese. Origins, assumptions and goals <i>Piotr Wierchoń</i></p> <p>Poster 31 The Impact of User Sentiment Aroused by The-day-of-the-week on the Recommendation Effectiveness in Microblog <i>Shih Yun Weng, Ping Yu Hsu, Ming-Shien Cheng and Phan-Anh-Huy Nguyen</i></p> <p>Poster 32 Checking Compliance of Program with SecureUML Model <i>Thanh-Nhan Luong, Van-Khanh To and Ninh-Thuan Truong</i></p>

	<p>Poster 33 A Performance Comparison of Feature Extraction Methods for Sentiment Analysis <i>Po Hung Lai and Rayner Alfred</i></p> <p>Poster 34 A Study of Plagiarism Checker System Based on Chinese Word Segmentation and SQL Intersection Operation Technique <i>Ming-Hsiung Ying, Jui-Wen Fan and Hsiu-Min Yu</i></p> <p>Poster 35 Text Summarization Based on Classification Using ANFIS <i>Yogan Jaya Kumar, Jia Kang Fong, Ong Sing Goh and Atif Khan</i></p> <p>Poster 36 Analysis of Indoor Positioning Based on BLE <i>Wenjun Zhu, Shinheon Kim, Jaemin Hong and Chonggun Kim</i></p> <p>Poster 37 A Fusion Technique of Schema and Syntax Rules for Validating Open Data <i>Shinya Yamaguchi and Kimio Kuramitsu</i></p> <p>Poster 38 Job Description Language for a Browser-Based Computing Platform --- A Preliminary Report <i>Arkadiusz Danilecki, Tomasz Fabisiak and Maciej Kaszubowski</i></p> <p>Poster 39 Measuring the Effectiveness of Knowledge Driven Web Applications <i>Supriya Chakraborty, Novarun Deb and Nabendu Chaki</i></p> <p>Poster 40 Adaptation of an ANN-Based Air Quality Forecasting Model to a New Application Area <i>Cezary Orłowski, Arkadiusz Sarzyński, Kostas Karatzas, Nikos Katsifarakis and Joanicjusz Nazarko</i></p> <p>Poster 41 Multi-Sentence Compression Using Word Graph and Integer Linear Programming <i>Dung Tran Tuan, Nam Van Chi and Minh-Quoc Nghiem</i></p> <p>Poster 42 Generation of Test Data using Genetic Algorithm and Constraint Solver <i>Ngoc-Thi Dinh, Hieu-Dinh Vo, Thi Dao Vu and Viet-Ha Nguyen</i></p>
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	<p>Poster 43 Investigating the Issues of using Agile Methods in Offshore Software Development in Sri Lanka <i>Nipunika Vithana, David Asirvatham and M. Gapar. M. Johar</i></p> <p>Poster 44 A Method for Automated Test Cases Generation from UML Models with String Constraints <i>Thi Dao Vu, Pham Ngoc Hung and Viet Ha Nguyen</i></p> <p>Poster 45 Mobile Application for Calculation of Optimal Route Between Searched Points of Interest <i>Jan Dvorak and Ondrej Krejcar</i></p> <p>Poster 46 On Implementation of the Assumption Generation Method for Component-Based Software Verification <i>Chi Luan Le, Hoang-Viet Tran and Pham Ngoc Hung</i></p> <p>Poster 47 Parametric Optimization of the Selected Classifiers in Binary Classification <i>Daniel Kostrzewa and Robert Brzeski</i></p>
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