



ACIIDS 2018, Dong Hoi, Vietnam
19-21 March 2018

Conference Program at a Glance

Day
1

Day 1. Monday, 19 March 2018

7:00 – 8:00	Registration Location: Foyer of Phong Dang Room (3rd floor)			
Parallel Sessions 1				
8:00 – 9:00	Phong Dang Room (3rd floor) SOC-1 Social Networks and Recommender Systems-1 Chair: Prof. Kazuhiro Kuwabara, Japan	Phong Loc Room (3rd floor) DSMKR-1 Data Structures Modelling for Knowledge Representation-1 Chair: Prof. Suphamit Chittayasothorn, Thailand	VIP room (2nd floor) MIN-1 Machine Learning and Data Mining-1 Chair: Prof. Prospero Naval, Phillipines	Business Center (1st floor) ICxS-1 Intelligent and Contextual Systems-1 Chair: Prof. Keun Ho Ryu, South Korea, Dr. Maciej Huk, Poland
09:00 – 09:30	Transfer from Hotel to Quang Binh University (by buses)			
09:30 – 10:15	Opening Ceremony Chair: Prof. Duong Hung Hoang, Vietnam Location: Quang Binh University			
10:15 – 10:25	Group Photo Location: Quang Binh University			
10:25 – 10:45	Coffee break Location: Quang Binh University			
10:45 – 11:45	Keynote Lecture 1 Speaker: Professor Thomas Bäck, The Netherlands Topic: <i>Data-Driven Machine Learning and Optimization for Industry</i> Chair: Prof. Ngoc Thanh Nguyen, Poland Location: Quang Binh University			
11:45 – 12:15	Transfer from Quang Binh University to Hotel (by buses)			
12:15 – 13:15	Lunch Location: Tien Son Restaurant (2nd floor)			
13:15 – 14:00	Poster Session 1 Chairs: Prof. Manuel Núñez, Spain and Dr. Andrzej Siemiński, Poland Location: Phong Dang Room (3rd floor)			
14:00 – 15:00	Keynote Lecture 2 Speaker: Professor Lipo Wang, Singapore Topic: <i>Data Analytics Using Intelligent Techniques Inspired from Nature</i> Chair: Prof. Tzung-Pei Hong, Taiwan Location: Phong Dang Room (3rd floor)			
15:00 – 15:30	Coffee break Location: Foyer of Phong Dang Room (3rd floor)			
Parallel Sessions 2				
15:30 – 16:50	Phong Dang Room (3rd floor) TXT-1 Text Processing and Information Retrieval-1 Chair: Prof. Ualsher Tukeyev, Kazakhstan	Phong Loc Room (3rd floor) KNO-1 Knowledge Engineering and Semantic Web Chair: Prof. Yuichi Goto, Japan	VIP room (2nd floor) ADTMA-1 Advanced Data Mining Techniques and Applications -1 Chair: Prof. Bay Vo, Vietnam	Business Center (1st floor) DEC-1 Decision Support Systems-1 Prof. Leon Bobrowski, Poland
17:30 – 18:00	Transfer from Hotel to Quang Binh University (by buses)			
18:00 – 21:00	Welcome Reception Location: Quang Binh University			
21:00 – 21:30	Transfer from Quang Binh University to Hotel (by buses)			



ACIIDS 2018, Dong Hoi, Vietnam
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Conference Program at a Glance

Day
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Day 2. Tuesday, 20 March 2018

Parallel Sessions 3

08:00 – 09:20	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
	TXT-2 Text Processing and Information Retrieval-2 Chair: Prof. Phuc Do, Vietnam	DSMKR-2 Data Structures Modelling for Knowledge Representation-2 Chair: Prof. Motomichi Toyama, Japan	MMAML Multiple Model Approach to Machine Learning Chair: Prof. Urszula Boryczka, Poland	ISAIS Intelligent Systems and Algorithms in Information Sciences Chair: Prof. Eva Volná, Czech Republic

Parallel Sessions 4

09:20 – 11:00	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
	CVR Computer Vision and Robotics Chair: Dr. Van-Dung Hoang, Vietnam	ICVSA Intelligent Computer Vision Systems and Applications. Chair: Prof. Dariusz Frejlichowski, Poland	IoT&DAT Intelligent Applications of Internet of Thing and Data Analysis Technologies Chair: Dr. Chuan-Bi Lin, Taiwan	IVMLS Analysis of Image, Video and Motion Data in Life Sciences Chair: Prof. Konrad Wojciechowski, Poland

11:00 – 11:30 **Coffee break**
Location: Foyer of Phong Dang Room (3rd floor)

11:30 – 12:30 **Keynote Lecture 3**
Speaker: Professor Satoshi Tojo
Topic: *The Linguistic Model of Music*
Chair: Prof. Dosam Hwang, South Korea
Location: Phong Dang Room (3rd floor)

12:30 – 13:30 **Lunch**
Location: Tien Son Restaurant (2nd floor)

13:30 – 14:15 **Poster Session 2**
Chairs: Prof. Manuel Núñez, Spain and Dr. Andrzej Siemiński, Poland
Location: Phong Dang Room (3rd floor)

14:15 – 15:15 **Keynote Lecture 4**
Speaker: Professor Nguyen Huu Duc, Vietnam
Topic: *Approaching to a Global Bibliometric Database*
Chair: Prof. Ali Selamat, Malaysia
Location: Phong Dang Room (3rd floor)

15:15 – 15:45 **Coffee break**
Location: Foyer of Phong Dang Room (3rd floor)

Parallel Sessions 5

15:45 – 16:45	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
	2DT-PBL Design Thinking Based R&D, Development Technique, and Project Based Learning Chair: Prof. Takuya Fujihashi, Japan	InBinBRAIN Intelligent Biomarkers of Neurodegenerative Processes in Brain Chair: Prof. Andrzej Przybyszewski, Poland	MIN-2 Machine Learning and Data Mining-2 Chair: Prof. Marzena Kryszkiewicz, Poland	IIS-1 Intelligent Information Systems-1 Chair: Dr. Ford Lumban Gaol, Indonesia

Parallel Sessions 6

16:45 – 17:45	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
	SOC-2 Social Networks and Recommender Systems-2 Chair: Dr. Henry Nguyen, Australia	DEC-2 Decision Support Systems-2 Chair: Prof. Lionel Amodeo, France	ADTMA-2 Advanced Data Mining Techniques and Applications -2 Chair: Prof. Chun-Hao Chen, Taiwan	ICxS-2 Intelligent and Contextual Systems-2 Chair: Prof. Keun Ho Ryu, South Korea, Dr. Maciej Huk, Poland

18:30-21:30 **Banquet Dinner**
Location: Tien Son Restaurant (2nd floor)



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Conference Program at a Glance

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Day 3. Wednesday, 21 March 2018

Parallel Sessions 7

	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
08:00 – 09:20	VIS Computer Vision Techniques Chair: Prof. Kazimierz Choroś, Poland	KNO-2 Knowledge Engineering and Semantic Web-2 Chair: Prof. Ja-Hwung Su, Taiwan	MSQGD Modelling, Storing, and Querying of Graph Data Chair: Prof. Jaroslav Pokorný, Czech Republic	ISaMiB-1 Intelligent Systems and Methods in Biomedicine-1 Chair: Prof. Ondrej Krejcar

Parallel Sessions 8

	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
09:20 – 10:40	ISOLIA-1 Intelligent Systems for Optimization of Logistics and Industrial Applications-1 Chair: Prof. Farouk Yalaoui, France	CIV Computational Imaging and Vision Chair: Dr. Manish Khare, India	MIN-3 Machine Learning and Data Mining-3 Chair: Prof. Kouichi Hirata, Japan	ISaMiB-2 Intelligent Systems and Methods in Biomedicine-2 Chair: Prof. Ondrej Krejcar

10:40 – 11:00

Coffee break
Location: Foyer of Phong Dang Room (3rd floor)

Parallel Sessions 9

	Phong Dang Room (3rd floor)	Phong Loc Room (3rd floor)	VIP room (2nd floor)	Business Center (1st floor)
11:00 – 12:00	ISOLIA-2 Intelligent Systems for Optimization of Logistics and Industrial Applications-2 Chair: Prof. Farouk Yalaoui, France	IoT Sensor Networks and Internet of Things Chair: Prof. ChongGun Kim, South Korea	DEC-3 Decision Support Systems-3 Chair: Prof. Zbigniew Malara, Poland	IIS-2 Intelligent Information Systems-2 Chair: Prof. Doina Logofatu, Germany

12:00 – 13:00

Lunch
Location: Tien Son Restaurant (2nd floor)

13:00 – 14:00

Panel Discussion
Topic: Current Trends in Intelligent and Database Systems
Chair: Prof. Ngoc Thanh Nguyen, Poland and Prof. Le Minh Nguyen, Japan
Location: Phong Dang Room (3rd floor)

14:00 – 14:30

Closing Ceremony
(including best paper, best student paper, best poster, and best special session award ceremony)
Location: Phong Dang Room (3rd floor)

14:30 – 15:00

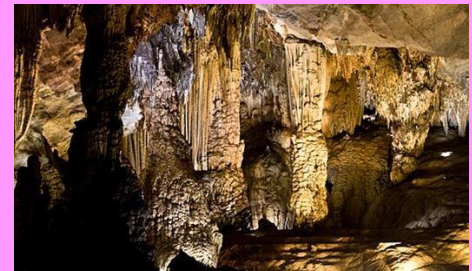
Coffee break
Location: Foyer of Phong Dang Room (3rd floor)

8:00 – 14:00

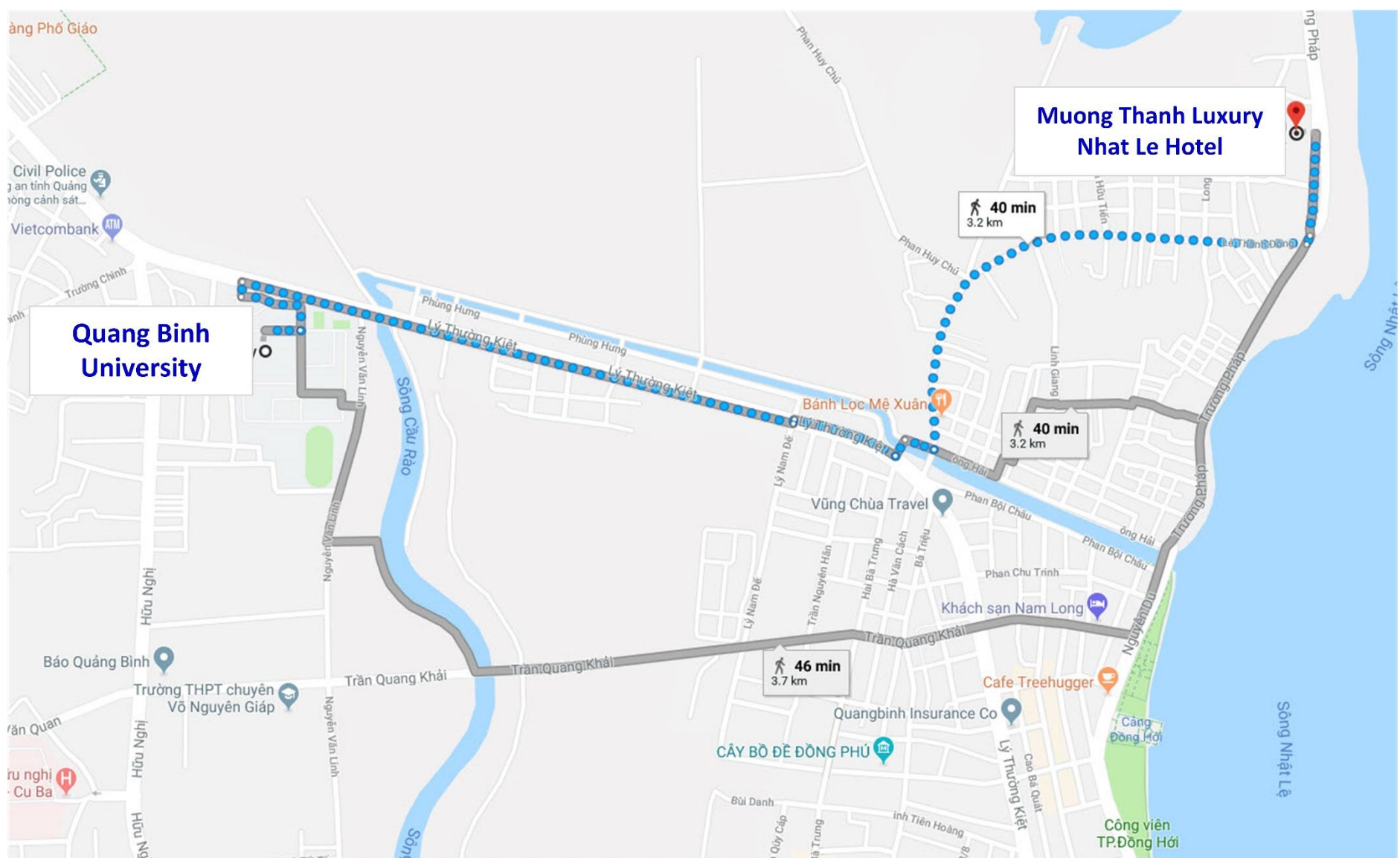
Sightseeing excursion to Thiên Đường Cave (Paradise Cave)

Free for conference participants

Organized by: Quang Binh University



Conference Venues



Muong Thanh Luxury Nhat Le Hotel 5*

121 Truong Phap Street

Dong Hoi City

Tel. 0084.232.3779888

<http://luxurnhatle.muongthanh.com/en/home.html>

Quang Binh University

312 Ly Truong Kiet Street

Dong Hoi City

Tel. 0084.052.3822010

<http://www.quangbinhuni.edu.vn/Dai-Hoc-Quang-Binh/PortalE>



ACIIDS 2018, Dong Hoi, Vietnam
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Parallel Thematic Sessions

Day
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Day 1. Monday, 19 March 2018

Parallel Sessions 1 (8:00 – 9:00)

8:00 – 9:00 Monday 19 March 2018	SOC-1: Social Networks and Recommender Systems-1 Chair: Prof. Kazuhiro Kuwabara, Japan Location: Phong Dang Room (3rd floor)
	Differential Information Diffusion Model in Social Network <i>Hong T. Tu and Khu P. Nguyen</i>
	Competitive Information Diffusion Model in Social Network with Negative Information Propagation <i>Hong T. Tu and Khu P. Nguyen</i>
	Conversation Strategy of a Chatbot for Interactive Recommendations <i>Yuichiro Ikemoto, Varit Asawavetvutt, Kazuhiro Kuwabara and Hung-Hsuan Huang</i>
8:00 – 9:00 Monday 19 March 2018	DSMKR-1: Data Structures Modelling for Knowledge Representation-1 Chair: Prof. Suphamit Chittayasothorn, Thailand Location: Phong Loc Room (3rd floor)
	A Survey of Spatio-Temporal Database Research <i>Neelabh Pant, Mohammadhani Fouladgar, Ramez Elmasri and Kulsawasd Jitkajornwanich</i>
	Integration of Relational and NoSQL Databases <i>Jaroslav Pokorný</i>
	Generating Arbitrary Cross Table Layout in SuperSQL <i>Atsutomo Tabata, Kento Goto and Motomichi Toyama</i>
8:00 – 9:00 Monday 19 March 2018	MIN-1: Machine Learning and Data Mining-1 Chair: Prof. Prospero Naval, Philippines Location: VIP room (2nd floor)
	Decision Tree Using Local Support Vector Regression for Large Datasets <i>Minh-Thu Tran-Nguyen, Le-Diem Bui, Yong-Gi Kim and Thanh-Nghi Do</i>
	Classification of Bird Sounds using Codebook Features <i>Alfonso Labao, Mark Clutario and Prospero Naval</i>
	Low-Feature Extraction for Multi-label Patterns Analyzing in Complex Time Series Mining <i>Ngoc Anh Thi Nguyen, Trung Hung Vo, Sun-Hee Kim, Tran Quoc Vinh Nguyen, A-Ran Oh and Hyung-Jeong Yang</i>
8:00 – 9:00 Monday 19 March 2018	ICxS-1: Intelligent and Contextual Systems-1 Chair: Prof. Keun Ho Ryu, South Korea, Dr. Maciej Huk, Poland Location: Business Center (1st floor)
	An Approach to Representing Traffic State on Urban Roads Used by Various Types of Vehicles <i>Tha Thi Bui, Trung Vinh Tran, Linh Hong Thi Le, Ha Hong Thi Duong and Phuoc Vinh Tran</i>
	Implementing Contextual Neural Networks in Distributed Machine Learning Framework <i>Bartosz Janusz and Krzysztof Wołk</i>
	Weights Ordering During Training of Contextual Neural Networks with Generalized Error Backpropagation: Importance and Selection of Sorting Algorithms <i>Maciej Huk</i>



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Parallel Thematic Sessions

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Day 1. Monday, 19 March 2018	
Parallel Sessions 2 (15:30 – 16:50)	
15:30 – 16:50 Monday 19 March 2018	TXT-1: Text Processing and Information Retrieval-1 Chair: Prof. Ualsher Tukeyev, Kazakhstan Location: Phong Dang Room (3rd floor)
	An English-Vietnamese Translation System Using Artificial Intelligence Approach <i>Nguyen Van Binh and Huynh Cong Phap</i> A Fast Algorithm for Posterior Inference with Latent Dirichlet Allocation <i>Bui Thi-Thanh-Xuan, Vu Van-Tu, Atsuhiko Takasu and Khoat Than</i> Aspect-Based Sentiment Analysis of Vietnamese Texts with Deep Learning <i>Long Mai and Bac Le</i> Using the Reddit Corpus for Cyberbully Detection <i>Tazeek Bin Abdur Rakib and Lay-Ki Soon</i>
15:30 – 16:50 Monday 19 March 2018	KNO-1: Knowledge Engineering and Semantic Web Chair: Prof. Yuichi Goto, Japan Location: Phong Loc Room (3rd floor)
	Solving Inconsistencies in Probabilistic Knowledge Bases via Inconsistency Measures <i>Van Tham Nguyen and Trong Hieu Tran</i> Design Pattern Ranking Based on the Design Pattern Intent Ontology <i>Channa Bou, Nasith Laosen and Ekawit Nantajeewarawat</i> Solving Query-Answering Problems with Constraints for Function Variables <i>Kiyoshi Akama and Ekawit Nantajeewarawat</i> A Methodical Aspects of Knowledge Management in a Contemporary Company <i>Maciej Malara and Zbigniew Malara</i>
15:30 – 16:50 Monday 19 March 2018	ADTMA-1: Advanced Data Mining Techniques and Applications-1 Chair: Prof. Bay Vo, Vietnam Location: VIP room (2nd floor)
	An Approach for Diverse Group Stock Portfolio Optimization Using the Fuzzy Grouping Genetic Algorithm <i>Chun-Hao Chen, Bing-Yang Chiang, Tzung-Pei Hong, Ding-Chau Wang and Jerry Chun-Wei Lin</i> Representative Rule Templates for Association Rules Satisfying Multiple Canonical Evaluation Criteria <i>Marzena Kryszkiewicz</i> W-PathSim: Novel Approach of Weighted Similarity Measure in Content-Based Heterogeneous Information Networks by Applying LDA Topic Modeling <i>Phu Pham, Phuc Do and Chien D.C. Ta</i> An Automated Deployment Scheme with Script-based Development for Cloud Manufacturing Platforms <i>Jhang-Jhan Huang, Chao-Chun Chen, Zhong-Hui Lin, Mao-Yuan Pai and Gen-Ming Guo</i>

<p>15:30 – 16:50 Monday 19 March 2018</p>	<p>DEC-1: Decision Support Systems-1 Chair: Prof. Leon Bobrowski, Poland Location: Business Center (1st floor)</p>
	<p>The adaptation of the Harmony Search algorithm to the ATSP <i>Urszula Boryczka and Krzysztof Szwarc</i></p> <p>Algorithms for Solving the Vehicle Routing Problem with Drones <i>Daniel Schermer, Mahdi Moeini and Oliver Wendt</i></p> <p>A Local Search Heuristic for Solving the Maximum Dispersion Problem <i>Mahdi Moeini, David Goerzen and Oliver Wendt</i></p> <p>A Constraint-Based Framework for Scheduling Problems <i>Jarostaw Wikarek, Paweł Sitek and Tadeusz Stefański</i></p>



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Parallel Thematic Sessions

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Day 2. Tuesday, 20 March 2018

Parallel Sessions 3 (08:00 – 09:20)

08:00 – 09:20 Tuesday 20 March 2018	TXT-2: Text Processing and Information Retrieval-2 Chair: Prof. Phuc Do, Vietnam Location: Phong Dang Room (3rd floor)
	A Positive-Unlabeled Learning Model for Extending a Vietnamese Petroleum Dictionary based on Vietnamese Wikipedia Data <i>Ngoc-Trinh Vu, Quoc-Dat Nguyen, Tien-Dat Nguyen, Manh-Cuong Nguyen, Van-Vuong Vu and Quang-Thuy Ha</i>
	A New Lifelong Topic Modeling Method and Its Application to Vietnamese Text Multi-label Classification <i>Quang-Thuy Ha, Thi-Ngan Pham, Van-Quang Nguyen, Thi-Cham Nguyen, Thi-Hong Vuong, Minh-Tuoi Tran and Tri-Thanh Nguyen</i>
	Practice of Word Sense Disambiguation Andrzej Siemiński
	Most Frequent Errors in Digitization of Polish Ancient Manuscripts <i>Kazimierz Choroś and Joanna Jarosz</i>
08:00 – 09:20 Tuesday 20 March 2018	DSMKR-2: Data Structures Modelling for Knowledge Representation-2 Chair: Prof. Motomichi Toyama, Japan Location: Phong Loc Room (3rd floor)
	Deep learning based approach for entity resolution in databases <i>Nihel Kooli, Robin Allesiaro and Erwan Pigneul</i>
	Towards Association Oriented Model of Lexical Base for Semantic Knowledge Base <i>Krystian Wojtkiewicz, Marcin Jodłowiec and Waldemar Pokuta</i>
	Complex Relationships Modeling in Association-Oriented Database Metamodel <i>Marcin Jodłowiec</i>
	AODB and CDMM Modeling - Comparative Case-Study <i>Marek Krótkiewicz and Piotr Zabawa</i>

<p>08:00 – 09:20 Tuesday 20 March 2018</p>	<p>MMAML: Multiple Model Approach to Machine Learning Chair: Prof. Urszula Boryczka, Poland Location: VIP room (2nd floor)</p>
	<p>Depth learning with Convolutional Neural Network for Leaves Classifier Based on Shape of Leaf Vein <i>Nguyen Thanh Tan Kiet, Truong Quoc Bao, Truong Quoc Dinh and Hiep Huynh Xuan</i></p> <p>A Weighted Object-Cluster Association-Based Ensemble Method for Clustering Undergraduate Students <i>Chau Thi Ngoc Vo and Phung Hua Nguyen</i></p> <p>An Ensemble System with Random Projection and Dynamic Ensemble Selection <i>Manh Truong Dang, Anh Vu Luong, Tuyet-Trinh Vu, Quoc Viet Hung Nguyen, Tien Thanh Nguyen and Bela Stantic</i></p> <p>Automatic Image Region Annotation by Genetic Algorithm-Based Joint Classifier and Feature Selection in Ensemble System <i>Anh Vu Luong, Tien Thanh Nguyen, Xuan Cuong Pham, Thi Thu Thuy Nguyen, Alan Wee-Chung Liew and Bela Stantic</i></p>
<p>08:00 – 09:20 Tuesday 20 March 2018</p>	<p>ISAIS: Intelligent Systems and Algorithms in Information Sciences Chair: Prof. Eva Volná, Czech Republic Location: Business Center (1st floor)</p>
	<p>Solution of Dual Fuzzy Equations Using a New Iterative Method <i>Sina Razvarz, Raheleh Jafari, Ole-Christoffer Granmo and Alexander Gegov</i></p> <p>Transformation of Extended Entity Relationship Model into Ontology <i>Zdenka Telnarova</i></p> <p>Ontology Languages for Semantic Web from a Bit Higher Level of Generality <i>Martin Žáček, Alena Lukasová and Marek Vajgl</i></p> <p>Pathfinding in a Dynamically Changing Environment <i>Eva Volná and Martin Kotyrba</i></p>

Day 2. Tuesday, 20 March 2018

Parallel Sessions 4 (09:20 – 11:00)

09:20 – 11:00 Tuesday 20 March 2018	<p>CVR: Computer Vision and Robotics Chair: Dr. Van-Dung Hoang, Vietnam Location: Phong Dang Room (3rd floor)</p>
	<p>Speed-Up 3D Human Pose Estimation Task Using Sub-Spacing Approach <i>Van-Thanh Hoang and Kang-Hyun Jo</i></p> <p>Stationary Object Detection for Vision-Based Smart Monitoring System <i>Wahyono, Reza Pulungan and Kang-Hyun Jo</i></p> <p>CNN-Based Character Recognition for License Plate Recognition System <i>Van Huy Pham, Phong Quang Dinh and Van Huan Nguyen</i></p> <p>Pedestrian Action Prediction Based on Deep Features Extraction of Human Posture and Traffic Scene <i>Diem-Phuc Tran, Nguyen Gia Nhu and Van-Dung Hoang</i></p> <p>Deep CNN and Data Augmentation for Skin Lesion Classification <i>Tri-Cong Pham, Chi-Mai Luong, Muriel Visani and Van-Dung Hoang</i></p> <p>Improving Traffic Signs Recognition Based on Region Proposal and Deep Neural Networks <i>Van-Dung Hoang, My-Ha Le, Truc Thanh Tran and Van-Huy Pham</i></p>

09:20 – 11:00 Tuesday 20 March 2018	<p>ICVSA: Intelligent Computer Vision Systems and Applications Chair: Prof. Dariusz Frejlichowski, Poland Location: Phong Loc Room (3rd floor)</p>
	<p>A Reliable Image-to-Video Person Re-Identification Based on Feature Fusion <i>Thuybinh Nguyen, Thi-Lan Le, Dinh Duc Nguyen and Dinh-Tan Pham</i></p> <p>Implementing AI for Non-Player Characters in 3D Video Games <i>Marek Kopel and Tomasz Hajas</i></p> <p>A New Framework for People Counting from Coarse to Fine Could be Robust to Viewpoint and Illumination <i>An H. Nguyen and Ngoc Q. Ly</i></p> <p>Automatic Measurement of Concrete Crack Width in 2D Multiple-Phase Images for Building Safety Evaluation <i>Hoang Nam Nguyen, Tan Y Nguyen and Duc Lam Pham</i></p> <p>A New Algorithm for Greyscale Objects Representation by Means of the Polar Transform and Vertical and Horizontal Projections <i>Dariusz Frejlichowski</i></p>

<p>09:20 – 11:00 Tuesday 20 March 2018</p>	<p>IoT&DAT: Intelligent Applications of Internet of Thing and Data Analysis Technologies Chair: Dr. Chuan-Bi Lin, Taiwan Location: VIP room (2nd floor)</p>
	<p>A New Method for Establishing and Managing Group Key against Network Attacks <i>Truong Nguyen Dao and Tu Le My</i></p> <p>Detection of the Bee Queen Presence Using Sound Analysis <i>Tymoteusz Cejrowski, Julian Szymański, Higinio Mora and David Gil</i></p> <p>A Design for an Anti-Static Wrist Strap Wireless Monitoring System in a Smart Factory <i>Chia-Chi Chang, Shien-Yi Chen, Ching-Chuan Wei and Yung-Hung Hsu</i></p> <p>Enhanced Passcode Recognition Based on Press Force and Time Interval <i>Hua-Yuan Shih, Song Guo, Rung-Ching Chen and Chen-Yeng Peng</i></p> <p>A Low-Costed Positioning System Based on Wearable Devices for Elders and Children in A Local Area <i>Chuan-Bi Lin, Yung-Fa Huang, Long-Xin Chen, Yu-Chiang Chang, Z-Ming Hong and Jong-Shin Chen</i></p>

<p>09:20 – 11:00 Tuesday 20 March 2018</p>	<p>IVMLS: Analysis of Image, Video and Motion Data in Life Sciences Chair: Prof. Konrad Wojciechowski, Poland Location: Business Center (1st floor)</p>
	<p>Evaluation of Similarity Measuring Method of Human Body Movement Based on 3D Chain Code <i>Truong Hong Ngan Pham, Teruhisa Hochin and Hiroki Nomiya</i></p> <p>Optical Flow for Collision Avoidance in Autonomous Cars <i>Damian Pęszor, Marcin Paszkuta, Marzena Wojciechowska and Konrad Wojciechowski</i></p> <p>Vertebrae Fracture Classification from 3D CT Lumbar Spine Segmentation Masks using a Convolutional Neural Network <i>Charmae Antonio, Louise Gillian Bautista, Alfonso Labao and Prospero Naval</i></p> <p>Analysis of Convolutional Neural Networks and Shape Features for Detection and Identification of Malaria Parasites on Thin Blood Smears <i>Kristofer Delas Peñas, Pilarita Rivera and Prospero Naval</i></p> <p>Intelligent Video Monitoring System with the Functionality of Online Recognition of People's Behavior and Interactions between People <i>Marek Kulbacki, Jakub Segen, Sławomir Wojciechowski, Kamil Wereszczyński, Jerzy Paweł Nowacki, Aldona Drabik and Konrad Wojciechowski</i></p>

Day 2. Tuesday, 20 March 2018

Parallel Sessions 5 (15:45 – 16:45)

15:45 – 16:45 Tuesday 20 March 2018	2DT-PBL: Design Thinking Based R&D, Development Technique, and Project Based Learning Chair: Prof. Takuya Fujihashi, Japan Location: Phong Dang Room (3rd floor)
	<p>A Development of Participatory Sensing System for Foreign Visitors in PBL <i>Shuta Nakamae, Wataru Sakamoto, Tetsuya Negishi, Shuhei Goto, Buntarou Shizuki, Chiemi Watanabe and Toshiyuki Amagasa</i></p> <p>A Practice for Training IT Engineers by Combining Two Different Types of PBL <i>Kazuhiko Sato, Yosuke Kobayashi, Takeshi Shibata, Hidetsugu Suto, Shinya Watanabe, Shun Hattori and Sato Saga</i></p> <p>Utilizing Tablets in an Ideathon for University Undergraduates <i>Keiichi Endo, Takuya Fujihashi and Shinya Kobayashi</i></p>
15:45 – 16:45 Tuesday 20 March 2018	InBinBRAIN: Intelligent Biomarkers of Neurodegenerative Processes in Brain Chair: Prof. Andrzej Przybyszewski, Poland Location: Phong Loc Room (3rd floor)
	<p>Automatic Detection and Classification of Brain Hemorrhages <i>Anh-Cang Phan, Van-Quyen Vo and Thuong-Cang Phan</i></p> <p>Rough Set Data Mining Algorithms and Pursuit Eye Movement Measurements Help to Predict Symptom Development in Parkinson's Disease <i>Albert Śledzianowski, Artur Szymański, Stanisław Szlufik and Dariusz Kozirowski</i></p> <p>Rules Determine Therapy-Dependent Relationship in Symptoms Development of Parkinson's Disease Patients <i>Andrzej Przybyszewski, Stanislaw Szlufik, Piotr Habela and Dariusz Kozirowski</i></p>
15:45 – 16:45 Tuesday 20 March 2018	MIN-2: Machine Learning and Data Mining-2 Chair: Prof. Marzena Kryszkiewicz, Poland Location: VIP room (2nd floor)
	<p>A Degenerate Agglomerative Hierarchical Clustering Algorithm for Community Detection <i>Antonio Maria Fiscarelli, Stanislav Konchenko, Aleksandr Beliaikov and Pascal Bouvry</i></p> <p>Analysis on Hybrid Dominance-Based Rough Set Parameterization Using Private Financial Initiative Unitary Charges Data <i>Masurah Mohamad and Ali Selamat</i></p> <p>Path Histogram Distance for Rooted Labeled Caterpillars <i>Taiga Kawaguchi, Takuya Yoshino and Kouichi Hirata</i></p>
15:45 – 16:45 Tuesday 20 March 2018	IIS-1: Intelligent Information Systems-1 Chair: Dr. Ford Lumban Gaol, Indonesia Location: Business Center (1st floor)
	<p>A Simply Way for Chronic Disease Prediction and Detection Result Visualization <i>Dingkun Li, Hyun Woo Park, Erdenebileg Batbaatar and Keun Ho Ryu</i></p> <p>An Improved and Tool-Supported Fuzzy Automata Framework to Analyze Heart Data <i>Iván Calvo, Mercedes G. Merayo and Manuel Núñez</i></p> <p>Design and Development of an Online Support System for Elder Care <i>Sukontip Wongpun and Sumanta Guha</i></p>



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Parallel Thematic Sessions

**Day
2**

Day 2. Tuesday, 20 March 2018

Parallel Sessions 6 (16:45 – 17:45)

16:45 – 17:45 Tuesday 20 March 2018	SOC-2: Social Networks and Recommender Systems-2 Chair: Dr. Henry Nguyen, Australia Location: Phong Dang Room (3rd floor)
	Fairness in Culturally Dependent Waiting Behavior: Cultural Influences on Social Communication in Simulated Crowds <i>Sutasinee Thovuttikul, Yoshimasa Ohmoto and Toyoaki Nishida</i>
	Targeted Misinformation Blocking on Online Social Networks <i>Canh V. Pham, Quat V. Phu and Huan X. Hoang</i>
	Using Differential Evolution with a Simple Hybrid Feature for Personalized Recommendation <i>Michał Bałchanowski, Urszula Boryczka and Kamil Dworak</i>
16:45 – 17:45 Tuesday 20 March 2018	DEC-2: Decision Support Systems-2 Chair: Prof. Lionel Amodeo, France Location: Phong Loc Room (3rd floor)
	Using a Multi-Agent System for Overcoming Flickering Effect in Distributed Large-Scale Customized Lighting Design <i>Adam Sędziwy and Leszek Kotulski</i>
	Smart Lighting Control Architecture and Benefits <i>Igor Wojnicki and Sebastian Ernst</i>
	The Optimal Control Problem with Fixed-End Trajectories for a Three-Sector Economic Model of a Cluster <i>Zainelkhriet Murzabekov, Marek Milosz and Kamshat Tussupova</i>
16:45 – 17:45 Tuesday 20 March 2018	ADTMA-2: Advanced Data Mining Techniques and Applications-2 Chair: Prof. Chun-Hao Chen, Taiwan Location: VIP room (2nd floor)
	A Parking Occupancy Prediction Approach based on Spatial and Temporal Analysis <i>Eric Hsueh-Chan Lu and Chen-Hao Liao</i>
	A Novel Approach for Option Trading Based on Kelly Criterion <i>Mu-En Wu and Wei-Ho Chung</i>
	Music Recommendation Based on Information of User Profiles, Music Genres and User Ratings <i>Ja-Hwung Su, Chu-Yu Chin, Hsiao-Chuan Yang, Vincent S. Tseng and Sun-Yuan Hsieh</i>
16:45 – 17:45 Tuesday 20 March 2018	ICXS-2: Intelligent and Contextual Systems-2 Chair: Prof. Keun Ho Ryu, South Korea, Dr. Maciej Huk, Poland Location: Business Center (1st floor)
	DeepEnergy: Prediction of Appliances Energy with Long-Short Term Memory Recurrent Neural Network <i>Erdenebileg Batbaatar, Hyun Woo Park, Dingkun Li, Meijing Li and Keun Ho Ryu</i>
	Efficient Ensemble Methods for Classification on Clear Cell Renal Cell Carcinoma Clinical Dataset <i>Kwang Ho Park, Musa Ibrahim M. Ishag, Kwang Sun Ryu, Meijing Li and Keun Ho Ryu</i>
	Agent-Based Model of Ancient Siege Tactics <i>Ondrej Dolezal, Petr Kakrda and Richard Cimler</i>



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Parallel Thematic Sessions

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Day 3. Wednesday, 21 March 2018

Parallel Sessions 7 (08:00 – 09:20)

08:00 – 09:20 Wednesday 21 March 2018	VIS: Computer Vision Techniques Chair: Prof. Kazimierz Choroś, Poland Location: Phong Dang Room (3rd floor)
	Towards Robust Evaluation of Super-Resolution Satellite Image Reconstruction <i>Michal Kawulok, Pawel Benecki, Jakub Nalepa, Daniel Kostrzewa and Lukasz Skonieczny</i>
	Scoring Photographic Rule of Thirds in a Large MIRFLICKR Dataset: A showdown between machine perception and human survey perception of image aesthetics <i>Adnan Firoze, Tousif Osman, Shahreen Shahjahan Psyche and Rashedur M Rahman</i>
	Feature-based Image Compression <i>Pavel Morozkin, Marc Swynghedauw and Maria Trocan</i>
	Video Classification Technology in a Knowledge-Vision-Integration Platform for Personal Protective Equipment Detection: An evaluation <i>Caterine de Oliveira, Cesar Sanin and Edward Szczerbicki</i>
08:00 – 09:20 Wednesday 21 March 2018	KNO-2: Knowledge Engineering and Semantic Web-2 Chair: Prof. Ja-Hwung Su, Taiwan Location: Phong Loc Room (3rd floor)
	The Assessing of Influence of Collective Intelligence on the Final Consensus Quality <i>Adrianna Kozierekiewicz, Van Du Nguyen and Marcin Pietranik</i>
	Heuristic Algorithms for 2-Optimality Consensus Determination <i>Adrianna Kozierekiewicz and Mateusz Sitarczyk</i>
	A Memory-Efficient Algorithm with Level-Order Unary Degree Sequence for Forward Reasoning Engines <i>Hiromu Hiidome, Yuichi Goto and Jingde Cheng</i>
	Automatically Mapping Wikipedia Infobox Attributes to DBpedia Properties for Fast Deployment of Vietnamese DBpedia Chapter <i>Nhu Nguyen, Dung Cao and Anh Nguyen</i>
08:00 – 09:20 Wednesday 21 March 2018	MSQGD: Modelling, Storing, and Querying of Graph Data Chair: Prof. Jaroslav Pokorný, Czech Republic Location: VIP room (2nd floor)
	Meta-Modeling. Decomposition of Responsibilities <i>Piotr Zabawa</i>
	Stochastic Pretopology as a Tool for Topological Analysis of Complex Systems <i>Quang Vu Bui, Soufian Ben Amor and Marc Bui</i>
	Experimental Clarification of Some Issues in Subgraph Isomorphism Algorithms <i>Xuguang Ren, Junhu Wang, Nigel Franciscus and Bela Stantic</i>
	Beyond Word-Cloud: A Graph Model Derived from Beliefs <i>Nigel Franciscus, Xuguang Ren and Bela Stantic</i>

<p>08:00 – 09:20 Wednesday 21 March 2018</p>	<p>ISaMiB-1: Intelligent Systems and Methods in Biomedicine-1 Chair: Prof. Ondrej Krejcar, Czech Republic Location: Business Center (1st floor)</p>
	<p>Detection and Dynamical Tracking of Temperature Facial Distribution Caused by Alcohol Intoxication with Using of Modified OTSU Regional Segmentation <i>Jan Kubicek, Marek Penhaker, Martin Augustynek, Martin Cerny, David Oczka and Petra Maresova</i></p> <p>Modelling and Objectification of Secondary X Ray Irradiation on Skiagraphy Images in Clinical Conditions <i>Jan Kubicek, Martin Augustynek, Andrea Vodakova and Marek Penhaker</i></p> <p>LMultiregional Soft Segmentation Driven by Modified ABC Algorithm and Completed by Spatial Aggregation: Volumetric, Spatial Modelling and Features Extraction of Articular Cartilage Early Loss <i>Jan Kubíček, Marek Penhaker, Martin Augustynek, Martin Cerny and David Oczka</i></p> <p>Analysis and Modelling of Heel Bone Fracture with Using of Active Contour Driven by Gaussian Energy and Features Extraction <i>Jan Kubicek, Marek Penhaker, David Oczka, Martin Augustynek, Martin Cerny and Petra Maresova</i></p>

Day 3. Wednesday, 21 March 2018

Parallel Sessions 8 (09:20– 10:40)

09:20– 10:40 Wednesday 21 March 2018	ISOLIA-1: Intelligent Systems for Optimization of Logistics and Industrial Applications-1 Chair: Prof. Farouk Yalaoui, France Location: Phong Dang Room (3rd floor)
	Community of Practice for Product Innovation Towards the Establishment of Industry 4.0 <i>Mohammad Maqbool Waris, Cesar Sanin and Edward Szczerbicki</i> Online Monitoring System of the Enrichment Factory Input Ore Flows Quality on the Base of Temporal Model <i>Viktor Toporov, Valery Axelrod and Ualsher Tukeyev</i> Improving KPI Based Estimation of the Number of Energy Consumption Profiles in the Case of Discreet Multi-Variant Production <i>Rafal Cupek, Adam Ziebinski, Marek Drewniak and Marcin Fojcik</i> Performance Analysis in Discrete, Multi-Variant Production <i>Rafal Cupek, Adam Ziebinski, Marek Drewniak and Marcin Fojcik</i>
09:20– 10:40 Wednesday 21 March 2018	CIV: Computational Imaging and Vision Chair: Dr. Manish Khare, India Location: Phong Loc Room (3rd floor)
	Satellite Image Classification Based Spatial-Spectral Fuzzy Clustering Algorithm <i>Sinh Dinh Mai, Long Thanh Ngo and Hung Le Trinh</i> Classification of Food Images through Interactive Image Segmentation <i>Sanasam Inunganbi, Ayan Seal and Pritee Khanna</i> Large-Scale Face Image Retrieval System at Attribute Level Based on Facial Attribute Ontology and Deep Neuron Network <i>Hung M. Nguyen, Ngoc Q. Ly and Trang T. T. Phung</i> A Multiresolution Approach for Content-Based Image Retrieval Using Wavelet Transform of Local Binary Pattern <i>Manish Khare, Prashant Srivastava, Jeonghwan Gwak and Ashish Khare</i>
09:20– 10:40 Wednesday 21 March 2018	MIN-3: Machine Learning and Data Mining-3 Chair: Prof. Kouichi Hirata, Japan Location: VIP room (2nd floor)
	Deep 3D Convolutional Neural Network Architectures for Alzheimer's Disease Diagnosis <i>Hiroki Karasawa, Chien-Liang Liu and Hayato Ohwada</i> Kernel and Acquisition Function Setup for Bayesian Optimization of Gradient Boosting Hyperparameters <i>Andrzej Szwabe</i> Multiple Function Approximation - A New Approach Using Complex Fuzzy Inference System <i>Chia-Hao Tu and Chunshien Li</i> LR-SDiscr: An efficient Algorithm for Supervised Discretization <i>Habiba Drias, Hadjer Moulai and Nourelhouda Rehkab</i>

<p>09:20– 10:40 Wednesday 21 March 2018</p>	<p>ISaMiB-2: Intelligent Systems and Methods in Biomedicine-2 Chair: Prof. Ondrej Krejcar, Czech Republic Location: Business Center (1st floor)</p>
	<p>PCA-KNN for Detection of NS1 from SERS Salivary Spectra <i>N. H. Othman, Khuan Y. Lee, A. R. M. Radzol, W. Mansor, P. S. Wong-M.D. and I. Looi-M.D.</i></p> <p>Dynamic Modeling of the Czech Republic Population with a Focus on Alzheimer's Disease Patients <i>Hana Tomášková, Petra Marešová, Daniel Jun, Martin Augustynek, Jan Honegr and Blanka Klímová</i></p> <p>Framework for Effective Image Processing to Enhance Tuberculosis Diagnosis <i>Tsion Samuel, Dawit Assefa and Ondrej Krejcar</i></p> <p>Pseudo-Relevance Feedback for Information Retrieval in Medicine using Genetic Algorithms <i>Lanh Nguyen and Tru Cao</i></p>

Day 3. Wednesday, 21 March 2018

Parallel Sessions 9 (11:00 – 12:00)

11:00 – 12:00 Wednesday 21 March 2018	ISOLIA-2: Intelligent Systems for Optimization of Logistics and Industrial Applications-2 Chair: Prof. Farouk Yalaoui, France Location: Phong Dang Room (3rd floor)
	Modeling of Position Control for Hydraulic Cylinder Using Servo Valve <i>Ngoc Hai Tran, Quang Bang Tao, Tan Tien Huynh, Xuan Tuy Tran and Nhu Thanh Vo</i> A Large Neighborhood Search Heuristic for the Cumulative Scheduling Problem with Time-Dependent Resource Availability <i>Nhan-Quy Nguyen, Farouk Yalaoui, Lionel Amodeo and Hicham Chehade</i> Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming <i>Taha Arbaoui and Farouk Yalaoui</i>
11:00 – 12:00 Wednesday 21 March 2018	IoT: Sensor Networks and Internet of Things Chair: Prof. ChongGun Kim, South Korea Location: Phong Loc Room (3rd floor)
	Comparison of Indoor Positioning System Using Wi-Fi and UWB <i>Jaemin Hong, Kyujin Kim and Chonggun Kim</i> A New Approach to Estimate Urban Air Temperature Using Smartphones <i>Nguyen Hai Chau</i> Voice Recognition Software on Embedded Devices <i>Pavel Vojtas, Jan Štěpán, David Sec, Richard Cimler and Ondrej Krejcar</i>
11:00 – 12:00 Wednesday 21 March 2018	DEC-3: Decision Support Systems-3 Chair: Prof. Zbigniew Malara, Poland Location: VIP room (2nd floor)
	Collinearity Models in the Eigenvalue Problem <i>Leon Bobrowski</i> The Shapley Value in Fuzzy Simple Cooperative Games <i>Barbara Gładysz and Jacek Mercik</i> Knowledge Representation of Cognitive Agents Processing the Economy Events <i>Marcin Hernes and Andrzej Bytniewski</i>
11:00 – 12:00 Wednesday 21 March 2018	IIS-2: Intelligent Information Systems-2 Chair: Prof. Doina Logofatu, Germany Location: Business Center (1st floor)
	Is Higher Order Mutant Harder to Kill Than First Order Mutant? An Experimental Study <i>Quang-Vu Nguyen and Duong-Thu-Hang Pham</i> Information Systems Development via Model Transformations <i>Jaroslav Pokorný, Karel Richta and Tomáš Richta</i> Usability Testing of a Responsive Web System for a School for Disabled Children <i>Justyna Krzewińska, Agnieszka Indyka-Piasecka, Marek Kopel, Elżbieta Kukla, Zbigniew Telec and Bogdan Trawinski</i>



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Poster Sessions

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Day 1. Monday, 19 March 2018

Poster Session-1 (13:15 – 14:00)

13:15 – 14:00
Monday
19 March 2018

Poster Session 1

Chairs: **Prof. Manuel Núñez, Spain and Dr. Andrzej Siemiński, Poland**
Location: **Phong Dang Room (3rd floor)**

Poster 1:

A Method for Uncertainty Elicitation of Experts Using Belief Function

Tuan Nha Hoang, Tien Tuan Dao and Marie-Christine Ho Ba Tho

Poster 2:

Storing Hypergraph-Based Data Models in Non-hypergraph Data Storage

András Béleczi, Bálint Molnár and Bence Sarkadi-Nagy

Poster 3:

A Three-stage Consensus-based Method for Collective Knowledge Determination

Dai Tho Dang, Van Du Nguyen, Ngoc Thanh Nguyen and Dosam Hwang

Poster 4:

An Approach for Recommending Group Experts on Question and Answering Sites

Dinh Tuyen Hoang, Ngoc Thanh Nguyen, Huyen Trang Phan and Dosam Hwang

Poster 5:

Tweet Integration by Finding the Shortest Paths on a Word Graph

Huyen Trang Phan, Dinh Tuyen Hoang, Ngoc Thanh Nguyen and Dosam Hwang

Poster 6:

A Coupling Support Vector Machines with the Feature Learning of Deep Convolutional Neural Networks for Classifying Microarray Gene Expression Data

Phuoc-Hai Huynh, Van-Hoa Nguyen and Thanh-Nghi Do

Poster 7:

A Weighted Approach for Class Association Rules

Loan T. T. Nguyen, Bay Vo, Thang Mai and Thanh-Long Nguyen

Poster 8:

Fuzzy Ontology Modeling by Utilizing Fuzzy Set and Fuzzy Description Logic

Xuan Hung Quach and Thi Lan Giao Hoang

Poster 9:

DNA Sequences Representation Derived from Discrete Wavelet Transformation for Text Similarity Recognition

Phan Hieu Ho, Ngoc Anh Thi Nguyen and Trung Hung Vo

Poster 10:

A Novel Method to Predict Type for DBpedia Entity

Thi-Nhu Nguyen, Hideaki Takeda, Khai Nguyen, Ryutaro Ichise and Tuan-Dung Cao

Poster 11:

Event detection in Twitter: Methodological Evaluation and Structural Analysis of the Bibliometric Data

Musa Ibrahim M. Ishag, Kwang Sun Ryu, Jong Yun Lee and Keun Ho Ryu

Poster 12:

Combination of Inner Approach and Context-Based Approach for Extracting Feature of Medical Record Data

Van-Minh Le, Quang-Ngu Truong and Tu-Thien Huynh

Poster 13:

A Fuzzy Logic Approach to Predict the Popularity of a Presidential Candidate

Pritom Mazumder, Navid Anjum Chowdhury, Moh. Anwar-Ul-Azim Bhuiya, Shabbir Haque Akash and Rashedur M. Rahman

Poster 14:

Perceiving Attributes of Game AI Using Fuzzy Logic

Saadman Shahid Chowdhury, Ruhul Mashbu, Ariq Ahnaf Shaan, Kazi Al Ashfaq, Fazal Mahmud Niloy and Rashedur M. Rahman

Poster 15:

A Fuzzy Approach for the Diagnosis of Depression

Abhijit Thakur, Md.Sakibul Alam, Md.Rashidul Hasan Abir, Mahir Ashab Ahmed Kushal and Rashedur M. Rahman

Poster 16:

Context-Based Personalized Predictors of the Length of Written Responses to Open-ended Questions of Elementary School Students

Roberto Araya, Abelino Jimenez and Carlos Aguirre

Poster 17:

A Deep Learning Approach to Case Based Reasoning to the Evaluation and Diagnosis of Cervical Carcinoma

José Neves, Henrique Vicente, Filipa Ferraz, Ana Catarina Leite, Ana Rita Rodrigues, Manuela Cruz, Joana Machado, João Neves and Luzia Sampaio

Poster 18:

Robust Scale-Invariant Normalization and Similarity Measurement for Time Series Data

Ariyawat Chonbodeechalermroong and Chotirat Ann Ratanamahatana

Poster 19:

Fast and Memory Efficient Mining of Periodic Frequent Patterns

Vincent Mwintieru Nofong

Poster 20:

Approaches to Building a Detection Model for Water Quality: A Case Study

Fitore Muharemi, Doina Logofatu, Christina Andersson and Florin Leon

Poster 21:

Development of Seawater Temperature Announcement System for Quick and Accurate Red Tide Estimation

Yu Agusa, Takuya Fujihashi, Keiichi Endo, Hisayasu Kuroda and Shinya Kobayashi

Poster 22:

Support Product Development Framework by means of Set of Experience Knowledge Structure (SOEKS) and Decisional DNA

Muhammad Bilal Ahmed, Cesar Sanin and Edward Szczerbicki



ACIIDS 2018, Dong Hoi, Vietnam
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Poster Sessions

Day
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Day 2. Tuesday, 20 March 2018

Poster Session-2 (13:30 – 14:15)

13:30 – 14:15
Tuesday
20 March 2018

Poster Session 2
Chairs: **Prof. Manuel Núñez, Spain and Dr. Andrzej Siemiński, Poland**
Location: **Phong Dang Room (3rd floor)**

Poster 23

Investments Decision Making on the Basis of System Dynamics

Galimkaiyr Mutanov, Marek Milosz, Zhanna Saxenbayeva and Aida Kozhanova

Poster 24

Dynamic Configuration of Same-Day Delivery in e-Commerce

Arkadiusz Kawa, Bartłomiej Pierański and Wojciech Zdrenka

Poster 25

Lean and Agile Supply Chains of e-Commerce in Terms of Customer Value Creation

Arkadiusz Kawa and Anna Maryniak

Poster 26

Actual Situation and Development in Online Shopping in the Czech Republic, Visegrad Group and EU-28

Libuse Svobodova and Martina Hedvicakova

Poster 27

How Product Brand Effects Consumer Decision

Vaclav Zubr, Hana Mohelska and Marcela Sokolova

Poster 28

Improvement of Community Bus Operation Management System

Kento Ando, Yu Fujihara, Takuya Fujihashi, Keiichi Endo, Hisayasu Kuroda and Shinya Kobayashi

Poster 29

Study of CNN Based Classification for Small Specific Datasets

Huu Ton Le, Thierry Urruty, Marie Beurton-Aimar, Thi Phuong Nghiem, Hoang Tung Tran, Romain Verset, Marie Ballere, Hien Phuong Lai and Muriel Visani

Poster 30

GPU Video Stream Magnification as a Tool for Touchless Object Vibration Measurement

Dawid Sobel, Karol Jędrasiak and Aleksander Nawrat

Poster 31

Viewpoint Invariant Person Re-identification with Pose and Weighted Local Features

Chun-Huei Chen, Ju-Chin Chen and Kawuu W. Lin

Poster 32

Novel Approach for Localization of Patients in Urgent Admission Department

Jan Kubicek, Libor Michalek, Tomas Urbanczyk, Jaromir Konecny, Martin Tomis, Filip Benes, Jiri Svub, Pavel Stasa and Leopold Pleva

Poster 33

Breast Cancer Detection using Modern Visual IT Techniques

Sebastien Mambou, Petra Maresova, Ondrej Krejcar, Ali Selamat and Kamil Kuca

Poster 34

Novel Human Action Recognition in RGB-D Videos Based on Powerful View Invariant Features Technique

Sebastien Mambou, Ondrej Krejcar, Kamil Kuca and Ali Selamat

Poster 35

Contactless Identification System Based on Visual Analysis of Examined Element

Lukas Kolda, Ondrej Krejcar, Ali Selamat, Peter Brida and Kamil Kuca

Poster 36

Design of Universal Hardware Node Board for Smart-Home Automation and the IoT

Jan Stepan, Richard Cimler, Jan Matyska and Ondrej Krejcar

Poster 37

Path Estimation from Smartphone Sensors

Jan Racko, Peter Brida, Juraj Machaj and Ondrej Krejcar

Poster 38

How to Choose Deep Face Models for Surveillance System?

Vy Nguyen, Tien Do, Vinh-Tiep Nguyen, Thanh Duc Ngo and Duc Anh Duong

Poster 39

A Multi-Metric Routing Protocol to Improve the Achievable Performance of Mobile Ad-hoc Networks

Vu Khanh Quy, Nguyen Tien Ban and Nguyen Dinh Han

Poster 40

Integrated Data Access to Heterogeneous Data Stores for IoT Cloud

Shodai Watanabe and Akihito Nakamura

Poster 41

OpenWebCrypt - Securing Our Data in Public Cloud

Peter Voros and Attila Kiss

Poster 42:

A Novel Load Forecasting System Leveraging Database Technology

Chee Keong Wee and Richi Nayak

Poster 43:

A Novel Database Exploitation Detection and Privilege Control System Using Data Mining

Chee Keong Wee and Richi Nayak

Poster 44:

Agent Programming Languages and Logics in Agent-Based Simulation

John Bruntse Larsen

Poster 45:

A Tool to Compute the Leakage of Multi-Threaded Programs

Tri Minh Ngo and Quang Tuan Duong