

12th International Symposium on Management Engineering

- Toward Collaborative Innovation for Management of Technology and Engineering -

September 1 Tuesday	
15:00 - 17:00	Registration CONVENTION HALL 1F
18:00 - 20:00	Reception

September 2 Wednesday	
8:00 - 17:00	Registration CONVENTION HALL 1F
09:20 - 09:30	Opening
9:30 - 10:20	KEYNOTE 1 Room I "Intelligent Wireless Sensor Network and Applications" by Prof Jeng-Shyang Pan (Assistant President of Fujian University of Technology and the Professor of the Harbin Institute of Technology Shenzhen Graduate School)
10.20-11.10	KEYNOTE 2 Room I "Research directions in Subjective Decision Support System: Case Study on Medical Diagnosis" by Prof Hamido Fujita (Professor, Director of Intelligent Software Systems, Iwate Prefectural University)
11:10 - 13:00	Lunch
13:00 - 14:00	Session S11 Room 1 Chair Hiroaki Uesu S11a Fuzzy cognitive research on influencing factors of technology innovation - from prospective of path dependence, by Jing HU, Yilin Wang, Yong Zhang S11b Needs analysis applying type-2 fuzzy contingency table - questionnaire analysis for media lectures -, by Hiroaki Uesu S11c Fuzzy c-regression models for fuzzy numbers on a graph, by Tatsuya Higuchi, Sadaaki Miyamoto, Yasunori Endo
14:00 - 14:20	Coffee Break
14:20 - 15:20	Session S12 Room 1 Chair: Yoshiyuki Yabuuchi S12a Fuzzy autocorrelation model with fuzzy confidence intervals and its evaluation, by Yoshiyuki Yabuuchi, Takayuki Kawaura, Junzo Watada S12b A pso based support vector machine for human tracking, by Zhenyuan XU, Junzo Watada S12c Granular gravitational fuzzy C-means clustering by Quoc Hung TRUONG, Long Thanh NGO
15:20 - 15:40	Coffee Break
15:40 - 16:20	Session S13 Room 1 Chair: Hiroaki Ishii S13a The hotel yield management with two discount prices, overbooking and walking cost, by Hiroaki Ishii S13b Optimal allocation of AED, by Shintaro Mohri, Hiroaki Ishii S13c
16.30 & 1730	The free bus departs at 16.30 and 17.30 at the exit of Conference Hall

18:30 - 20:00	BANQUET
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NOTE:

Opening is provided at Room I
 Sessions S11 to S18 are Room isme-1 Session 1 to 8
 Sessions S21 to S28 are Room isme-2 Session 1 to 8
 Room I is International Room
 Three keynotes are provided at Room I
 Three tutorials are provided at Room isme-1
 Closing is provided at Room isme-1

13:00 - 14:00	Session SB1 Room 2 Chair: You LI SB1a Studies on Measurement of Brainwave and Eye tracking, by KITAGAWA Hanayuki SB1b Building a sensitivity-based portfolio selection models, by Huiming Zhang, LI Ye, Junzo Watada, You Li, Bo Wang SB1c A fuzzy time-series prediction by GA based rough sets model, by Jing Zhao, Junzo Watada, Yoshiyuki Matsumoto
14:00 - 14:20	Coffee Break
14:20 - 15:20	Session SB2 Room 2 Chair: Shing Chiang Tan SB2a Evolving a radial basis function neural network with a gravitational search algorithm, by Shing Chiang Tan, Chee Peng Lim, Junzo Watada SB2b Governance of administrative overspending with urbanization in China - Evidence from path effect model, by Juying Zeng, Bing Xu SB2c SL-GPSO with fuzzy reasoning as a training algorithm for a neural network, by Haydee Roci MELO CISNEROS, Junzo Watada
15:20 - 15:40	Coffee Break
15:40 - 16:20	Session SB3 Room 2 Chair: Long Thabnh Ngo SB3a A study of the use of co-authored information, authors' affiliation information of scientific literature using centralities, -the researchers who act as mediators between organizations, by Yuji Mizukami, Keisuke Honda, Shigenori Suzuki, Junii Nakano, Akira Otabe SB3b The impact of multimedia word of mouth on consumer trust and purchase intention, by Haibin Zhang, Chikako Takanashi, Kiminori Gemba, Shuichi Ishida SB3c

September 3		Thursday	
8:00 - 16:00	Registration CONVENTION HALL 1F		
9:20 - 10:10	KEYNOTE 3 Room I	"Cost-Sensitive 2D Linear Discriminant Analysis For Cost-Sensitive Face Recognition" by Professor. Huaxiong Li (Professor Nanjing University)	
10:10 - 10:30	Coffee Break		
10:30 - 11:00	Tutorial 1 Room 1	"Fuzzy Evaluation and Decision Making for Indigenous Physical Curriculum" by Berlin Wu (Professor, National Chengchi University, Taiwan), (Information & Management Sciences)	
11:00 - 11:30	Tutorial 2 Room 1	Towards Hybrid Clustering Approach to Data Classification: Multiple Kernel based-Interval-valued Fuzzy C-Means Algorithms, By Long Thanh Ngo (Le Quy Don Technical University, Hanoi), (Source "Towards hybrid clustering approach to data classification: Multiple	
11:30 - 12:00	Tutorial 3 Room 1	A Parsimonious Radial Basis Function-Based Neural Network for Data Classification (from Springer Book Chapter) by Shing Chiang Tan (Professor, Multimedia University, Malaysia)	
12:00 - 14:00	Lunch		
14:00 - 15:00	Session S15 Room 1 Chair Berlin WU	S15a	New statistical analysis on management decision with fuzzy data, by Berlin Wu
		S15b	A fuzzy VaR ratio-based portfolio selection model, by You Li, Bo Wang, Junzo Watada
		S15c	SL-GPSO with fuzzy reasoning as a training algorithm for a neural network, by Haydee Roci M
15:00 - 15:20	Coffee Break		
15:20 - 16:20	Session S16 Room 1 Chair: Bo Wang	S16a	The influence of perceived rarity, luxuriousness on consumer brand attitude: Observation in Japan, by Ken Kumagai, Shin'ya Nagasawa
		S16b	Unit commitment optimization under stochastic and fuzzy uncertainties, by Bo Wang, Junzo Watada
		S16c	Optimisation of electronic circuit design using evolutionary algorithms, by Choo Jun Tan, Chee Peng Lim
18:00 - 20:00	ISME2016/IMIP2016 Meeting		

September 4		Friday	
8:00 - 11:00	Registration CONVENTION HALL 1F		
09:20 - 10:20	Session S17 Room 1 Chair: Zhenyuan XU	S17a	European option pricing model with fuzzy risk measure method by Huiming Zhang, Junzo Watada
		S17b	Simplified fuzzy robust regression model using centroid, by Yoshiyuki Yabuuchi
		S17c	Solving imbalanced data issue by support vector machine and genetic algorithm, by Zhenyuan Xu, Yuxia Lin, Junzo Watada
10:20 - 10:40	Coffee Break		
10:40 - 11:40	Session S18 Room 1 Chair: Tomonori Kawano	S18a	Knowledge acquisition using rough set from the time series data when their changes are large, by Yoshiyuki Matsumoto, Junzo Watada
		S18b	Arithmetic DNA for binary additions: Designing a combined AND-XOR circuit using a circular DNA, by Asuka Kikuchi, Tomonori Kawano
		S18c	Attempt for simulating the lethal toxicity curves from a limited number of experimental data points using green paramecium cells exposed to toxic metals, by Hiroshi Takaichi, Tomonori Kawano
11:40 - 12:00	Room 1	CLOSING	

10:30 - 11:30	Session S24	S24a	
	Room 2	S24b	
	Chair:	S24c	
12:00 - 14:00	Lunch		
14:00 - 15:00	Session S25 Room 2 Chair: Huiming Zhann	S25a	Strategic decision-making from the perspective of fuzzy two-echelon supply chain model, by Junzo Watada, CHEN Xian
		S25b	Human detection method based on HOG + Real AdaBoost, by AOKI Daisuke
		S25c	Comparison of missing Data Imputation methods based on rough set data, by Junzo Watada, CHEN Shi
15:00 - 15:20	Coffee Break		
15:20 - 16:20	Session S26 Room 2 Chair: Bing XU	S26a	Study on panoramic image mosaic based on SURF algorithm, by Jiayi WANG, Junzo Watada
		S26b	An online object tracking method with occlusion and scale variation handling, by Fei SUN, Junzo Watada
		S26c	Detecting pedestrians and vehicles in traffic scene based on boosted HOG features and SVM, by Diqing SUN, Junzo Watada

09:20 - 10:20	Session S27 Room 2 Chair: Junzo Watada	S27a	A new bilevel model developed for winery harvesting problem, by YU Haiyu, Junzo Watada, Jingru Li
		S27b	Building a type-2 fuzzy regression model based on creditability theory and its application on arbitrage pricing theory, by Yicheng Wei, Junzo Watada
		S27c	Toward collaborative innovation for management of technology and engineering - A case study in Taiwan, by Junzo Watada, Yu-Lien Tai
10:20 - 10:40	Coffee Break		
10:40 - 11:40	Session S28 Room 2 Chair: Junzo Watada	S28a	Quasi-hierarchical approach to discrete multiobjective stochastic dynamic programming, by Maciej Nowak, Tadeusz Trzaskalik
		S28b	Some properties of Fibonacci codes: the use of Fibonacci codes in noise-proof digital devices, by Oleksiy A. Borysenko, Viacheslav Kalashnikov, Nataliya I. Kalashnikova, Svetlana M. Matsenko
		S28c	Laser refractive surgery: new materials and methods and optimal market strategies, by Vyacheslav Y. Kalashnikov, Vitaliy V. Kalashnikov