

5 August Wednesday

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|---------------|---------------------|---|
| Room M | 09:00-09:20 | Opening |
| | 09:20-10:20 | Keynote Speech: Prof. László T. Kóczy |
| | Chair: Junzo Watada | "Fuzzy models and modeling beyond Artificial Intelligence" |
| | 10:20-10:40 | Coffee Break |
| | 10:40-11:20 | Keynote Speech: Prof. Zhongtuo Wang |
| | Chair: Deli | "Supernetwork and Its Application in Management Science" |

11:30–13:30 Lunch

| Room A | Session | ID | Time | Title/ Authors |
|---------------------|--------------------|-----------|-------|--|
| 13:30-15:20 | Session 1A | ISME 2005 | 20min | 'Enhancing Text Representation for Classification Tasks with Semantic Graph Structures' BY Jiangning Wu and Qiaofeng Liu |
| | Service Science 1 | ISME 1525 | 20min | 'A Hybrid Coevolutionary Algorithm for Learning Classification Rules Set ' BY Zhichun Wang, Minqiang Li |
| Chair | Jiangning Wu | ISME 1535 | 20min | 'A multi-population-based coevolutionary neural network ensemble algorithm for classification' BY Jin Tian, Minqiang Li, and Fuzan Chen |
| | | ISME 2376 | 20min | 'A decision rules approach for improvement of airport service quality' BY James J.H. Liou and Gwo-Hshiung Tzeng |
| | | ISME 1575 | 30min | 'Toward a Knowledge Capital Theory of the Firm' BY Kaiming Wang and Ying Xiong |
| Coffee Break | | | | |
| Room A | Session 2A | ISME 1995 | 20min | 'The Research of Building the three-Groups Causal Path in the VAR Model' BY Neng Fang Tseng, Berlin Wu |
| 15:30-17:10 | Decision Science 1 | ISME 1195 | 20min | 'A progressive multiple criteria sorting approach based on additive utility function' BY Cai Fu-Ling, Liao Xiu-Wu and Wang Kan-Ling |
| Chair | Weizhou Zhong | ISME 1245 | 20min | 'The Comprehensive Evaluation Model of Chinese Social Development During 2001 to 2007 and Empirical Research Based on G1-CV Combination Weighting' BY Geng Yunjiang, Chi Guotai and Yang Zhongyuan |
| | | ISME 1315 | 20min | 'A method for MADM based on probability distribution information on multiple identifiers' BY Yang Liu, Zhi-Ping Fan and Bo Feng, |
| | | ISME 2075 | 20min | 'Determining Attribute Weights Using Subjective and Objective Information' BY Zhi-Ping Fan, Guo-Qing Lu, and Wei-Lan Suo |

| Room B | Session | ID | Time | Title/ Authors |
|---------------------|-------------------------|-----------|-------|--|
| 13:30-15:10 | Session 1B | ISME 1695 | 20min | 'A multi-dimensionalization of competitive facility location problems' BY Takeshi Uno, Hideki Katagiri, and Kosuke Kato |
| | Scheduling & Assignment | ISME 1895 | 20min | 'Analysis of business process efficiency based on task assignment' BY Zhenguo Wang, Hyerim Bae, and Jaehun Park |
| Chair | Shinpei Matsumoto | ISME 1905 | 20min | 'A Simulation Optimization Approach for Disruption Management of Berth Scheduling' BY Qing-cheng Zeng and Xiang-pei Hu |
| | | ISME 1945 | 20min | 'Route Planning in Wide Areas by Dijkstra algorithm and Multi-objective Genetic Algorithm' BY Xiaohao Gao, Mitsuo Gen |
| | | ISME 2265 | 20min | Predictive Disruption Management for Single Machine Scheduling: The Case of WSPT Schedule' BY Jian-Jun Wang, Feng Liu, De-Li Yang |
| Coffee Break | | | | |
| Room B | Session 2B | ISME 2285 | 20min | 'A Particle Swarm Optimization with Reserved Average Velocity for Linearly Constrained Optimization Problems' BY Chao-Li Sun, Jian-Chao Zeng and Jeng-Shyang Pan |
| 15:30-17:30 | Optimization 1 | ISME 2375 | 20min | 'Combined DEMATEL Technique with ANP for Improving Environment Watershed Plan strategy' BY Yi-Chun Chen, H. P. Lien, Gwo-Hshiung Tzeng |
| Chair | Sadaaki Miyamoto | ISME 2347 | 20min | 'Optimization of Distributed Energy Resources with a Mixed Integer Linear Programming' BY Weijun Gao; Hongbo ren |
| | | ISME 2415 | 20min | 'Discriminant Analysis with Unequal Covariance Matrices' BY Ching-Ching Lin |
| | | ISME 2425 | 20min | 'Forecasting Equity Fund Performance via GA' BY May-Ching Kung Hsu, Juei-Chao Chen, Wen- Hung Wu and Ya-Tzu Liu |
| | | ISME 1625 | 20min | 'A Parallel Simulated Annealing Algorithm Based on Fine-grained Model with GPU-Acceleration' BY Jianming Li, Fang Wang, and Kunming Qian |

| Room C | Session | ID | Time | Title/ Authors |
|---------------------|----------------------------|-----------|-------|---|
| 13:30-15:10 | Invited Session 07 | ISME 2195 | 20min | 'Production quantity for fuzzy seasonal demand and fuzzy total demand based on interval-valued fuzzy sets' BY Teng-San Shih, Jin-Shieh Su and Huey-Ming Lee |
| Chair | Huey-Ming Lee and Lily Lin | ISME 1935 | 20min | 'A Web-Based Menu Recommendation System with Interactive Interface Using Rough Sets ' BY Tomoko Kashima, Shimpei Matsumoto, Hiroaki Ishii |
| | | ISME 2185 | 20min | 'A System for Training English Oral Reaction – A Case Study of the Junior Level of Taiwan English Qualify' BY Huey-Ming Lee, Chien-Hsien Huang |
| | | ISME 2205 | 20min | 'Method of Ratio Estimate in Fuzzy Sense' BY Lily Lin, Shu-Yen Lee, Huey-Ming Lee |
| | | ISME 2215 | 20min | 'Fuzzy Evaluating the Rate of Aggregative Risk in Software Development' BY Huey-Ming Lee, Lily Lin, Shu-Yen Lee |
| Coffee Break | | | | |
| Room C | Session 2C | ISME 1285 | 20min | 'A Model and Its Algorithm for the Problem of Software Reuse Optimization Considering Reliability and Cost Simultaneously' BY Wu Zhiqiao and Tang Jiafu |
| 15:30-16:30 | Industrial | ISME 1915 | 20min | 'Problem Finding and Modeling of Food-Processing Line in a Japanese Medium-Scale Factory - A Case Study of Scheduling with Perishable Items ' BY Shimpei Matsumoto, Hiroaki Ishii |
| Chair | Gwo-Hshiung Tzeng | ISME 1595 | 20min | 'A Novel Evaluation Model for Government Performance' BY HOU Hong-bo and GUO Ya-jun |
| Room C | Invited Session 04 | ISME 2035 | 20min | 'Solving Time-Cost Tradeoff Problem in Project Management Using Level $(1 - \alpha)$ Fuzzy Numbers' BY Feng-Tse Lin |
| 16:30-17:30 | | ISME 2055 | 20min | 'Semiconductor Manufacturing Server Migration: A Case Study' BY Don Jyh-Fu Jeng, |
| Chair | Feng-Tse Lin | ISME 2045 | 20min | 'The EWMA CMV Control Chart for Type I Censored Data' BY Tzong-Ru Tsai |

18:00–20:00 Banquet

6 August Thursday

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|---------------|--------------------|---|
| Room M | 08:30-09:10 | Keynote Speech: Prof. Yunzeng Wang |
| | Chair: Yan SHI | "Managing Suppler Competition in Decentralized Assembly Supply Chains" |
| | 09:10-09:50 | Keynote Speech: Prof. Amy Z. Zeng |
| | Chair: Yan SHI | "Creating Values in Supply Chains through Innovation" |
| | 09:50-10:10 | Coffee Break |

| Room A | Session | ID | Time | Title/ Authors |
|--------------------|----------------|-----------|-------|---|
| 10:10-11:30 | Session 3A | ISME 1115 | 20min | 'An integrated inventory-production system with lot streaming in a three-stage multi-firm supply chain ' BY Kit Nam Francis Leung |
| | Supply Chain 1 | ISME 1225 | 20min | 'The revenue sharing contract with two substitutable productscoordination and limitations ' BY Wang Mingchao and Li Jun |
| Chair | Yunzeng Wang | ISME 1235 | 20min | 'Order Optimum Allocation Based on the Feedback of Supplier Performance' BY Gu Lili |
| | | ISME 1395 | 20min | 'The Cooperative Conditions of the Two-Stage Grain Supply chain with Grower and Processor Joint Building Inventory supported by Government' BY Zhijie Leng and Xinli Wang |

| Room B | Session | ID | Time | Title/ Authors |
|--------------------|-------------------|-----------|-------|---|
| 10:10-11:30 | Session 3B | ISME 1155 | 20min | 'A Efficient Hybrid Method based on compressed bitmap for Mining Frequent Patterns' BY Fuzan Chen and Minqiang Li |
| | Service Science 2 | ISME 1205 | 20min | 'A Novel Two-Stage Scheme built upon clustering for Sequential Pattern Mining' BY Qianwen Yang, Jisong Kou, Fuzan Chen, Minqiang Li |
| Chair | Sadaaki Miyamoto | ISME 1975 | 20min | 'Automatic Fatigue Detection of Drivers through Real time Eye Tracking' BY Tayyaba Azim, M. Arfan Jaffar, Anwar M. Mirza |
| | | ISME 2255 | 20min | 'Combined Data Mining techniques for exploring the preference of customers between financial companies and agents based on TCA' BY Sheng- Kai Fang, Gwo-Hshiung Tzeng |

| Room C | Session | ID | Time | Title/ Authors |
|--------------------|--------------------|-----------|-------|--|
| 10:10-11:30 | Invited Session 08 | ISME 1616 | 20min | 'A Study on Wind Speed Prediction using Artificial Neural Network at Jeju Island in Korea' BY Liang Wu, Jeongje Park, Jaeseok Choi, Kwang Y. Lee, A(Rahim) A. El-keib and Junzo Watada |
| Chair | Hwachang Song | ISME 1617 | 20min | 'DC Load Flow Method considering Movement of Electric Trains' BY Hansang Lee, Jiyoung Song, Changmu Lee, Hanmin Lee, Gilsoo Jang, and Gildong Kim |
| | | ISME 1618 | 20min | 'Generation of Multiple Contingency Scenario Using Network Centrality' BY Hwachang Song, Rodel D. Dosano and Byongjun Lee |
| | | ISME 1619 | 20min | 'Fuzzy Set Theory based Generator Maintenance Scheduling' BY Jeongje Park, Liang Wu, Jaeseok Choi, Junmin Cha, and Kwang Y. Lee |

11:30-13:30 Lunch

| Room A | Session | ID | Time | Title/ Authors |
|--------------------|----------------|-----------|-------|--|
| 13:30-15:30 | Session 4A | ISME 1735 | 20min | 'Flexible Logistics Design for Electric Appliance by Using Evolutionary Approaches' BY Xin Li, Lin Lin and Mitsuo Gen |
| | Supply Chain 2 | ISME 1755 | 20min | An Implementation Approach of Knowledge Sharing in Supply Chains BY Chenghong Zhang, Jiewei Zhang and Zhengchuan Xu |
| Chair | Amy Z. Zeng | ISME 1765 | 20min | 'A Global Supply Chain Network Equilibrium Model with Stochastic Currency Choice' BY Li Zhu, Lindu Zhao and Xiaoling Fu |
| | | ISME 1825 | 20min | 'Research on supply chain coordination mechanisms with variable unit production cost ' BY Mi Zhou, Lindu Zhao |
| | | ISME 1715 | 20min | 'Research on payment problem of transportation cost in two-echelon decentralized supply chain ' BY LIU Gui-Qing and ZHOU Yong-Wu |
| | | ISME 2365 | 20min | 'A Novel Quadratic Programming Based Fuzzy Regression Analysis for Multiple Generation Product Life Cycle Prediction" BY Chi-Yo Huang, Gwo-Hshiung Tzeng |

| Room B | Session | ID | Time | Title/ Authors |
|--------------------|----------------|-----------|-------|--|
| 13:30-15:30 | Session 4B | ISME 1705 | 20min | 'A simulation analysis of nearest-neighbor rule for AS/RS under stochastic demand' BY Xinlu Ma, Lindu Zhao, Lothar Schulze |
| | Optimization 2 | ISME 1725 | 20min | 'Chaos Based Particle Swarm Optimization for Multiobjective Problems' BY Haichang Gao and Weizhou Zhong |
| Chair | Mika Sato-Ilic | ISME 2275 | 20min | 'Swarm Optimization with the Concept of Fish Migration' BY Yu-Bin Liao, Hsiang-Cheh Huang, Jeng-Shyang Pan and Pei-Wei Tsai |
| | | ISME 2095 | 30min | 'Reduction of Processing Times for Temporal Subtraction from the Thoracic MDCT Image Employing Octree Algorithms' BY Shinya Maeda, Hyoungeop Kim, Yoshinori Itai, Joo Kooi Tan, Seiji Ishikawa and Akiyoshi Yamamoto |
| | | ISME 1335 | 30min | 'A Hybrid Grouping Genetic Algorithm Approach for Constructing Diverse Reviewer Groups in Group Decision Making ' BY Yuan Chen, Zhi-Ping Fan and Yi-Lei Liu |

| Room C | Session | ID | Time | Title/ Authors |
|--------------------|----------------------|-----------|-------|---|
| 13:30-15:40 | Invited Session 01-A | ISME 1655 | 20min | 'Design and Development of Semantic Search Engine using Ontology' BY V.Kalaivani and Kadarkarai Ramar |
| Chair | Kadarkarai Ramar | ISME 1686 | 20min | 'RESTORATION OF NOISY IMAGES USING FUZZY SIMILARITY FILTER ' BY V.Seenivasagam and Kadarkarai Ramar |
| | | ISME 1687 | 20min | 'Online News classification using HMM and SVM: A Comparative study' BY *S.Babu Rengarajn, Kadarkarai Ramar and K.G.Srinivasagan |
| | | ISME 1645 | 20min | 'Occlusion Detection and Handling in Multi Human Tracking for Video Surveillance Systems' BY Kadarkarai Ramar, V.Gomathi, and C.Annapoorani |
| | | ISME 1689 | 20min | 'Codeword Based Bi-Server Authentication and Key Exchange' BY N. Shanthi; Sheryl Kennedy; Kadarkarai Ramar; and L Ganesan |
| | | ISME 1685 | 30min | Automated detection of Blood Vascular structure in Retinal Images: A Novel Approach' BY K.Vimala, D.Manimegalai and D.Shanthi |

Coffee Break

Coffee Break

Coffee Break

| Room | Session | ID | Time | Title/ Authors |
|---------------|------------|-----------|-------|---|
| Room A | | | | |
| 15:50-17:30 | Session 5A | ISME 1255 | 20min | 'The Reaction of A-share Market to the Information Disclosure of Significant M&A Events: Demonstrative Analysis' BY Yong Li and Yong Mai |
| | Economics | ISME 1455 | 20min | 'Anonymity Control in k-Spendable Electronic Cash Scheme' BY Wang Qian and Huang Fan |
| Chair | Weijun Gao | ISME 2065 | 20min | Application of HU Theory to Stock Options ' BY Hu Zuguang and Hu Jing |
| | | ISME 2349 | 20min | 'Simulation of Urban Economy -Resource-Environment System Based on System Dynamics Model' BY Dongjie Guan and Weijun Gao |
| | | ISME 2405 | 20min | 'Application of Logistic regression Analysis of Home Mortgage Loan Prepayment and Default risk' BY Shiu-shia wu Lee, Jan-ye Kung and Cheng-Chung Wu |

| Room | Session | ID | Time | Title/ Authors |
|---------------|------------------------------|-----------|-------|--|
| Room B | | | | |
| 15:50-17:30 | Session 5B | ISME 1955 | 20min | 'INTELLIGENT REQUIREMENT PRIORITIZATION USING FUZZY SYSTEMS' BY Muhammad Ramzan, M. Arfan Jaffar, Arshad Ali Shahid |
| | Fuzzy Logic and Applications | ISME 2085 | 20min | 'A Method of Semi-Supervised Fuzzy c-Means with Reference Clusters ' BY Sadaaki Miyamoto and Mitsuaki Yamazaki |
| Chair | Hyoungseop Kim | ISME 2165 | 20min | 'Eugenic Bacterial Memetic Algorithm for Fuzzy Road Transport Traveling Salesman Problem' BY Péter Földesi, László T. Kóczy, János Botzheim, and Márk Farkas |
| | | ISME 2295 | 20min | 'Fuzzy Regression Model building through Possibility Maximization and Its Application' BY Yoshiyuki Yabuuchi, Junzo Watada |
| | | ISME 2350 | 20min | 'Fuzzy Cluster Number Selection Based On Alignment Of Similarities' BY Mika Sato-Ilic and Di Wu |

| Room | Session | ID | Time | Title/ Authors |
|---------------|-------------------|-----------|-------|--|
| Room C | | | | |
| 15:50-17:30 | Session 5C | ISME 1215 | 30min | 'A matching approach for one-shot multi-attribute exchanges with incomplete weight information in E-brokerage' BY Zhong-Zhong Jiang , Zhi-Ping Fan and Yuan Yuan |
| | Decision Science2 | ISME 1515 | 30min | 'A fuzzy linguistic approach for service adoption analysis based on customers' expectation and perception' BY Bo Feng, Wen-Li Li, Zhi-Ping Fan, Yang Liu |
| Chair | Zhijie Leng | ISME 2395 | 30min | 'Performance Evaluation of IDMA System with Efficient Channel Coding' BY S.Tamilselvi, Jeyapal murugan and K. Ramar |
| | | ISME 1855 | 20min | Theories and Methods of Sub-optimum Based on Non-optimum Analysis' BY Ping He, Zengtang Qu, Libo Hou |

18:00–20:00 Banquet

7 August Friday

| Room | Session | ID | Time | Title/ Authors |
|---------------|----------------------|-----------|-------|--|
| Room A | | | | |
| 08:30-09:30 | Session 6A | ISME 1125 | 20min | 'Possibilistic Programming Decision Problems' BY Peijun Guo |
| | Decision Science 3 | ISME 1565 | 20min | 'An Estimation Method for Control Parameters in Decision Model Based on Least Point's Principle' BY Kaihong GUO and Wenli LI |
| Chair | Peijun Guo | ISME 2245 | 20min | 'Simulation of Change of Production Efficiency Based on FDI Path Identification' BY Bing Xu, Juying Zeng, Junzo Watada |
| Room M | Invited Session 01-B | ISME 1690 | 30min | 'Contrast Enhancement for Images Adaptive-Approaches : A Survey' BY M.Sundaram, Kadarkarai Ramar |
| 08:30-09:40 | | ISME 1675 | 20min | 'An Effective Image Retrieval System using Hybrid Approach' BY S.Rathnaji, S.SankarGanesh, D.Manimagelai, K.Rama |
| Chair | Kadarkarai Ramar | ISME 1688 | 20min | 'Token Based Network Layer Security in Mobile Ad Hoc Networks' BY N. Shanthi, T. Anbarasan, Kadarkarai Ramar, and L. Ganesan |

| Room | Session | ID | Time | Title/ Authors |
|---------------|-------------------------|-----------|-------|--|
| Room B | | | | |
| 08:30-09:30 | Session 6B | ISME 1325 | 20min | 'Impact of Synergy between IT and Business Process on Organizational Performance: A Perspective of Ambidexterity Theory' BY Hong LING, Fuchun ZHAO, and Youwei WANG |
| | e-Commerce & m-Business | ISME 1445 | 20min | 'A Novel Theory of Business Process Virtualization on E-commerce' BY Daocheng Hong, Hong Ling, and Yangmei Li |
| Chair | Kaiming Wang | ISME 1815 | 20min | 'Simulation Research on Resource Deployment of Logistics Distribution System under Mobile Business Environment' BY Xuping Wang, Kai Zhang, Xiaoyan Zhang and Deli Yang |

| Room | Session | ID | Time | Title/ Authors |
|---------------|------------|-----------|-------|--|
| Room C | | | | |
| 08:30-09:30 | Session 6C | ISME 1345 | 20min | 'Research on the Policy Optimization Based on System Dynamics Model ' BY Xu Li, Ying Qian, Xuping Wang, and Qifan Wang, |
| | Control | ISME 1585 | 20min | 'An approach to analysis of development iteration based on feedback control theory in a dynamic environment' BY Ren-bin Xiao and Ting-gui Chen |
| Chair | Rubiyah | ISME 2175 | 20min | 'Robust Signature Verification based on Multiple Classifiers' BY Marzuki Khalid, Hamam Mokayed and Rubiyah Yusof |

Coffee Break

| Room | Session | ID | Time | Title/ Authors |
|---------------|---|-----------|-------|---|
| Room A | | | | |
| 09:50-10:50 | Session 7A Fuzzy Logic and Applications 2 | ISME 1835 | 30min | 'A medical diagnosis based on interval-valued intuitionistic fuzzy sets' BY Jeong-Yong Ahn, Soon-Ki Kim, Chong-Deuk Lee, Sun-Young Oh |
| Chair | Xu Li and Qian Wang | ISME 1845 | 30min | 'A streaming service based on partition and mapping of media block segments' BY Chong-Deuk Lee, Taeg-Won Jeong, Jeong-Yong Ahn |

Coffee Break

| Room | Session | ID | Time | Title/ Authors |
|---------------|----------------------------------|-----------|-------|---|
| Room B | | | | |
| 09:50-11:00 | Invited Session 05 | ISME 1605 | 20min | Case Study of Building Customer Experience and Technology Management at the Traditional Company “Shoyeido” ' BY Takao Someya and Shin'ya Nagasawa , |
| Chair | Shin'ya Nagawawa and Taski Kanda | ISME 1606 | 20min | 'Managerial Characteristic and Customer Experience at the Long-Standing Company of Kyoto Inn “Tawaraya” BY Yusuke Irisawa, Shin'ya Nagasawa |
| | | ISME 1607 | 30min | 'Kansei Engineering and Development of Kansei Goods' BY Taki Kanda |

Coffee Break

| Room | Session | ID | Time | Title/ Authors |
|---------------|--------------------|-----------|-------|---|
| Room C | | | | |
| 09:50-11:10 | Invited Session 06 | ISME 1615 | 20min | 'Probabilistic Reliability Evaluation of Power Systems Including Wind Turbine Generators Considering Wind Speed Correlation' BY Liang Wu, Jeongje Park, Jaeseok Choi, and A. A. El-Keib |
| Chair | Hiroko Shoji | ISME 2157 | 20min | 'An Interaction Design Model for Financial analysis' BY Hiroo Inamura and Hiroko Shoji |
| | | ISME 2155 | 20min | 'A Systems Thinking Approach to Store Loyalty' BY Yuji Kosaka and Hisao Shiizuka |
| | | ISME 2145 | 20min | 'Consumer Process of Leading a Use of Mobile Service Modeling' BY Kei Masaki and Hisao Shiizuka |

11:30–13:00 Lunch