

## Workshop & Session Details

<b>Workshop W1A: Smart Society</b>	
Chairs: Prof. Koichi NAKADE & Prof. Yu SONG	
<p>Tuesday, Dec. 26</p> <p>14: 00-15:30</p> <p>Lan Yi hall on the 4th floor 四楼兰邑厅</p>	<p>An Approximate Optimization Algorithm in a Two-Stage Production and Inventory System with Advance Demand Information <b>Authors:</b> Nakade Koichi, Tsuchiya Shizuru</p>
	<p>Regression model for estimating thermal resource usage in air conditioning system -Daily demand forecast by potential integral method considering room's thermal inertia and weather condition <b>Authors:</b> Sho Ikawa, Kaoru Kuramoto, Satoshi Kumagai, Shuuzou Kishima</p>
	<p>The Application of p-median Model to the Location Problem of Hydrogen Refueling Stations in Fukuoka Area <b>Authors:</b> LIU Chao, SONG Yu, Tomio Ohno, FU Jing, NAKASHIMA Masataka, SUETSU Kazunori, PARK Minseon, KAMO Yuya</p>
	<p>A Total Optimization Model for Supply Balance of Electric Power Market Network <b>Authors:</b> Jing Sun, Yuna Mori, Koichi Nakade</p>
	<p>An analysis framework on manufacturing strategy under new policies in China <b>Authors:</b> Jian Wang, Qunzhi Wang, Hiroaki Matsukawa</p>
<b>Workshop W1B: Smart Society</b>	
Chairs: Prof. Koichi NAKADE & Prof. Yu SONG	
<p>Tuesday, Dec. 26</p> <p>15: 45-17:30</p> <p>Lan Yi hall on the 4th floor 四楼兰邑厅</p>	<p>An Optimal Location Strategy for Hydrogen Refueling Stations <b>Author:</b> Kai Zhang, Yu Song, Tomio Ohno, Jing Fu, Fumihiro Muraoka</p>
	<p>Meta-frontier eco-efficiency and its convergence analysis for China <b>Authors:</b> Yantuan Yu, Jianhuan Huang, Nengsheng Luo</p>
	<p>Influential Factors on China's Green Finance Development <b>Authors:</b> Jiawei Ma, Feng Xu</p>
	<p>Evaluation on Industrial Energy and Environment Efficiency of Urban Agglomeration in the Yangtze River Delta Based on Network DEA <b>Authors:</b> Wen-shan Zhang, Dan Liu</p>

<b>Session A1: System Engineering and Innovation Management</b>	
Chairs: Prof. Chunhui XU & Prof. Huchen LIU	
Tuesday, Dec. 26  14: 00-15:30  Min Zhu hall on the 4th floor 四楼民筑厅	Movie recommendation model based on movie viewers' feelings and the impressions obtained from movies <b>Authors:</b> Raito Tsukada, Kaoru Kuramoto, Satoshi Kumagai
	A Study on Analytical Method of Printer Data Log for Detecting Excellent Customers <b>Authors:</b> Shuheii Nakano, Kenta Mikawa, Masayuki Goto
	A Comparative Study on Human Modal Shift in Yokohama Region through Person Trip Big Data <b>Authors:</b> Ryutaro Fukuzaki, Ikou Kaku
	Verification of option pricing methods taking Nikkei 225 option as an example <b>Authors:</b> Hiroki Yamaguchi, Chunhui Xu, Masakazu Ando
	Modeling and analysis of portfolio selection problem with an uncertain investment period <b>Authors:</b> Yu Kudo, Chunhui Xu, Masakazu Ando
	Indices of market risk for investments with uncertain exit time <b>Authors:</b> Chunhui Xu, Yanli Huo, Takayuki Shiina
<b>Session A2: System Engineering and Innovation Management</b>	
Chairs: Prof. Chunhui XU & Prof. Huchen LIU	
Tuesday, Dec. 26  15: 45-17:30  Min Zhu hall on the 4th floor 四楼民筑厅	An exact algorithm based on preprocessing approach for re-synchronizing of bus network timetable <b>Authors:</b> Yifan Zhu, Yinghui Wu, Tianyu Cao
	Analytical Research and Discussion of the Idea of "Bring up Their Children for Old Age" for People in Taiwan <b>Author:</b> Chung-Hsiung Lin
	Binary Document Classification Based on Fast Flux Discriminant with Similarity Measure on Word Set <b>Authors:</b> Okubo Keisuke, Kumoi Gendo, Goto Masayuki
	A Conceptual Study of Management Innovation for Recent Market Characteristics <b>Authors:</b> Taison Fujimoto, Masaru Ishioka
	Innovation Management for Current Market Conditions <b>Authors:</b> Takumi Kobayashi, Masaru Ishioka
	A Large Group Decision-Making Analysis Method of Considering Public Participation <b>Authors:</b> Xuanhua Xu, Xintong Luo
	Default Number Prediction in Japan by Financial/Economic Index and Granger's Causality among Index <b>Author:</b> Tadashi Ono

<b>Session B1: Business Management</b>	
Prof. Fujun LAI & Prof. Mina RYOKE	
Tuesday, Dec. 26  14: 00-15:30  Xin Rui hall on the 4th floor 四楼心锐厅	Selection and Effectiveness of Management Accounting in Japanese Companies <b>Authors:</b> Noboru Ogura, Keita Tanahashi
	Relationship between CSR and financial performance : Literature review and perspective <b>Authors:</b> Shohei Natsume, Ling Feng
	Risk Analysis of Business Relevance and Diversification Level <b>Authors:</b> Ryuta Tsubouchi, Ling Feng
	Earnings forecast and R&D expenditure <b>Authors:</b> Ryota Takahashi, Ling Feng
	Importance of Transfer Price for Companies with Global Production Networks <b>Authors:</b> Jiahua Weng, Qian Huang, Kingen Ikeda, Hisashi Onari
	Study on Strategy Concept of Product/Service Differentiation with Value-in-Use <b>Authors:</b> Wataru Tana, Masaru Ishioka
<b>Session B2: Business Management</b>	
Prof. Fujun LAI & Prof. Mina RYOKE	
Tuesday, Dec. 26  15: 45-17:30  Xin Rui hall on the 4th floor 四楼心锐厅	Interactions between Product Architecture and Outsourcing to Firm Performance <b>Author:</b> Hirotooshi Kambara
	A Comparative Analysis of Factors Affecting the Users' Behavior to Disclose Information on Social Networking Site Facebook: Bangladesh, Japan and Malaysia <b>Authors:</b> Abdul Jalil, Mina Ryoke
	Diversification Strategies and Performance of the Chinese Hotel Industry: An Application of the Bootstrapped Truncated Regression Model <b>Authors:</b> Xiaoying Guo, Wei Wei, Yang Li
	The Brave versus The Reckless: Entrepreneurial Overconfidence And Corporate Financing Decisions <b>Author:</b> Weixi Liu
	Research on the Relationship between P2P Platform and Borrowers from the Perspective of Agency by Agreement <b>Author:</b> Wannan Li
	Dynamic Incentive Remuneration Design for Functional Recovery Care <b>Authors:</b> Masaru Unno, Hua Xu, Hiroaki Mukaidani

<b>Workshop W2A: Cellular Manufacturing &amp; Seru Production</b>	
Chairs: Prof. Jiafu TANG & Prof. Gursel SUER	
Wednesday, Dec. 27  8: 30-10:00  Lan Yi hall on the 4th floor 四楼兰邑厅	A Study on Human Related Issues in Seru Production System <b>Authors:</b> Xinyi Zhang, Ikou Kaku
	Seru Production Systems in Japan: Current Situation and Issues <b>Author:</b> Ikou Kaku
	the Trend of Robot Development applied in Seru Production System <b>Authors:</b> Kaku Ikou, Xinyi Zhang
	A discussion of the evolution of production systems <b>Author:</b> Yong Yin
	Minimizing Average Flow Time subject to Minimum Number of Cells and no Tardy Jobs <b>Authors:</b> Gursel Suer, Najat Al-Masarwah, Omar Alhawari, Casey Davis
	The effect of an exclusive-use line on line length in a mixed-model line <b>Authors:</b> Yusuke Taira, Haruki Matsuura, Akiko Asada, Kenji Hirano
<b>Workshop W2B: Cellular Manufacturing &amp; Seru Production</b>	
Chairs: Prof. Jiafu TANG & Prof. Gursel SUER	
Wednesday, Dec. 27  10:15-12:00  Lan Yi hall on the 4th floor 四楼兰邑厅	A mixed-model line, single-model lines, or a hybrid line? Evaluating a hybrid mixed-model assembly system with partial single-model lines <b>Authors:</b> Ryo Ito, Haruki Matsuura, Akiko Asada, Kenji Hirano
	An effect of introducing a bypass subline on total throughput time in a mixed-model assembly <b>Authors:</b> Kenji Fukuhara, Sho Matsuura, Haruki Matsuura, Akiko Asada and Kenji Hirano
	Application of Outlier Detection to Assessment of Workers' Aptitude in Cell Production based on the Five Factor Model of Personality <b>Author:</b> Yanwen Dong
	Consideration of Skills in Assembly Lines and Seru Cells <b>Authors:</b> Md Abdullah and Gursel Suer
	Comparing Operational Factors of Seru and Assembly cell <b>Authors:</b> Gursel Suer, Azadeh Sadeghi

<b>Session C1: Management Science and Green Management</b>	
Chairs: Prof. Dongling XU & Dr. Lei ZHANG	
Wednesday, Dec. 27  8: 30-10:00  Min Zhu hall on the 4th floor 四楼民筑厅	On a Degradation Model based on the Generalized Inverse Gaussian Processes <b>Authors:</b> Reona Tamaru, Hideki Nagatsuka
	Influencer Identification Method and Information Diffusion Model Using an SNS Connection Map and Centrality Index <b>Authors:</b> Ehara Taisuke, Kaoru Kuramoto, Satoshi Kumagai and Ryo Iwata
	Transfer Learning Based on Probabilistic Latent Semantic Analysis for Analyzing Purchase Behavior Considering Customers' Membership Stages <b>Authors:</b> Tianxiang Yang, Gendo Kumoi, Haruka Yamashita, Masayuki Goto
	Bayesian Analysis of the Dynamic Relationship between GDP and Commercial Sales in Japan <b>Authors:</b> Koki Kyo, Hideo Noda
	Optimum Placement of Extremely Low Power Radio Station with Consideration of Radio Wave Propagation Loss in GPS Wanderer Detection System <b>Authors:</b> Takayuki Suzuki, Risa Takahashi, Yoshiyuki Higuchi, Shinichi Uchida
	Information Diffusion Game with Revealed Preferences: An Application to 2016 Presidential Election in U. S. <b>Authors:</b> Hideyuki Fujii, Jing Fu, Yu Song
<b>Session C2: Management Science and Green Management</b>	
Chairs: Prof. Dongling XU & Dr. Lei ZHANG	
Wednesday, Dec. 27  10:15-12:00  Min Zhu hall on the 4th floor 四楼民筑厅	DNDEA model with future performance for regional eco-efficiency analysis <b>Author:</b> Wendi Ouyang
	Design of Guiding Evaluation Index System for Manufacturing SMEs with Characteristics of "Professional, Fine, Special and Novel": An Empirical Analysis Based on the 200 "Hidden Champions" Enterprises in Suzhou <b>Author:</b> Tianshu Xu
	Forecasting Method of Investment Amount Based on Weka Data Mining Platform <b>Authors:</b> Jingjing Jiao and Sen Wu
	A Sustainable Consideration on One Belt, One Road Development Strategy for Japanese Industries <b>Authors:</b> Mizuki Igarashi and Ikou Kaku
	The Economic Geography of the Decontamination Project in Fukushima : 6 years later <b>Authors:</b> Noritsugu Fujimoto and Meishan Piao
	Study on Management of Brand Innovation Virtuous Cycle with IoT <b>Authors:</b> Atsushi Kimoto and Masaru Ishioka
	Incomplete Pairwise Comparison Fuzzy Evaluation Model Considering reliability and convenience <b>Authors:</b> Kaoru Kuramoto, Satoshi Kumagai and Takahiro Ohno

<b>Session D1: Logistics Management and Industrial Engineering</b>	
Chairs: Prof. Jianbo YANG & Dr. Zhen ZHANG	
Wednesday, Dec. 27  8: 30-10:00  Xin Rui hall on the 4th floor 四楼心锐厅	Pricing Decisions for Remanufactured Products in a Closed-Loop Supply Chain <b>Authors:</b> Takumi Nanasawa and Yasutaka Kainuma
	Optimizing Disaster Relief Goods Distribution Focusing on Equality <b>Authors:</b> Mizuki Matsuyama, Jun-Ya Gotoh, Wenhe Yang and Soemon Takakuwa
	Optimizing Locations of Hydrogen Refueling Stations by Using the p-center Method <b>Authors:</b> Shuai Shao, Yu Song and Tomio Ohno
	An Experimental Study on Traveler's Dilemma <b>Authors:</b> Akifumi Ouchi and Jing Fu
	Modeling visual palatability of box-lunches based on outward appearance impressions <b>Authors:</b> Masanobu Sunakawa and Yanwen Dong
	Empirical Study on the Determination of Online Retail Sales in Goods Based on the Province Level Data of Mainland China <b>Authors:</b> Xueping Liu and Xiangyou Wu
<b>Session D2: Logistics Management and Industrial Engineering</b>	
Chairs: Prof. Jianbo YANG & Dr. Zhen ZHANG	
Wednesday, Dec. 27  10:15-12:00  Xin Rui hall on the 4th floor 四楼心锐厅	Joint optimization of ship inbound order and berth allocation in a one-way channel with tidal effect <b>Authors:</b> Hongxing Zheng, Yingxuan Zhao, Yunqiang Wu and Haidong Xu
	Integrated Discrete Berth Allocation and Quay Crane Scheduling Under One-way Channel at Container Terminal <b>Authors:</b> Hongxing Zheng and Yangqing Sui
	Kanban-based pull systems with advance demand information and flexible delivery <b>Author:</b> Xiaohua Wang
	A method using RFID for estimating position of indoor objects <b>Authors:</b> Yuya Tabuchi, Liang Shuyu, Zhang Mingyu, Atsuko Fumoto, Yasuhiro Kajihara and Takashi Shinzato
	A Recommendation System Based on NMF Approach for Solving Cold Start Problem <b>Authors:</b> Xiaoyan Zhang, Sei Okayama, Haruka Yamashita and Masayuki Goto
	Unsafe Condition and Behavior Analysis of Employment Injuries for Construction Machinery Maintenance Works <b>Authors:</b> Naoko Kanazawa, Zhanyuan Jing, Hideki Hamada and Yoshiyuki Higuchi

<b>Session E1: Evaluation Theory and Method</b>	
Chairs: Prof. Ying-Ming WANG & Dr. Lei ZHANG	
Wednesday, Dec. 27  14: 00-15:30  Lan Yi hall on the 4th floor 四楼兰邑厅	Contingent Valuation of Forest Environmental Resource based on Effectiveness Improvement: Taking Minjiang River Basin as An Example <b>Authors:</b> Chang-ning GUO, Jian-zhou YANG
	Evaluation of infrastructure investment efficiency based on the DEA-Malmquist index <b>Authors:</b> Yongchun Liu and Suxia Wang
	Research on Operational Efficiency of Large - scale Airport in China Based on Generalized DEA Method <b>Author:</b> Duan Liu
	Evaluation of Operation Efficiency of Logistics Industry in the provinces along the Maritime Silk Road—Based on Windows Network SBM Model <b>Author:</b> Duan Liu
<b>Session E2: Evaluation Theory and Method</b>	
Chairs: Prof. Ying-Ming WANG & Dr. Lei ZHANG	
Wednesday, Dec. 27  15: 45-17:30  Lan Yi hall on the 4th floor 四楼兰邑厅	An Evaluation Method of Emergency Material Support Capability Based on Prospect Theory <b>Authors:</b> Junkang He, Min Yang and Chenpeng Feng
	Evaluation of Sustainable Development of Oil and Gas Industry in Shandong Province Based on Combination Evaluation Method <b>Authors:</b> Zhilin Yu, Hao Ding, Jie yang, Zhengmi Zhang
	Enterprise Performance Management in Big Data Era <b>Author:</b> Hong Jiang
	Dynamic combinational multiple attribute decision making methods based on sorting <b>Authors:</b> Lin-ming XU, Mei-juan LI, Yan Lu, Shuo-han WU

<b>Session F1: Supply Chain Management</b>	
Chairs: Prof. Xuanhua XU & Dr. Jian MIN	
Wednesday, Dec. 27  14: 00-15:30  Min Zhu hall on the 4th floor 四楼民筑厅	Evacuation Strategy of Emergent Event in Metro Station based on ELECTRE <b>Authors:</b> Yanlan Mei, Kefan Xie
	Research on coordination of dual channel supply chain considering free riding <b>Author:</b> Yuanyuan Chen
	Overview of Research on Dual-Channel Supply Chain Management <b>Author:</b> Yingying Li
	Research on Unified Procurement and Storage Strategy For Complex Product in a Networked Collaborative Manufacturing <b>Authors:</b> Jie Zang, Lili Song and Xiaoli Li
	Study on Internet Finance Credit Data Sharing Model Based on Block Chain Technology <b>Authors:</b> Maoran Zhu and Xin Liu
<b>Session F2: Supply Chain Management</b>	
Chairs: Prof. Xuanhua XU & Dr. Jian MIN	
Wednesday, Dec. 27  15: 45-17:30 Min Zhu hall on the 4th floor 四楼民筑厅	A Comparison Study of Outpatient Visits Forecasting Effect between ARIMA with Seasonal Index and SARIMA <b>Authors:</b> Bo Zhou, Xinxiang Zhang and Huijuan Fu
	Research on the solvability of connotative error matrix set equation <b>Authors:</b> Kai-zhong Guo, Ran Li, Jian-xin Li
	The evolvement of heuristics and meta-heuristics in the GIScience <b>Author:</b> Minrui Zheng
	Research on Application of Maximum Match based on Trie Tree: A Case Study <b>Author:</b> Yao Yao



<b>Session G1: Social Management</b>	
Chairs: Prof. Dongling XU & Shengqun CHEN	
Wednesday, Dec. 27  14: 00-15:30  Xin Rui hall on the 4th floor 四楼心锐厅	Effects of Emotion, Declared Time Pressure and Perceived Time Estimation on Individual Creativity <b>Authors:</b> Liang Hu, Weiwei Huo and Jing Nie
	Overview about operation and management pattern of abroad aerodynamic equipment <b>Authors:</b> Weiming Zhao, Lei Liang and Tingrui Yue
	Literature Review On “Spatial Distribution of Smart Specialization” <b>Authors:</b> Lin Wang, Shuhua Zhong
	The Research of Bancassurance Pricing Model under Uncertain Demand Conditions <b>Authors:</b> Zhu Zeqi and Wang Linyu
	Defining Industrial Clusters Based on Human Mobility Data from the Perspective of Social Networks <b>Authors:</b> Shaodong Wang and Xiaoling Zhang
<b>Session G2: Social Management</b>	
Chairs: Prof. Dongling XU & Shengqun CHEN	
Wednesday, Dec. 27  15: 45-17:30  Xin Ru hall on the 4th floor 四楼心锐厅	The Game Theory Analysis on Enterprise Knowledge Sharing under the Background of "Internet +" <b>Author:</b> Lili Wang
	Research on the Strategy of Promoting Collaborative Management of Technical Standards and Technological Innovation in Jiangxi Province <b>Author:</b> Xiaoxue Chen
	Does going public affect corporate innovation? Evidence from China’s manufacturing firms in the GEM <b>Authors:</b> Yunhe Li, Yuwei Huang and Shengjie Ma
	Cyber-Physical System and Its Application in Textile and Chemical Fiber Enterprises <b>Authors:</b> Hui Ding and Chenggang Li