

November 8 (Saturday)

Room WS1		Room WS2	
10:00-10:15 Opening Ceremony			
Operations Management ST11		Production Management ST21	
Chair: Kenichi Nakashima (Kanagawa University)		Chair: Shing Liu (Vanung University)	
10:20-10:40	ST11-1 Joint Replenishment Problem with Can-Order Policy under Item Characteristics Keisuke Nagasawa, Takashi Irohara (Sophia University), Yosuke Matoba, Shuling Liu (Fairway Solutions Inc.)	ST21-1 The Optimization of Labor Linearity Problem from TFT-LCD Module Assembly Line Taho Yang (National Cheng Kung University), Peng-Sen Wang (Southern Taiwan University), Min-Chih Chang (National Cheng Kung University)	
10:40-11:00	ST11-2 Low-carbon and Economic Supplier Selection among Multiple Asian Countries with Estimation of GHG Emissions and Cost for Parts Production YutaYoshizaki, TetsuoYamada (University of Electro-Communications), Norihiro Itsubo (Tokyo City University), Masato Inoue (Meiji University)	ST21-2 Study on Target Productivity Calculation Method Considering Worker's Ability at Overseas Production Bases Kagehisa Nakayama, Hisashi Onari (Waseda University)	
11:00-11:20	ST11-3 A Study on the Effects of Client Company Information Analysis on the On-Site Logistics and Processes of the Supplying Company Masamitsu Kiuchi (Josai University), Kazushi Nagai (Tamagawa University), Kenichi Nakashima (Kanagawa University)	ST21-3 Fuzzy Measures for Fuzzy Sample Coefficient of Variation Shiang Liu (Vanung University)	
Logistics ST12		System Modeling ST22	
Chair: Moohong Kang (Korea Maritime Institute)		Chair: Xianda Kong (Tokyo Metropolitan University)	
11:30-11:50	ST12-1 Maritime Transportation Planning Based on Genetic Algorithm and Its Application Moohong Kang (Korea Maritime Institute)	ST22-1 Life and Reliability Evaluation of High-Power LED under Thermal Environment Yao Hsu (Kainan University), Wen Wu, Ching Zou (National Taiwan University)	
11:50-12:10	ST12-2 Deadlock Detection for Container Deliveries during Loading Operations in Container Terminals Ivan Kristianto Singgih, Soondo Hong, Kap Hwan Kim(Pusan National University)	ST22-2 A Basic Study on Limited-Bottom Line Happiness Model with Multiple Periods Xianda Kong (Tokyo Metropolitan University), Jianxin Liu (City University of Macau)	
12:10-12:30	ST12-3 Record-to-Record Algorithm for the Traveling Repairman Problem – An Application of Public Bike Repair Yu-Chuan Hsu, Ching-Jung Ting, Chi-Yuan Luo (Yuan Ze University)	ST22-3 A Simulation Model for Evaluating Forklift Dispatching Policies in Shipyard Bo Bea Kwon, Chung-Kyun Han (Pusan National University)	
Mathematical Model ST13		Production Technology ST23	
Chair: Xuewen Huang (Dalian University of Technology)		Chair: Xiaobing Liu (Dalian University of Technology)	
13:45-14:05	ST13-1 A Study on Recursive Assembly Relationship Checking Algorithm for BOM Based on Directed Graph Contraction Xuewen Huang, Zhao Xingye Zhao, Sun Na (Dalian University of Technology)	ST23-1 Research on the Milestones Takt Time Design and Application in the General-Assembly Shipbuilding Enterprise Xiaobing Liu, Guofu Shi, Chunliu Zhou (Dalian University of Technology)	
14:05-14:25	ST13-2 A Two-Stage Cooperation Game Model Study between Service Providers in Cloud Manufacturing Zhaoyang Bai, Lingli Shen, Guannan Zhang (Dalian University of Technology)	ST23-2 Research on the Informationize of Ship Repair Process Based on PM Xiaobing Liu, Li He, Zhancheng Li (Dalian University of Technology)	
14:25-14:45		ST23-3 Technologies of the Work Tickets Integration Based on Cost-traceable LIU Xiao-Bing, ZHANG Da-Qing, BO Hong-Guan, MENG Qiu-Nan, HUANG Xue-Wen (Dalian Univ. of Technology), XU Deng-Feng, LIANG Zhi-De(HTHX Science & Technology Co. Ltd)	
Keynote Speech Room 220			
15:15-16:15	Keynote Speech 1: Past and Present of Korean Institute of Industrial Engineers Professor Kap Hwan Kim (Pusan National University, Korea) Keynote Speech 2: CIIE and IEM Program in MOST Professor Ching-Jung Ting (Yuan Ze University, Taiwan)		
Special Speech Room 220			
16:20-17:00	Special Speech: From Asia, Supply Chain Innovation, for Supporting the MAZDA Structural Reform Plan Mr. Yasunobu Hiragouchi (Mazda Motor Corporation)		
17:15-18:45	Welcome Party (Daigaku-Kaikan Restaurant)		

November 9 (Sunday)

	Room WS1		Room WS2	
9:40-10:40	(JIMA session)			
	Procurement Logistics SU11		Management Technology SU21	
	Chair: Koichi Nakade (Nagoya Institute of Technology)		Chair: Hironobu Kawamura (University of Tsukuba)	
10:50-11:10	SU11-1 On Strengthening Procurement Management by "Dual Internal Control Method"	Xiaobing Liu (Dalian University of Technology), Haijun Liu (Dalian port technology Co., LTD.)	SU21-1 An Analysis of Purchasing and Browsing Histories on an EC Site Based on a New Latent Class Model	Masayuki Goto, Kenta Mikawa (Waseda University), Manabu Kobayashi (Shonan Institute of Technology), Shunsuke Horii, Tota Suko, Shigeichi Hirasawa (Waseda University)
11:10-11:30	SU11-2 Distribution Model of Disaster Relief Supplies by Considering Route Availability	Prudensy Opit, Koichi Nakade (Nagoya Institute of Technology)	SU21-2 A Multi-Period Model in Bankruptcy Prediction	Masahiro Koshika, Masanobu Matsumaru (Kanagawa University)
11:30-11:50	SU11-3 Developing an Order Quantity Allocation Model with the Consideration of Risks of Supply Quantity	Xiaobing Liu, Zhancheng Li, Liyuan Jiang, Li He (Dalian University of Technology)	SU21-3 Industrial Engineering Applications in Japanese-Style Inns	Yosuke Takada, Hironobu Kawamura (University of Tsukuba)
	Supply Chain Management SU12		Service/Strategy SU22	
	Chair: Takashi Irohara (Sophia University)		Chair: Kinya Tamaki (Aoyama Gakuin University)	
13:05-13:25	SU12-1 Analysis of Supply Chain Risk Management in the Japanese Automotive Industry	Munehiro Chino (Tokyo Metropolitan University), Yacob Khojasteh (Sophia University), Tetsuma Furuhashi (Takachiho University), Yasutaka Kainuma (Tokyo Metropolitan University)	SU22-1 Investigation and Research for Global Product Strategy through Industry-University Project Group Activities	Kinya Tamaki (Aoyama Gakuin University), Y.W. Park(University of Tokyo), T. Abe, S. Goto(Aoyama Gakuin University)
13:25-13:45	SU12-2 The Effect of Customers' Active Responses to Product Unavailability on Supply Chain Coordination and Establishment of Brand Loyalty	Hisashi Kurata, Berdymyrat Ovezmyradov (University of Tsukuba)	SU22-2 Real Time Measurement and Analysis of Iku-men Activities for Childcare Service Innovation and Challenge	Tetsuo Yamada, Shigehiro Sakurada (University of Electro-Communications), Masato Takanokura (Kanagawa University), Seiko Taki (Chiba Institute of Technology), Tasuku Sato (University of Electro-Communications)
13:45-14:05	SU12-3 Coordination of Supply Chains with Multiple Members	Ilkyeong Moon (Seoul National University), Xuehao Feng (Zhejiang University), Youngsoo Park (Seoul National University), Younghoon Lee (Yonsei University)	SU22-3 A Framework of Integrated PLM System for International Production Strategy and Production Development	Masahiro Arakawa (Nagoya Institute of Technology)
	Production Management SU13		Supply Chain / Logistics SU23	
	Chair: Chulung Lee (Korea University)		Chair: Etsuko Kusakawa (Osaka Prefecture University)	
14:15-14:35	SU13-1 Optimum Arrangement and Effective Usage in Emergency Evacuation for e-Bikes	Shinya Mizuno (Shizuoka Institute of Science), Yasuyuki Muramatsu(Yamaha Motor Co., Ltd.), Naokazu Yamaki (Shizuoka University)	SU23-1 Analysis of Supply Coordination with Returns Handling and Discount Sales under E-Commerce Environment	Etsuko Kusakawa, Daiki Fujisono (Osaka Prefecture University)
14:35-14:55	SU13-2 Integrated Inventory and Capacity Decisions with Lateral Transshipments	Ki-sung Hong, In-Chan Choi (Korea University), Ilkyeong Moon (Seoul National University), Chulung Lee (Korea University)	SU23-2 Modeling Facility Location by Optimizing Time Performance for Humanitarian Relief Logistics	Wapee Manopiniwes, Keisuke Nagasawa, Takashi Irohara (Sophia University)
14:55-15:15	SU13-3 Research on Quality Management System for Diesel Manufacturers Based on the "Internet of Things"	Xiaobing Liu, Zhenyu Deng (Dalian University of Technology)	SU23-3 Scheduling Inter-Terminal Transshipment in Container Ports	Hak Bong Kim, Kap Hwan Kim (Pusan National University)
	Optimization SU14		Product Development SU24	
	Chair: Ping-Hui Hsu (De Lin Institute of Technology)		Chair: Jiahua Weng (Waseda university)	
15:25-16:40	SU14-1 A Study on Rules of Three Untrained Workers' Assignment Optimization under the Limited-Cycled Model with Multiple Periods	Peiya Song, Xianda Kong, Hisashi Yamamoto (Tokyo Metropolitan University), Jing Sun (Nagoya Institute of Technology), Masayuki Matsui (Kanagawa University)	SU24-1 A Proposal of Product Functional Structure Model for Engineer-to-Order Production	Shingo Akasaka, Jiahua Weng, Hisashi Ohnari (Waseda University)
15:45-16:05	SU14-2 Optimal Ordering Decision of Supply Chain by Increasing the Intermediary	Ping-Hui Hsu (De Lin Institute of Technology), Hui-Ming Teng(Chihlee Institute of Technology)	SU24-2 A Hybrid MCDM Model for New Product Development in the LiFePO4 battery Industry Using FDM, ISM and FANP	Wen Chen, Li Wang (Chung Hua University)
16:05-16:25	SU14-3 Decisions for Products with Limited Production	Hui-Ming Teng(Chihlee Institute of Technology), Ping-Hui Hsu(De Lin Institute of Technology), Hui-Ming Wee(Chung Yuan Christian University)	SU24-3 Disruption Management for Complex Flow Shop Scheduling with Considering Behavior	Hong-guang Bo, Yu-tao Pan, Xin Zhang, Xiao-yan Ma (Dalian University of Technology)
17:15-19:15	Workshop Dinner (Saijo HAKUWA Hotel)			