

Conference Program

Date/Time	November 06, 2022
17:30-19:30 Registration Desk Open	18:00-19:30 - Welcome Dinner B2 Chang Rong I (長榮 I 廳)

Date/Time	November 07, 2022					
08:00-09:00 Registration Desk Open	O P E N I N G	B2 長榮 I 廳 B2 Chang Rong I				
09:00-09:30		Prof. Jeffrey Tsai (AU President) Prof. Remen CW Lin (Dean, AU) Prof. Kono (APIEMS President) Prof. Chen-Fu Chien (CIIE President) Prof. Morris Fan (IEM, MOST, Taiwan)				
09:30-10:00	Keynote Speaker	Prof. Stefan Minner EIC, IJPE Full Professor for Logistics and Supply Chain Management, Technical University of Munich (TUM), Germany "Data-driven process and inventory optimization in complex systems"				
10:00-10:30		Tea break				
10:30-12:00	Keynote Speakers	B2 長榮 I 廳 (B2 Chang Rong I)	Industry Speaker (30 mins) President Ching-Fang SHEN of Zeng Ding Tech Group Prof Anthony SF Chiu, EIC CRC, De La Salle University, Philippines "Remanufacturing in Circular Economy" Prof Kimhua Tan, University of Nottingham, United Kingdom			
12:00-13:30		B2 長榮 II 廳 lunch break				
13:00-15:15	IFPRAPR Meeting 文心廳 Wen-Xin	Parallel Section	A1	B1	C1	D1
		Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
		Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
		13:30-13:45	IEM125	IEM107	IEM051	MRI005
		13:45-14:00	IEM134	IEM121	IEM053	IEM007

		14:00-14:15	IEM145	IEM066	IEM062	IEM114
		14:15-14:30	IEM022	IEM112	MIS002	OTH025
		14:30-14:45	MRI012	IEM128	MIS005	IEM010
		14:45-15:00	IEM040	OTH031	IEM030	MISO007
		15:00-15:15	IEM041	OTH027	BM015	IEM069
15:15- 15:30	Tea break / posters					
	Poster Section	Poster ID: BM001; BM003; BM005; BM007; BM035; IEM005; IEM033; IEM103; IEM105; LIM001; MRI001; MRI004				
15:30-17:15	APIEMS Fellow & Board Meeting 文心廳 Wen-Xin	Parallel Section	A2	B2	C2	(Online)D2
		Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
		Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
		15:30-15:45	IEM044	IEM046	OTH029	MRI008
		15:45-16:00	IEM009	IEM060	IEM064	IEM110
		16:00-16:15	BM023	OTH030	IEM077	IEM055
		16:15-16:30	IEM086	IEM081	IEM011	MRI003
		16:30-16:45	IEM100	MISO010	IEM008	IEM013
		16:45-17:00	IEM079	MISO006	MISO015	IEM018
		17:00-17:15			OTH016	IEM038
18:00-19:30	Welcome party	APIEMS Board Dinner				

Date/Time	November 08, 2022			
Parallel Section	E1	F1	G1	(Online) H1
Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
08:00-08:15	IEM076	BM021	IEM031	IEM025
08:15-08:30	IEM083	BM030	IEM095	BM012
08:30-08:45	IEM085	BM037	IEM102	IEM126
08:45-09:00	IEM097	IEM049	IEM118	BM032
09:00-09:15	IEM101	IEM056	IEM132	BM040
09:15-09:30	OTH018	IEM074	IEM135	BM045
09:30-09:45	OTH022	IEM111	MISO008	BM046
09:45-10:00	IEM096	BM054	OTH006	BM050
10:00-10:30 Poster Section	Tea Break			
	Poster ID: BM002; BM004; BM006; BM008; IEM045; IEM104; IEM136; LIM004			

Parallel Section	E2	F2	G2	(Online) H2
Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
10:30-10:45	IEM063	OTH024	BM009	IEM027
10:45-11:00	IEM094	BM052	BM049	OTH021
11:00-11:15	IEM138	MRI007	IEM067	MSO018
11:15-11:30	MSO003	BM010	IEM073	MIS004
11:30-11:45	OTH008	BM053	IEM082	IEM020
11:45-12:00	OTH042	OTH009	MIS003	IEM115
12:00-13:30 B2 長榮 II 廳 : Lunch Break				
Parallel Section	E3	F3	G3	(Online) H3
Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
13:30-13:45	OTH033	OTH013	OTH023	IEM032
13:45-14:00	IEM078	OTH004	OTH020	IEM093
14:00-14:15	IEM057	OTH002	OTH015	BM027
14:15-14:30	MSO013	OTH005	OTH012	BM026
14:30-14:45	OTH017	OTH011	IEM016	BM028
14:45-15:00	OTH007	OTH010	IEM004	IEM039
15:00-15:15	BM019	BM022		IEM014
15:15-15:30				
15:00-15:30	Tea break Poster Section	IEM070; IEM071; IEM087; MIS009; OTH035; MIS001; MIS008; MRI010, OTH039		
Parallel Section	E4	F4	G4	(Online) H4
Presentation Room	桂冠 I 廳	桂冠 II 廳	漢口廳	中港廳
Presentation Room	Kuei-Kwan I	Kuei-Kwan II	Han-Kou	Zhong-Gang
15:30-15:45	MIS006	MRI009	IEM106	MSO019
15:45-16:00	MSO001	IEM068	MSO016	MSO020
16:00-16:15	MRI013	IEM017	BM020	IEM142
16:15-16:30	MRI014	IEM098	IEM084	IEM116
16:30-16:45	BM039	BM048	IEM119	IEM120
16:45-17:00	BM033	BM014	IEM021	MIS010
17:00-17:15				IEM052
18:00-19:30	Conference Dinner (Best Paper Awards)			

November 09, 2022 (Wednesday)	
中港廳(Zhong-Gang) (Online) W1	
08:00-08:15	MSO011
08:15-08:30	MSO002
08:30-08:45	MRI011
08:45-09:00	IEM065
09:00-09:15	IEM072
09:15-09:30	IEM035
09:30-09:45	IEM047
09:45-10:00	IEM037
10:00-10:15	OTH019
10:00-10:15	IEM026
10:15-10:30	Tea Break
中港廳(Zhong-Gang) (Online) W2	
10:30-10:45	MRI006
10:45-11:00	MIS011
11:00-11:15	IEM092
11:15-11:30	IEM034
11:30-11:45	IEM042
11:45-12:00	IEM036
Conference Closed	

Parallel Section

Parallel Section 1- November 07, 2022

Parallel Section	A1	Chair : IEM125 Wisnu Aribowo
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		
13:30-13:45	IEM125	A Batch Scheduling Model for A Batch Processor Producing Multiple Items with An Additional Setup Time to be Delivered at Different Due Dates Nita P.A Hidayat, Wisnu Aribowo, Abdul Hakim Halim
13:45-14:00	IEM134	Using meta-heuristics to solve a transportation scheduling problem in the steel-making industry Phatchara Sriphrabu, Chettha Chamnanlor, and Kanchana Sethanan
14:00-14:15	IEM145	AMIS for Multi-visit Scheduling and Routing of Multi-Heterogeneous Resources Rapeepan Pitakaso, Kanchana Sethanan, Chettha Chamnanlor, Natthapong Nanthasamroeng, Mitsuo Gen, Patthamaporn Boonthavee
14:15-14:30	IEM022	A Metaheuristic for Truck Scheduling Problem for Medical Logistics Feng-Chi Yen, Yu-Chung Tsao, Po-Kai Wang
14:30-14:45	MRI012	Reverse Engineering in Managing Technology and Innovations – Case Study in Aero Industry Nani Kurniati Putu Dana Karningsih, Rindi Kusumawardani
14:45-15:00	IEM040	A greedy randomized adaptive search procedure based scheduling algorithm for flexible manufacturing systems with multi-fixturing pallets Dong-Gi Sim, Dong-Ho Lee
15:00-15:15	IEM041	Optimal Renewable Energy Purchasing Strategy for RE100 Company under MILP model Zhi-Wei Fan, Hsin-Wei Hsu

Parallel Section	B1	Chair : IEM107 Truong Quynh Hoa
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
13:30-13:45	IEM107	An agent-based scheduling model for the job-shop environment under uncertain job arrivals Hong-Phuc Nguyen, Quynh-Hoa Truong, Thi-Phuong Nguyen, Thi-Hong-Ngoc Tran, Thi-Hong-Thuy-Ho
13:45-14:00	IEM121	Job Shop Scheduling based on Digital Twin Technology Under External Event Muhammad Usman Nisar, Anas Ma’ruf, Abdul Hakim Halim

14:00-14:15	IEM066	A multi-period capacity scalability planning algorithm for job-shop-type reconfigurable manufacturing systems with increasing demands Xuebin Li, Hyeon-II Kim, Dong-Ho Lee
14:15-14:30	IEM112	Hybrid genetic algorithm for Evacuation Route Planning of Flood Disaster Victims Kanchana Sethanan, Thitipong Jamrus and Sirorat Pattanapairoj
14:30-14:45	IEM128	Comparison study of motion detecting algorithms on the application of motion and time study Anintaya Khamkanya, Sirapop Thongampa, Narawadee Sitthidetchtamrong, Sirorat Pattanapairoj
14:45-15:00	OTH031	Development of wake-up support system based on individual characteristics Sakiko Ogoshi, Mimir Nakano, Kotoko Tanaka, Yasuhiro Ogoshi, Akio Nakai
15:00-15:15	OTH027	Development of an educational support system based on individual characteristics to support people with a tendency to procrastinate Ayumu Iwamoto, Akari Hayashi, Tatsuya Murahashi, Sakiko Ogoshi, Yasuhiro Ogoshi

Parallel Section	C1	Chair : IEM053, Bin Zhang
Presentation room: 漢口廳		
Presentation room : Han-Kou		
13:30-13:45	IEM051	NoDust: Noisy Data Query Strategy Enhanced by Weak Supervised Learning Linxin Song, Tianxiang Yang, Masayuki Goto
13:45-14:00	IEM053	A multi-agent framework for dynamic dispatching and preventive maintenance based on a deep learning approach Bin Zhang, Yu-Hsiang Chang, Cheng-Hung Wu
14:00-14:15	IEM062	Supervised and Unsupervised Encoding Methods of Categorical Variables for Prediction Performance Enhancement Yun-Hao Yang; Jakey Blue
14:15-14:30	MIS002	A Neutral Sentiment Recognition for Sentiment Analysis – A Case of Chinese and English Movie Reviews Ming-Shien Cheng, Tzu-Fan Yuan, Yu-Chih Kao
14:30-14:45	MIS005	Proposal for a data analysis method using Bayesian networks to link medical, health, and nursing care Haruka Ohba, Tomoya Higuchi, Yumika Miura, Shinya Mizuno
14:45-15:00	IEM030	Decision Support System for Cost Estimation via meta-learning in aerospace industry

		Tran Hong Van Nguyen, Chen-Fu Chien, Chung-Kai Chang
15:00-15:15	BM015	Efficient Effective Path Search Algorithm for Explainable Recommendation Based on Reinforcement Learning Guanyu Yang, Ryotaro Shimizu, Ayako Yamagiwa, Masayuki Goto

Parallel Section	D1	Chair: IEM114 Hennie Husniah
Presentation Room 中港廳		
Presentation Room Zhong-Gang		
13:30-13:45	MRI005	A Method for Embedding Representations of Customer Feelings for Product Images Ayako Yamagiwa, Masayuki Goto
13:45-14:00	IEM007	An Analytic Hierarchy Process to investigate key factors to improve customer retention rate of leisure farms under the experience economy structure Chang, Ping-Yu , Tseng, Hsiang-Yu
14:00-14:15	IEM114	Modelling and Analysis of Consumer Warranty Fraud Bermawi P. Iskandar, Yuniar A. Farhani, Rachmawati Wangsa Putra, Hennie Husniah
14:15-14:30	OTH025	The effect of social media Instagram usage motives on purchase intention- Moderating effects of perceived risk Su-Ping Yu, Shih-Cheng Li, Ying-Tong Guo, Sin-Tong Huang
14:30-14:45	IEM010	Multiple Treatment Effect Estimation for E-commerce Marketing Using Observational Data Yuki Tsuboi, Yuta Sakai, Ryotaro Shimizu, Masayuki Goto
14:45-15:00	MSO007	A Model for Estimating Consumer Expected Price in Fresh Fruits Direct Selling Kotomichi Matsuno, Yoshikuni Edagawa, Takahiro Ohno,
15:00-15:15	IEM069	Extraction of Fashion Themes Focusing Hashtags Based on Guided LDA Hiroya Furuta, Ryotaro Shimizu, Haruka Yamashita

Parallel Section 2 November 07, 2022

Parallel Section	A2	Chair: IEM044 Yung-Chia Chang
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		

15:30-15:45	IEM044	Application of Combined Reinforcement Learning and Variable Neighborhood Search of Genetic Algorithm in Solving Production Scheduling Problem of Unrelated Parallel Machines Te-Chi Kong, Yung-Chia Chang, Austin Lu
15:45-16:00	IEM009	Environment-adaptable Printed-Circuit Board Positioning using Deep Reinforcement Learning Carlos Solorzano, Du-Ming Tsai
16:00-16:15	BM023	Machine Learning Approach with SHAP Values for Analyzing Relationships among Products of Individual Stores Kodai Ishikura, Yuta Sakai, Masayuki Goto
16:15-16:30	IEM086	Machine Learning in Failure Modes and Effects Analysis Calvin K. Yu & Yi-Shan Jiang
16:30-16:45	IEM100	Combine Machine Learning and Process Capability Indicators for Process Parameter Tuning: A Case Study of Cable Injection Molding Chao-Lung Yang, Tzu-Hsien Chu, Guan-Ying Chen
16:45-17:00	IEM079	A VAE-based Deep Learning Anomaly Detection Model for Industrial Products with Heuristically Exploration Each Term Ratio of the Loss Function Shunta Nakata, Takehiro Kasahara, Hidetaka Nambo
17:00-17:15		

Parallel Section	B2	Chair: IEM046 Yi-Chun Chen
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
15:30-15:45	IEM046	Supply Chain Management During the COVID-19 Pandemic the Crisis and Counter Measures Yi Chun Chen, Ming-Lang Tseng
15:45-16:00	IEM060	Price Strategy in O2O Supply Chain for Sustainable Fashion Products: The Joint Effect of Purchase and Rental Behavior Ting WANG, Hisashi KURATA, Yang XIAO
16:00-16:15	OTH030	Devising a Sustainability Balanced Scorecard for Supply Chain Performance Evaluation Yasutaka Kainuma
16:15-16:30	IEM081	A supply chain model considering quality investment and carbon emission reduction investment Cheng-Ju Chuang
16:30-16:45	MSO010	Pricing Decisions in Dual-Channel Closed-Loop Supply Chains Considering Manufacturer's Corporate Social Responsibility Based on Hotelling Model

		Yang XIAO, Hisashi KURATA, Ting WANG
16:45-17:00	MSO006	A Profit Maximization Model with Rent-to-own Contract Wang Yitong, Kimitoshi Sato

Parallel Section	C2	Chair : OTH029 Che-chi Huang
Presentation room: 漢口廳		
Presentation room : Han-Kou		
15:30-15:45	OTH029	Remanufacture in Supply Chain Management: A Review Che-chi Huang*, Hsiao-Fan Wang, Ming-Chuan Chiu
15:45-16:00	IEM064	Exploring the strategy against the illegal distribution of software products Cheng-Han Wu , Netnapha Chamnisampan, Liou Sinz
16:00-16:15	IEM077	Deriving a hardness prediction model for a steel wire rod considering measurement error and imbalanced steel manufacturing data Pyo, S., Hur, S., Lim, S., Lee, D.
16:15-16:30	IEM011	A research to investigate promotion strategies and the optimal discount rate of various products in the department store – A case study of Mitsui outlet Chang, Ping-Yu, Chen, Chi-Ren
16:30-16:45	IEM008	A Simulation based investigation on determining the optimal order picking lot sizes in the distribution center with consideration of the shortest order picking path Chang, Ping-Yu, Tsai, Cheng-Wei
16:45-17:00	MSO015	Tourism Supply Chain Yosuke Yamamoto, Kimitoshi Sato, Yu Ogasawara
17:00-17:15	OTH016	Automated Manga Transcription System for the Visually Impaired Focusing on Speech balloons and Scenes Hiroshi Arai, Yuko Shimomura, Shuichi Seto, Hiroyuki Kawabe

Parallel Section	D2	Chair IEM004, Chia-Jung Wei
Presentation Room 中港廳		
Presentation Room Zhong-Gang (Online)		
15:30-15:45	MRI008	Pre-Production Necessary for Presentations Lontchi Claude Bernard; Yang Baochen; Shuaib Kabir Musa
15:45-16:00	IEM110	Radio frequency identification enabled supply chain management for the security of consignment policy Biswajit Sarkar, Rekha Guchhait, Mitali Sarkar, Jei-Zheng Wu
16:00-16:15	IEM055	Research on a movie rental recommendation system considering continually update based on Online-LDA HE SHUNYANG, Haruka Yamashita
16:15-16:30	MRI003	Impact of supply chain integration on firm performance among manufacturing companies in Nigeria: The moderating role of technological innovation. Veronica Nsidibe Inyang, Zhang Jian Xiong
16:30-16:45	IEM013	Change Point Detection for Multiple Linear Trend Changes Shuto Tanabashi, Yasuhiko Takemoto, Ikuo Arizono
16:45-17:00	IEM018	Design Procedures for Variable Sampling Inspection Plans with Screening Indexed by Modified Quality Loss Based on Importance of Squared Mean Deviation and Variance Kazushi Shirasu, Shuto Tanabashi, Yasuhiko Takemoto
17:00-17:15	IEM038	Reinforcement Learning Approach for Electric Vehicle Charging Scheduling Keonwoo Park, Ilkyeong Moon

Parallel Section 1: November 08, 2022

Parallel Section	E1	Chair: IEM083 Calvin K.
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		
08:00-08:15	IEM076	A Method for Scalable Inference of Hidden semi-Markov Model by Batch Learning Yosuke Takao, Ayako Yamagiwa, Haruka Yamashita, Masayuki Goto
08:15-08:30	IEM083	Equipment Predictive Maintenance Assistant: An Artificial Intelligence Approach Calvin K. Yu & Ying-Chih Chou
08:30-08:45	IEM085	Blockchain-enabled Consumption-Aware Incentive Mechanisms for Crowdsensing in Environmental, Social, and Governance Disclosure RACHANA HARISH Arjun

08:45-09:00	IEM097	A Mathematical Model for Inventory Minimization in Supporting Capacity Planning of a Dual Resource-Constrained Hybrid Flow Shop Muhammad Akbar, Takashi Irohara, Wisnu Aribowo, Fariz Muharram Hasby
09:00-09:15	IEM101	Blockchain-based 3D Printing Cloud Platform for Service Manufacturing Xinlai. Liu, George Q. Huang
09:15-09:30	OTH018	Powder Foreign Matters Segmentation and Domain Adaption: An Application of Generative Adversarial Network Ssu-Han Chen ,Yan-Ru Chen
09:30-09:45	OTH022	A Mixed-type Die Defect Classification System: An Application of Pseudo-labeling YUAN-TENG, CHANG, SSU-HAN, CHEN
09:45-10:00	IEM096	Modular Prefabricated Construction Building Production with Graduation Intelligent Manufacturing System Ding Haoran

Parallel Section	F1	Chair: IEM049 Sreerag Choorikka
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
08:00-08:15	BM021	Context Construction Based on Latent Dirichlet Allocation for Contextual Bandit Algorithm Ryota Matsunae, Ayako Yamagiwa, Masayuki Goto
08:15-08:30	BM030	Exploring Determinants of Digital Twin Adoption in Taiwan's in Small and Medium-sized Enterprises Hsu-Hwa Chang , Hsiang Fa Ling , Ming-Tsang Lu, Jia-Jhou Wu, Ming-Hui Wang
08:30-08:45	BM037	Spherical Fuzzy MCDM-Based Decision Support Model for Evaluating Global Augmented Reality Providers Phi-Hung Nguyen, Hong- Anh Pham
08:45-09:00	IEM049	A EPEC Equilibrium Model for Subsidizing Industries and Power company from the Green Tax Revenue Pool – A case study on Taiwan Sreerag Choorikka, Yu-Ching Lee, Hsin-Wei Hsu
09:00-09:15	IEM056	An Analytical Model of Users Switching Possibilities by Predicted Time to Step Up to Credit Card Users Ryogo Okubo, Yuta Sakai
09:15-09:30	IEM074	A Rivalry on Digital Products under Substitutable and Complementary Environment Cheng-Han Wu, Pandu Dwi Luhur Pambudi

09:30-09:45	IEM111	Design of Supply Chain Structure Using Simulation to Determine Effective and Efficient Distribution Center Rindi Kusumawardani, , Aufa Rais Rehaldy, Nani Kurniati, Putu Dana Karningsih
09:45-10:00	BM054	Evaluating the Satisfaction of Chinese Consumers toward Influencers at TikTok Noriyuki Suyama

Parallel Section	G1	Chair : IEM031 Pin-Hung Hsieh
Presentation room: 漢口廳		
Presentation room : Han-Kou		
08:00-08:15	IEM031	Improving the Accuracy of Stock Price Trend Prediction by Revising the Sliding Time Window Labeling Method Yeh-Chun Juan, Pin-Hung Hsieh
08:15-08:30	IEM095	A hybrid tandem model of time series and support vector regressor for thermal error compensation in machine tools Mingchang Chih, Chien-Wen Chen, Ching-Hsin Wang*, Chun-Chi Lien, and Nguyen Duong Thuy Trang
08:30-08:45	IEM102	The Dynamic-pricing for Used Electrical Products with Deep Neural Network Shinnosuke Terasawa, Kohei Otake
08:45-09:00	IEM118	A Simulation Study on the Robotic Mobile Fulfillment System of an Assembly Factory Warehouse Hendra Permana, Ching-Jung Ting, Hsien-Mi Meng
09:00-09:15	IEM132	Solving the Container Pre-marshalling Problem with Effective Heuristics Gabriela F. Travisany, Ching-Jung Ting
09:15-09:30	IEM135	DESIGNING OF DASHBOARD MONITORING BASED ON GOOGLE STUDIO USING USER CENTERED DESIGN METHOD TO MEASURE PROJECT PERFORMANCE AT PT. XYZ Yolla Syaidina Deozy, Wawan Tripiawan ,Ika Arum Puspita, Winda Maya F
09:30-09:45	MSO008	Optimal Pricing Policy in the Presence of Positive and Negative Network Effects Nako Iwaji, Kimitoshi Sato
09:45-10:00	OTH006	Prediction of Number of Chinese tourists visiting Japan using decision tree analysis Shota Na gata, Hidetaka Nambo, Aijun Liu

Parallel Section	H1 (ONLINE)	Chair : IEM025 Etsuko Kusukawa
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Presentation Room 中港廳 Zhong-Gang		
Presentation Room Zhong-Gang		
08:00-08:15	IEM025	Optimal Operation and Social Welfare Evaluation of a Dual-Channel Closed-Loop Supply Chain considering Government Intervention in Environmental Policy and CSR Etsuko Kusakawa and Yusuke Yashima
08:15-08:30	BM012	Data-driven Customer Journey Analysis using Process Mining Kangah Park, Minsu Cho, Yunhui Jang, Seungmin Chung, Minseok Song
08:30-08:45	IEM126	A comparison study between early and late multi-channel fusion Florence Leony and Chen-ju Lin
08:45-09:00	BM032	Typification of Purchasing Behavior in Shopping Mall Using Customer Shopping Path Mei Nonaka, Kohei Otake and Takashi Namatame
09:00-09:15	BM040	Building the cruise supply chain resilience hierarchy structure practices under the pandemic of COVID-19 Tsai Feng-Ming, Taufik Kurrahman
09:15-09:30	BM045	Effect of green marketing mix on consumers' purchase intentions and loyalty: A study in Chinese apparel market Dongyu DAI, Shika SONE, Yang XIAO
09:30-09:45	BM046	Role of influencers in driving cross-border e-commerce: A study of Japanese firms selling to Chinese customers Yatong XIAO, Motoi IHARA, Yang XIAO
09:45-10:00	BM050	Product-service system toward circularity: hierarchical framework in Indonesia's home appliance manufacturing industry under uncertainties Ming-Lang Tseng; Raditia Yudistira Sujanto; Viqi Ardaniah; Tat-Dat Bui; Shulin Lan; Yeneneh Tamirat Negash; Jiun-Wei Tseng

Parallel Section 2: November 08, 2022

Parallel Section	E2	Chair : IEM063 Januardi
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		
10:30-10:45	IEM063	Optimal Markdown Pricing in Food Supply-chain With Waste Reduction Efforts Januardi, Shi-Woei Lin
10:45-11:00	IEM094	Hyperparameter Tuning for Waste Water Processing Forecast Time-series Models Hao Huang and Min Hsu Wang

11:00-11:15	IEM138	Food Waste Management Analysis and its Forecasting: A Case Study from Indonesia Tsai-Chi Kuo, Muniroh
11:15-11:30	MSO003	Municipal solid waste management technological barriers under industry 4.0 practices: A hierarchical structure approach in Taiwan Tat-Dat Bui, Ming-Lang Tseng
11:30-11:45	OTH008	Interpersonal Space Perception under Different Target Conditions in COVID-19 Epidemic Period Yi-Lang Chen, Yi-En Lu, Hsin-Yu Kao, Yu-Hsuan Hsu, Andi Rahman, Yu-Chi Lee
11:45-12:00	OTH042	A Study on Sensory Experiment of Miyako Island Mangoes by Complementing Missing Data Based on DNMF Miyu Osaki, Haruka Yamashita

Parallel Section	F2	Chair : OTH024 Chuan-Ting Lee
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
10:30-10:45	OTH024	Scenario Analysis of the Effects of Carbon Taxes on Different Industries Based on Fuzzy Goal Programming with a Case of Taiwan Chuan-Ting Lee, Hsiao-Fan Wang, Yu-Ching Lee
10:45-11:00	BM052	The Strategy and Practices towards Industry 4.0 in the Circular Economy: Malaysian Palm Oil Perspectives Asma-Qamaliah , Mohd Helmi Ali, Lokhman Hakim Osman, Ming-Lang Tseng, Ming-Lim Kim
11:00-11:15	MRI007	The Effect of Carbon Governance, Carbon Emission Reduction on Environmental, and Economic Performance Huang-Chuang Chang , Shieh Liang Chen
11:15-11:30	BM010	The Influence of Institutional Pressures, Climate Change Perception on Carbon Reduction Emission Yi-Chih Lu and Shieh-Liang Chen
11:30-11:45	BM053	The Malaysian Palm Oil Adoption of Industry 4.0 in the Circular Economy Applications Asma-Qamaliah Abdul-Hamid , Mohd Helmi Ali, Kim Hua Tan, Ming-Lang Tseng, Benny Tjahjono
11:45-12:00	OTH009	Derivation of tourism activity ability of elderly people and promotion of travel Ayako Sawada

Parallel Section	G2	Chair : BM009 Hui-Ping Lai
Presentation room: 漢口廳		
Presentation room : Han-Kou		
10:30-10:45	BM009	Exploring whether the brand strategy should work jointly or independently with the Hsee evaluation model Shou-Chang Tsai ; Hui-Ping Lai ; Shu-Yu Wang
10:45-11:00	BM049	Bibliometric Analysis of Social Enterprises Literature: Revisit to Regroup Hisyam and Shi-Woei Lin
11:00-11:15	IEM067	Multi-item product forecasting using matrix-clustering techniques Che-Yu Hung, Chien-Chih Wang, Shi-Woei Lin, Bernard C Jiang
11:15-11:30	IEM073	How Tariff and Non-Tariff Barriers Affect a Manufacturer's Decision to Invest Shania Andea Perdana, Chieh Lee
11:30-11:45	IEM082	Graphical Analysis of Cost Behavior of Manufacturing Firms Applying the Concept of Cost Stickiness and Cost Elasticity Hirokazu Kono
11:45-12:00	MIS003	An Overview of Virtual Sample Generation with Industrial Applications Cai-Lin Huang*, Hsiao-Fan Wang, Yu-Ching Lee

Parallel Section	H2 (ONLINE)	Chair : IEM027 Etsuko Kusukawa
Presentation Room 中港廳		
Presentation Room Zhong-Gang		
10:30-10:45	IEM027	Optimal Operation and Social Welfare Evaluation of a Dual-Channel Closed-Loop Supply Chain considering Quality and Revenue-Cost Sharing Etsuko Kusukawa and Kokoro Abe
10:45-11:00	OTH021	A Case Study on the Capacity Planning of a Motor Assembly Line Yi-Chieh Hsieh, Wei-Tai Weng
11:00-11:15	MSO018	A Feature Selection Method Using Model-Based Clustering for Time-Series Demand Forecasting Hazuki Shibayama, Aya Ishigaki, Takasumi Kobe, Takaaki Nakamura, Takafumi Ueda, Daichi Arimizu
11:15-11:30	MIS004	Development of a Cloud Intelligent Machine Monitoring and Control System Li-Chih Wang, Kung-Ming Lan*, and Kang-Chu Fan
11:30-11:45	IEM020	Optimal Operation of Green Closed-Loop Supply Chains Considering Government Reward and Punishment Policy and Social Welfare Evaluation Yuki Yoneda and Etsuko kusukawa

11:45- 12:00	IEM115	A Study on the Relationship Between Fixation Time and Conspicuity Field in Appearance Inspection Utilizing Peripheral Vision Ryosuke Nakajima
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Parallel Section 3: November 08, 2022

Parallel Section	E3	Chair : IEM078 Kim Ji Min
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		
13:30- 13:45	OTH033	Estimation and Analysis of Patient Falls of Bed using Infrared Depth Sensors Fumiya Ishizu, Takuya Tajima
13:45- 14:00	IEM078	A review of data analysis methods for a metal rolling process control Kim, J., Song, H., Pyo, S., Hur, S., Lee, D.*
14:00- 14:15	IEM057	Supply chain fragility analysis considering transportation disruptions Natsuki Kikumoto, Shunichi Ohmori
14:15- 14:30	MSO013	Dynamic Pricing Strategy Based on Market Segmentation for Hotel Room Wataru Nugata Kimitoshi Sato
14:30- 14:45	OTH017	A Skeleton-based Fall Detection System for Single-person Working Regions Pai-Sheng Huang
14:45- 15:00	OTH007	Effect of mask coverage on facial identification for Taiwanese men and women Yi-Lang Chen, Su-Ping Yu, Cheng-Yu Wu, Shih-Cheng Li, Tai-Min Yu
15:00- 15.15	BM019	

Parallel Section	F3	Chair: OTH011 Hiroyuki Kawabe
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
13:30-13:45	OTH013	Support for childcare workers on inclusive education in early childhood in Japan Tomoko Okabe, Mika Edamura, Yuko Shimomura, Hiroyuki Kawabe
13:45-14:00	OTH004	Investigation of Singing Voice and Singing Ability for Infants in Inclusive Education Class Mika Edamura, Tomoko Okabe, Yuko Shimomura, Hiroyuki Kawabe
14:00-14:15	OTH002	Braille Translation System Neural Machine Translation Technology into Kana-Kanji mixed sentences - Conversion from Braille to context of "kanji and kana mixed" – Shuichi Seto, Hiroyuki Kawabe, Yuko Shimomura

14:15-14:30	OTH005	Number of visitors to Japan for business and Japan's total trade Takashi Oyabu
14:30-14:45	OTH011	Braille Translation System using Neural Machine Translation Technology III - Braille generation from Kana-Kanji mixed sentences – H. Kawabe, Y. Shimomura and S. Seto
14:45-15:00	OTH010	A Research of Applying Cooperative Learning Teaching Strategy on Learning Motivation and Effectiveness: A Case Study of the University of Technology's Organization Management during the COVID-19 Pandemic Su-Ping Yu , Tai-Min Yu
15:00-15:15	BM022	A New Analytical Model for Product Reviews Based on BERT Feature Extraction Koutarou Yamashita, Ayako Yamagiwa, Kyosuke Hasumoto, Masayuki Goto

Parallel Section	G3	Chair : OTH023 Willy Dharmawan
Presentation room: 漢口廳		
Presentation room : Han-Kou		
13:30-13:45	OTH023	Protein-Ligand Pair Interaction Prediction Using Wide Resnet For Virtual Drug Screening Willy Dharmawan, Pham Thi Loc, Nur Hamid, Hidetaka Nambo
13:45-14:00	OTH020	Application of 3D Convolutional Neural Networks and Explainable Artificial Intelligence to Whole-Body Magnetic Resonance Imaging of Patients with Multiple Myeloma to Predict Prognosis Kento Morita, Hiroyuki Takamatsu, Toshiki Terao, Takeshi Yamashita, Shigehiro Karashima, Kotaro Yoshida, Ryoichi Murata, Toshihiro Miyamoto, Kosei Matsue, and Hidetaka Nambo
14:00-14:15	OTH015	Support system to create a map in the head for blind children - Walking Simulator for Blind Children – Yuko Shimomura, Ryutaro Seki, Hiroki Wada, Naoki Asakawa
14:15-14:30	OTH012	Chest X-ray Drug-Resistant and Drug-Sensitive Tuberculosis Detection using Hybrid-Deep Learning-AMIS Chutinun Prasitpuriprecha, Rapeepan Pitakaso, Sarayut Gonwirat, Sirima Suvarnakuta Jantama, Thanawadee Preeprem and, Natthapong Nanthasamroeng
14:30-14:45	IEM016	Do Sleep Compression Stockings Effectively Reduce Lower-Limb Strains for University Students and Convenience Store Cashiers? Yi-Lang Chen, Pai-Sheng Huang, Che-Wei Hsu, Yuan-Teng Chang

14:45-15:00	IEM004	Applying Enhanced Super-Resolution Generative Adversarial Network on the Correction of Motion Artifact X-ray Image Ming-Chuan Chiu, Chia-Jung Wei, Jheng-Jie Li, Sin- Jie Huang, Yun- Fen Wei, Hsiao-En Tsai
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Parallel Section	H3 (ONLINE)	Chair : IEM032 Etsuko Kusukawa
Presentation Room 中港廳		
Presentation Room Zhong-Gang		
13:30-13:45	IEM032	Optimal Operation and Social Welfare Evaluation of a Dual-Channel Green Closed-Loop Supply Chain Considering Government Intervention and Service Free-Riding Behaviors of Consumers Takuhiro Shimogama, Etsuko Kusukawa and Masanobu Nakamoto
13:45-14:00	IEM093	Robust and sustainable closed-loop supply chain network design for employee fluctuation under disruption Keisuke Nagasawa, Katsumi Morikawa, Katsuhiko Takahashi
14:00-14:15	BM027	A Review of Live Streaming Commerce from The Business Model Perspective Fuyume, SAI
14:15-14:30	BM026	What Influence the Blockchain Technology Adoption: A literature Review based on Technology Acceptance Model Meiling ZENG and Fuyume SAI
14:30-14:45	BM028	Explore the Effect of Technology Innovation on Electronic Vehicle Development- Perspectives from Innovation-type Classification Kuo-Liang Chen, Shieh-Liang Chen
14:45-15:00	IEM039	The Relationship among Supply Chain Strategy, Supply Chain Resilience, and Supply Chain Performance under Environmental Risks Chia-Chun Hsieh, Shieh-Liang Chen and Kuo-Liang Chen
15:00-15:15	IEM014	Analytical Model Based on the Concept of Statistical Mechanics for M/M/1 Queueing System with Reneging Yudai Tagami, Ikuo Arizono

Parallel Section 4: November 8, 2022

Parallel Section	E4	Chair : MIS006 Atsushi Imanaka
Presentation Room: 桂冠 I 廳		
Presentation Room : Kuei-Kwan I		

15:30-15:45	MIS006	Development of Persona Creation Exercise Using Social Media in Information Design Education Atsushi Imanaka, Yoshiko Furusho, Shutaro Omachi
15:45-16:00	MSO001	Optimal Bundling Strategy for Nested Service Demand Yu Ogasawara, Kimitoshi Sato
16:00-16:15	MRI013	The role of Technological Distance Learning and Innovation Capability Regina Agustina, Wan-Lin Hsieh
16:15-16:30	MRI014	Indigenous Technological Capabilities: Crossing the Chasm through Transformative Innovation Jim Li Hui Hong, Kim Hua Tan
16:30-16:45	BM039	Critical Barriers to Augmented Reality (AR) Technology Adoption in Education: A Case Study from Vietnam Phi-Hung Nguyen, Phuong-Anh Le, Viet-Yen Nguyen, Tien-Phuong Nguyen
16:45-17:00	BM033	Relationship between Value Added Intellectual Coefficient (VAIC) Focusing on Human Capital and Future Profit : An empirical study from Japan Hiroki Iwamoto

Parallel Section	F4	Chair : MRI009 Yoshiko Furusho
Presentation room: 桂冠 II 廳		
Presentation room: Kuei-Kwan II		
15:30-15:45	MRI009	Pre-Production Necessary for Presentations Yoshiko FURUSHO, Atsushi Imanaka, Shutaro Omachi
15:45-16:00	IEM068	Estimating the Conditional Average Treatment Effect of a Time-Varying Treatment Using Causal Tree Methods in Marketing Kotaro Mamada, Haruka Yamashita
16:00-16:15	IEM017	Self-Reported Musculoskeletal Discomforts among Bus Drivers in Taipei Metropolis Area Yi-Lang Chen, Hans Alexander, Yi-Ming Hu
16:15-16:30	IEM098	The Impact of Consumer Reviews on Retailer's Strategic Inventory Decision Rizki Revianto Putera
16:30-16:45	BM048	Sustainability or Greenwashing? -- The Impact of Fast Fashion Industry CSR Strategy Orientation on Brand Equity Ya-Lan Chan, Sue-Ming Hsu, Yu-An Hsieh
16:45-17:00	BM014	Evaluating the Satisfaction of Chinese Consumers toward Influencers at TikTok Noriyuki Suyama

Parallel Section	G4	Chair : BM027 (Fuyume Sai)
Presentation room: 漢口廳 Han-Kou		
Presentation room : Han-Kou		
15:30-15:45	IEM106	An Artificial Neural Network Meta-model to Optimize the Sampling Inspection Frequency in the Bicycle Production System Che-Wei Chou, Wei-Cheng Chiu, Shang-Yi Fang, Pei-Ying He
15:45-16:00	MSO016	A Method of Demand Forecast Using Open Data Takasumi KOBE
16:00-16:15	BM020	Recommendation Item Selection Algorithm Considering the Recommendation Region in the Embedding Space Tomoki Amano, Ryotaro Shimizu, Masayuki Goto
16:15-16:30	IEM084	Supply chain network design to reduce clothing waste in the apparel industry Shinya Yamada, Shunichi Ohmori
16:30-16:45	IEM119	A Scheduling Model for A Hybrid of Flexible Flow Shop and Flexible Job Shop with Batch Processors to Minimize Makespan Dwi Kurniawan
16:45-17:00	IEM021	Design a two-way logistic network design for deteriorating items Feng-Chi Yen, Yu-Chung Tsao, Thuy Linh Vu

Parallel Section	H4 (ONLINE)	Chair : MSO019 Akane Hagimoto
Presentation Room 中港廳		
Presentation Room Zhong-Gang		

15:30- 15:45	MSO019	Status Quo Analysis of the Region Considering the Health Status of the Older People Obtained from the Kokuho Database and Geographical Information Akane Hagimoto
15:45- 16:00	MSO020	Simulation evaluation of bed management for COVID-19 patients Ryouma Tanaka, Takaki Nagao, Tetsuo Yamada, Masayuki Matsui
16:00- 16:15	IEM142	Exploring the Framework of Digitalized Circular Economy: The Circular Economy Business Model for Smart Manufacturing of Supply Chains of the Machine Factories Chih Han Chen, Ming chang Chih, Ching Hsin, Wang
16:15- 16:30	IEM116	Sustainable Supply Chain Management of Normal and Eco Suppliers: Adjusting Order Quantity Using Linear Physical Programming Jundai Koketsu, Aya Ishigaki, Hiromasa Ijuin, Tetsuo Yamada
16:30- 16:45	IEM120	An Integrated Mixed Integer Programming Model to Minimize the Number of Operators in Labour-intensive Cells Takayuki Kataoka, Katsumi Morikawa, Katsuhiko Takahashi
16:45- 17:00	MIS010	A study of Statistical Forecasting Method Concerning Water Demand of A Prefecture Yukio Maruyama and Yutaka Shirai
17:00-17:15	IEM052	Conflict Free Arc Routing Algorithm for Three Gantry-type Welding Robots

Online Presentation (Virtual): 9 November 2022

Online W1

Parallel Section		
Presentation Room: 中港廳		
Presentation Room : Zhong-Gang		
08:00-08:15	MSO011	Development of the Inventory Routing Problem for Disasters Considering Planned Transshipment and Secondary Storage Warehouses Tomoki Sanada, Aya Ishigaki, Hideki Yaginuma, Kenjiro Mori and Takumi Ito
08:15-08:30	MSO002	A Study of Disease Words Classification for Potential Anxiety Factors Extraction in Health Care Hiroki Koza, Yukio Maruyama, Yasuhiro Tsujimura and Yutaka Shirai
08:30-08:45	MRI011	A Proposal of Method to Innovate Infrastructure Maintenance and Repair Technology Atsunori SOMEYA, Manabu SAWAGUCHI, Masao ODA
08:45-09:00	IEM065	A Mixed Integer Linear Programming Model for Gas Turbine Maintenance Scheduling Problem Vincent F. Yu, Yueh-Sheng Lin, Panca Jodiawan, Meng-Duo He, Shih-Wei Lin
09:00-09:15	IEM072	A method for identifying abnormal operations and confirming the execution of dismantling work for end-of-life vehicles Kohei Kamogi, Kenta Miyahara, Fuyuto Toda, Katsuhiko Takahashi, Katsumi Morikawa, Keisuke Nagasawa, Kiyokazu Tanaka, Satoshi Okada, Shimpei Oyama, Reona Takamura, Masaki Otani, and Daiki Ishida
09:15-09:30	IEM035	Scheduling mixed-model assembly lines with task sharing Yuki Torigoe, Katsumi Morikawa, Keisuke Nagasawa, Katsuhiko Takahashi
09:30-09:45	IEM047	Optimal Operation and Social Welfare Evaluation for a Green Closed-Loop Supply Chain considering Carbon Emissions and Guarantee Periods under Government Intervention

		Kazuomi Uchida and Etsuko Kusukawa
09:45- 10:00	IEM037	Optimal Operation and Social Welfare Evaluation in a Dual-Channel Green Supply Chain considering Return Policy and Carbon Emissions Haruki Seto and Etsuko Kusukawa
10:00- 10:15	OTH019	Educational Concept of the Development of the Sharing Platform for Managing the Value Chain Yoshiki Nakamura, Masamitsu Kiuchi, Hiroyuki Kameda, Hiroshi Sakuta, Kinya Tamaki,
10:00- 10:15	IEM026	Socio-economic bi-objective optimization model for infection waste collection decisions with transshipment and disposal sites Prasit Kailomsom and Charoenchai Khompatraporn

Online W2

Parallel Section		Chair : MRI006 Kouki Oshita
Presentation Room: 中港廳		
Presentation Room : Zhong-Gang		
10:30- 10:45	MRI006	Impact of Knowledge Reabsorption on Knowledge Diversity Kouki Oshita, Takafumi Miyazaki, Noritomo Ouchi
10:45- 11:00	MIS011	Study of the Automobile Sales Forecast using Social Listening Hisaki GOTO
11:00- 11:15	IEM092	Predictions on process performances based on GNN Jiyeon Kim, Minsu Cho
11:15- 11:30	IEM034	Optimal Operation and Social Welfare Evaluation of Dual-Channel Green Supply Chain with 3PL under Government Environmental Policy Kaito Ueda and Etsuko Kusukawa

<p>11:30- 11:45</p>	<p>IEM042</p>	<p>Balanced order batching in bucket brigade order picking systems with non-identical pickers</p> <p>Xin Zhou, Keisuke Nagasawa, Katsumi Morikawa, Katsuhiko Takahashi, Daisuke Hirotani</p>
<p>11:45- 12:00</p>	<p>IEM036</p>	<p>Optimal Operation and Social Welfare Evaluation of a Dual-Channel Green Supply Chain considering Warranty Period and Carbon Emission Policies</p> <p>Yuki Tsukamoto and Etsuko Kusukawa</p>

Poster – 7 November 2022

Poster Section		Poster Section (Virtual Poster Room 中港廳 Zhong-Gang)
15:15-15:30	BM001	Quality Innovation and Value Elevation for Figure Skating Blades Industry Min Tsung Chen, Chun-Wei R. Lin, Yuh-Jiuan Parng
	BM003	Using Machine Learning to Predict the Trend of COVID-19 as the Basis for Decision-making on the Distribution of Emergency Pandemic Prevention Materials Min Tsung Chen, Chun-Wei R. Lin, Yuh-Jiuan Parng
	BM005	The Study of Customer Relationship Management based on Health Examination Database Using the Data Exploration Technology Yung Sheng Lai, Chun-Wei R. Lin, Yuh-Jiuan Parng, Kuan-Yu Lin
	BM007	Establishing Performance Evaluation Model for Local Pharmacies From the Perspective of Balanced Scorecard Shih Chieh Lin, Chun-Wei R. Lin, Hung-Chin Chu
	BM035	Relationship between Self-Control and Innovative Behaviour: The Mediating Effect of Career Adaptability and Moderating Effect of Work Flexibility Chih-cheng Lo, I-Chieh Hsu, Claire Wang
	IEM005	Constructing a Retailing Sales Forecasting Model Based on Data Mining Framework: An Empirical Study on Cold Drinks in Chain Store Sheng Yuan Hsu, Ya-Chen Hsu* and Tai-Hua Hsieh
	IEM033	Minimizing the order tardiness for a single-machine multiple-class customer order jobs problem by applying three meta-heuristics Kai-Xiang Hu, Win-Chin Lin, Chin-Chia Wu
	IEM103	The vulnerability of Instance Hiding scheme

		Yujin Choi, Jinseong Park, Seongwan Park, Seungju Lee, Woojin Jeong, Jaewook Lee
	IEM105	Causality of circular supply chain management in small and medium-sized enterprises using qualitative information: Waste management practices lead to technology infusion and diffusion Anh-Tan Phan, Muhamat Ridho Yuliyanto, Ming-Lang Tseng, Tat-Dat Bui
	LIM001	The Influences of Country of Origin Image and Trust for Blogs on Foreign Travel Intention – Moderating Effect of Travel Type Shou-Chang Tsai, Li-Yun Lee, Hung-Hsin Lin
	MRI001	The Rise of YouTube: A Dynamic Capabilities Perspective Bai, Zhen-sheng
	MRI004	The Influence of Institutional Factors and Consumer Behavior on Carbon Reduction in Taiwan Temples Chen Chung Wu, Shieh Liang Chen

Poster 1 – 8 November 2022

Poster Section		Poster Section (Virtual Poster Room 中港廳 Zhong-Gang)
10:00-10:30	BM002	Maintenance and Scheduling Planning Simulation based on Public Bicycle Big Data with Low Carbon Emission as an Indicator Min Tsung Chen, Chun-Wei R. Lin, Yuh-Jiuan Parng
	BM004	A Study of KANO Two-Dimensional Model with Quality Function Deployment to Improve Service Quality Yung Sheng Lai, Chun-Wei R. Lin, Yuh-Jiuan Parng, Chih-Sheng Wu
	BM006	The Study of Selecting Outsourcing Suppliers from the Perspectives of Schedule, Quality, and Flexibility Yung Sheng Lai, Chun-Wei R. Lin, Yuh-Jiuan Parng, Mei-Yun Hung

	BM008	The Decision-making of Location Selection for Non-chain Health Insurance Pharmacy Tzu Ting Chao, Chun-Wei R. Lin, Cheng-Hsin Kuo
	IEM045	TRIZ approach combined with human factors engineering in practical design and evaluation of bicycle handlebar Kai-Chao Yao, Kuo-Yi Li, Jing-Ran Xu, Sheu-Chu Hung, Wei-Sho Ho, Yao-Chung Cheng
	IEM104	Causality assessment of renewable energy policy in Thailand: The impact of economic amplification and policy integration to success policy implementation Anh-Tan Phan, Tanawan Kumpimpa, Tat-Dat Bui, Ming-Lang Tseng, Anthony SF Chiu
	IEM136	Application of Edge Vision System in Product Quality Inspection in the Production Line Yu-Ju Lin, Jhih-Yu Jhong, Chin-Yin Huang
	LIM004	Relationship between Family Support for Primary Caregivers of Autistic Children and their physical and mental development Shiou-Yun, Jeng Ying-Zhen, Wang

Poster 2 – 8 November 2022

Poster Section		Poster Section (Virtual Poster Room 中港廳 Zhong-Gang)
15:00-15:30	IEM070	Causality of circular supply chain management in small and medium-sized enterprises: Waste management practices lead to technology infusion and diffusion Shu-Xian Li, Ming-Lang Tseng*, Chun-Wei Remen Lin, Anthony SF Chiu

	IEM071	Constructing old residential areas reconstruction age-friendliness indicators in Beijing under the aging in place background using fuzzy Delphi method Shu-Xian Li, Ming-Lang Tseng*, Chun-Wei Remen Lin, Anthony SF Chiu
	IEM087	Operation scheduling for multiple hydroelectric dams with consideration flooding, delta salination Phan Nguyen Ky Phuc, Pham Quang Huy, Nguyen Ngoc Minh
	MIS009	Online Learning Pattern Analysis using Clustering Techniques Jongmin Gim, Minsu Cho, Kyudong Park
	OTH035	A Study on User Experience by Visual Feedback Design of Facial Recognition Application Sojung Gwak, Kyudong Park
	MIS001	Conceptual Data Flow Hierarchy Design of Internet of Things for Value Added Tax Collection and Detect Fraud in Ethiopian Tax Administration Bantayew Dessalegn Demeka, Prof. Zhen He
	MIS008	On the interpretability of sentiment-aware asset volatility forecasting Seungju Lee, Seongwan Park, Woojin Jeong, Jinseong Park, Yujin Choi, Jaewook Lee
	MRI010	A Study of Thinking and Learning in a Product Design Class Hayato Ishizuka, Nanami Arai, Yasufumi Yamaji, Yoshiko Furusho
	OTH039	Consideration on Japanese intentions of traveling abroad after the end of the COVID-19 crisis Hiromi Ban, Takashi Oyabu