

Dec, 21		Keynotes (Morning)		Parallel Sessions (Afternoon)					
9:00-10:10	10:10-10:25	10:25-11:45	12:00-13:00	13:00-14:40	14:40-14:55	14:55-16:35		18:00	
Opening Ceremony 9:00-9:30	Tea/Coffee Break	Keynote 2 10:25-11:05	Lunch	G1 (R515)	Tea/Coffee Break	G3 (R515)		Banquet	
Keynote 1 9:30-10:10		Keynote 3 11:05-11:45		G2 (R508)		G4 (R508)			
				ST (R513)		S1 (R513)			
						CTS1 (R514)			
Dec, 22		Parallel Sessions							
8:30-10:10	10:10-10:25	10:25-12:05	12:05-13:00	13:00-14:40	14:40-14:55	14:55-16:35	16:35-16:50	16:50-18:30	19:00
G5 (R515)	Tea/Coffee Break	G9 (R515)	Lunch	G11 (R515)	Tea/Coffee Break	G13 (R515)	Tea/Coffee Break	G15 (R515)	Dinner
G6 (R508)		G10 (R508)		G12 (R508)		G14 (R508)		G16 (R508)	
G7 (R513)		S2 (R513)		S3 (R513)		S4 (R513)		S5 (R513)	
G8 (R514)		CTS2(R514)		C1 (R514)		C2 (R514)		C3 (R514)	
Dec, 23		Closing Ceremony and Social Program							

G1-G16: General Conference Sessions #1-#16

ST: Sustainability Workshop Tutorials

S1-S5: Sustainability Workshop Sessions #1-#5

CTS1-CTS2: Cellular Manufacturing Workshop Tutorial & Session #1-#2

C1-C3: Cellular Manufacturing Workshop Sessions #1-#3

Session Rooms: R515, R508, R513, R514

## Parallel Sessions Program

**Notation: each presentation consists of page number in the proceeding CD, presentation title, the authors and affiliations. For example,**

**408** *The Pricing of Carbon Emissions from the Business Perspective in Northeast Asia*

Xianbing Liu, Institute for Global Environmental Strategies (IGES), Japan



**Page number in the Proceeding CD.**

**13:00-14:40, Dec, 21**

### **G1 Session: Economics and General Management I**

Chair: Hideo Noda

Room: R515

**1 *Bayesian Analysis of Dynamic Relationship between Price Indices and Economic Growth in Japan***

Hideo Noda, Tokyo University of Science, Japan

Koki Kyo, Obihiro University of Agriculture and Veterinary Medicine, Japan

**2 *Research on judging China's industrialization process based on variance maximization combination weighting***

Huang Yi, Kunming University of Science and Technology, China

Zhao Guang-zhou, Yunnan Agricultural University, China

Wang Yan-wei, Energy Department of Yunnan Province Statistics Bureau, China

**7 *A components analysis of competitive advantage in brand strategy management-A case study of Fast Retailing-***

Shinichiro Yamada, Tokyo University of Science, Japan

Ling Feng, Tokyo University of Science, Japan

Shota Nakatsuka, Tokyo University of Science, Japan

**18 *A model for simulating system dynamics for studying cultural industrial sustainability***

Liu Liyun, Shaanxi Normal University, China

### **G2 Session: Marketing**

Chair: Saynakhone Inthavong

Room: R508

**29 *The Quality Evaluation Criteria Identification of CRM in Commercial Banks Based on Customer Value***

Duan Wanchun, Kunming University of Science and Technology, China

Li Yaqun, Kunming University of Science and Technology, China

Zhang Yejiao, Kunming University of Science and Technology, China

**35 *Customer Relationship Management in Hotel Business - The Case of Vientiane capital, Lao PDR -***

Saynakhone Inthavong, Kunming University of Science and Technology, China

Phanhpakit Onphanhdala, National University of Laos, Laos

Zhou Changchun, Kunming University of Science and Technology, China

**47 *The Study on Optimization of Mood Marketing Strategy at Micro-blog Age***

Wen Tao, Dalian University, China

**53 *Construction and Application of Empathic Marketing Model***

Wang Xueye, Communication University of China, China

**ST: Tutorial**

Chair: Xianbing Liu

Room: R513

***406 Production and Environment Management through Material Flow Cost Accounting***

Katsuhiko Kokubu, Kobe University, Japan

***407 Configurations for Sustainable Industrial Systems***

Dai Morgan, University of Cambridge, United Kingdom

***408 The Pricing of Carbon Emissions from the Business Perspective in Northeast Asia***

Xianbing Liu, Institute for Global Environmental Strategies (IGES), Japan

**14:40-14:55, Dec, 21**

**Tea/Coffee Break**

**14:55-16:35, Dec, 21**

**G3 Session: Information System I**

Chair: Tamaki Masumitsu

Room: R515

***63 The Contributions of classification algorithms for imbalanced datasets***

Xiying Hao, Fukushima University, Japan

Yanwen Dong, Fukushima University, Japan

***64 A review of literature on IT resources and performance improvement in organization***

Shiva Sadat Moosavipur, University Putra Malaysia, Malaysia

Tang Sai Hong, University Putra Malaysia, Malaysia

Morteza Ghobakhloo, University Putra Malaysia, Malaysia

Shamsuddin b. Sulaiman, University Putra Malaysia, Malaysia

Mohd Khairol Anuar b. Mohd Ariffin, University Putra Malaysia, Malaysia

***74 The Information and Telecommunications Policy of Ishinomaki City after the Great East Japan Earthquake***

Tamaki Masumitsu, Ishinomaki Senshu University, Japan

Kazuhiko Yasuda, Tohoku University, Japan

***79 Strategic IT Use Research: Current Status and Critical Issues in Local SMEs***

Shuhei Kudo, Akita prefectural University, Japan

**G4 Session: Supply Chain Management I**

Chair: Daisuke Watanabe

Room: R508

***85 Supply chain management in the presence of internal and external suppliers***

Yibin Zhang, Shanghai Lixin University of Commerce, China

Chunming Shi, Wilfrid Laurier University, Canada

***86 Optimal Dual Sourcing Strategy for Supply Chain Configuration***

Hangfeng Luo, Keio University, Japan

Hiroaki Matsukawa, Keio University, Japan

***87 Simulation Model to Optimize the Supply Chain Configuration for Mitigating Risks with Probability of the Damage Occurring and Production Recovery Process***

Kanji Takayama, Waseda University, Japan

Shunichi Ohmori, Waseda University, Japan

Kazuho Yoshimoto, Waseda University, Japan

***93 Optimal Facility Location of Fishery Logistics with Coverage Distance***

Daisuke Watanabe, Tokyo University of Marine Science and Technology, Japan

**S1 Session: International Comparison of Business Sustainability**

Chair: Dai Morgan

Room: R513

**410 Corporate foresight for sustainability in manufacturing firms: Comparative analysis between UK and China**

Elliott More, Cambridge University, United Kingdom

Robert Phaal, Cambridge University, United Kingdom

David Probert, Cambridge University, United Kingdom

**411 Impact Analysis of Political Decisions:-Business Sustainability-**

Şule ERYÜRÜK, Nagoya Institute of Technology, Japan

Ichiro Koshijima, Nagoya Institute of Technology, Japan

Tomoyuki Kato, Nagoya Institute of Technology, Japan

**420 Research on a Regional Strategic Framework to Improve the Implementation of Basel Convention in Asia and the Pacific**

Jinhui Li, Tsinghua University, China

Lixia Zheng, Tsinghua University, China

Chao Zhang, Tsinghua University, China

Lizhe Duan, Tsinghua University, China

**431 Policy challenges to implement Industrial Symbiosis - Comparing UK and China**

Yuan Tao, Cambridge University, United Kingdom

Dai Morgan, Cambridge University, United Kingdom

Steve Evans, Cambridge University, United Kingdom

**CTS1: Tutorial and Production Management in Cellular Manufacturing I**

Chair: Masahiro Arakawa

Room: R514

**543 Virtual Cells, Worker Flexibility & Emerging Issues in Lean Production in Global Supply Chains**

Nallan C. Suresh, UB Distinguished Professor, State University of New York, USA

**544 Algorithm for Process Design in Cell Production Aimed at High Productivity**

Masahiro Arakawa, Nagoya Institute of Technology, Japan

Takumi Wada, Nagoya Institute of Technology, Japan

**552 Joint Optimization Model for Manufacturing Scheduling and Transportation Mode Selection**

Can Çelikkbilek, Ohio University, U.S.A

Gürsel A. Süer, Ohio University, U.S.A

**8:30-10:10, Dec, 22**

**G5 Session:Service Management I**

Chair: Shunichi Ohmori

Room: R515

**97 Measurement Method of Service Quality and Customer Satisfaction, Focusing on Service Process**

Masatomo Yamaguchi, Waseda University, Japan

Shunichi Ohmori, Waseda University, Japan

Kazuho Yoshimoto, Waseda University, Japan

**103 A Review of Marketing Management for Tourism Resource of Intangible Cultural Heritage of China**

Zhou Changchun, Kunming University of Science and Technology, China

Zhang Zechen, Kunming University of Science and Technology, China

**111 Evaluation Model to Determine Capability of Handling Interim Requests for Collection of General Commercial Waste**

Takuo Ichiju, Aizu Dust Center, Japan

Wulidao, Fukushima University, Japan

Chun Jin, Dalian University of Technology, China

Yoshiyuki Higuchi, Fukushima University, Japan

**115 *The Research of Financing Risk Evaluation of the Hydropower Project Based on WSR-CIM -  
----Take XW Hydropower Project in Yunnan as an Example***

Yang Guang-ming, Kunming University of Science and Technology, China

Zhao Guang-zhou, Kunming University of Science and Technology, China

Zhou Chang-chun, Kunming University of Science and Technology, China

Ye Hong, Kunming University of Science and Technology, China

**G6 Session:Transportation and Urbal Economics**

Chair: Mingzhe Li

Room: R508

**122 *Some Results on Opimal Signal Switching Time at an Intersection Based on Random Arrivals of Vehicles***

Mingzhe Li, Fukuoka University, Japan

Youngjin Ryu, Fukuoka University, Japan

Yu Song, Fukuoka Institute of Technology, Japan

**127 *Research on Spatial Location of Economic Functional Areas***

Sun Hai-jun, North China Institute of Astronautic Engineering, China

Zhang Su-rong, North China Institute of Astronautic Engineering, China

**136 *Establishment of the Design Method of the Model of Bus Disembarkation on Congested Roads***

Takayuki Nanashima, Fukushima University, Japan

Yoshiyuki Higuchi, Fukushima University, Japan

Chun Jin, Dalian University of Technology, China

**142 *A Study on Financing of Trans-Asian Railway***

Niansong Tu, Kunming University of Science and Technology, China

Hao Wang, Kunming University of Science and Technology, China

**G7 Session:Economics and General Management II**

Chair: Keisuke Inakawa

Room: R513

**150 *Consideration of Merger with Neighboring Local Ambulance Systems***

Keisuke Inakawa, Akita Prefectural University, Japan

Takehiro Furuta, Nara University of Education, Japan

**156 *Licensing a Quality-Enhancing Innovation to an Upstream Firm***

Xiaoli Tian, Kunming University of Science and Technology, China

**168 *An Empirical Study on Why People Continue to Use Mobile Application***

Hsi-Peng Lu, National Taiwan University of Science and Technology, Taiwan

Ren-Chuen Tzou, National Taiwan University of Science and Technology, Taiwan

Hui-Chen Ho, National Taiwan University of Science and Technology, Taiwan

**177 *A Study of Human Resource Allocation with Employee Satisfactions in Engineering Project***

Hongwei Bai, Nagoya Institute of Technology, Japan

Ichiro Koshijima, Nagoya Institute of Technology, Japan

**G8 Session:Service Management II**

Chair: Wei Zang

Room: R514

**178 *A Study on the Functions of Service for Creating Value***

Wataru Tana, Fukushima University, Japan

Masaru Ishioka, Fukushima University, Japan

**179 *A Tentative Study on Dimension Structure of University Brand values***

Zi Xueqin, Donghua University, China

**196 *Research on the development of Financial shared service center mode in china***

Huang Qinghua, Kunming University of Science and Technology, China

Du Zhou, Kunming University of Science and Technology, China  
Duan Wanchun, Kunming University of Science and Technology, China

**201 Logarithmic Least Square Fuzzy Model for Pairwise Comparison of Nurse Performance Evaluation**

Wei Zang, Waseda University, Japan  
Takahiro Ohno, Waseda University, Japan

**10:10-10:25, Dec, 22**

**Tea/Coffee Break**

**10:25-12:05, Dec, 22**

**G9 Session:Strategy**

Chair: Zhang kejing

Room: R515

**209 Research on Management Reform Evaluation Method of Grid Enterprise**

Wan He, State Grid Energy Research Institute, China  
Gang Lu, State Grid Energy Research Institute, China

**220 Strategic Innovation based on Advantageous Decision-Making**

Tomoyuki Kato, Nagoya Institute of Technology, Japan  
Ichiro Koshijims, Nagoya Institute of Technology, Japan  
Yoshiaki Wada, Tokyo University of Agriculture and Technology, Japan

**227 Research in Business Age of Enterprises for Listed Firms in Machinery Sector**

Aibyjiang.Bawudong, Xinjiang University of Finance and Economics, China  
Xu Yanmei, CAS College of Management, China

**235 An Analysis of Chinese Small Private Enterprises' Covert Political Association Action**

Zhang kejing, Donghua University, China

**G10 Session:Decision Science**

Chair: Dongxiao Jiang

Room: R508

**243 Boltzmann Machine Approach with Mean Field Approximation for Solving Estimation of Product Design Parameters**

Dongxiao Jiang, Akita Prefectural University, Japan  
Takashi Shinzato, Akita Prefectural University, Japan  
Mitsuhiro Hoshino, Akita Prefectural University, Japan  
Ikou Kaku, Tokyo City University, Japan

**249 Licensing Technologies for Complementary Durables**

Changying Li, Shandong University, China  
Zheng Liu, Kunming University of Science and Technology, China

**260 The basic behavior model of the adaptive Agents in the evolution process of enterprise organizational capability system**

Ke Xing, Kunming University of Science and Technology, China  
Wang Jinlin, Kunming University of Science and Technology, China  
Xie Ying, Kunming University of Science and Technology, China

**267 Multi-dimensional Scenario-space Method for Case-Based Reasoning and Decision-making Support**

Liu Yi, Tsinghua University, China  
Qian Jing, Tsinghua University, China  
Li Zhi, Tsinghua University, China  
Geng Xuesong, Tsinghua University, China  
Jiang Xiaopeng, Tsinghua University, China  
Feng Yulin, Tsinghua University, China  
Zhang Hui, Tsinghua University, China

## **S2 Session: Business Perspective of Climate Policies**

Chair: Zheng Lixia

Room: R513

### ***447 Analysis of Emissions Trading Schemes: The Perspective of Corporate Participation***

Zhu Hao-yun, University of Electronic Science & Technology of China, China

Chen Xu, University of Electronic Science & Technology of China, China

### ***454 Energy-saving Subsidy for Durable Products***

Wenhui Zhou, South China University of Technology, China

Weixiang Huang, South China University of Technology, China

### ***460 Analysis of China ' s Agriculture and Climate Change from the View of Historical Evidence, Future Impacts and Adaptation***

Li Ziqi, University of Waterloo, Canada

Zheng Lixia, Tsinghua University, China

### ***465 Estimation Approaches of Greenhouse Gas Emissions from Cargo Handling Equipment in Seaports***

Y. Mamatok, Dalian University of Technology, China

N. Lin, Dalian University of Technology, China

C. Jin, Dalian University of Technology, China

Y. Higuchi, Fukushima University, Japan

## **CTS2: Tutorial and Production Management in Cellular Manufacturing II**

Chair: Yang Yu

Room: R514

### ***560 Definition, Model and Algorithm on Line-cell Conversion (Tutorial)***

Ikou Kaku, Tokyo city university, Japan

Yang Yu, Northeastern University, China

Jiafu Tang, Dongbei University of Finance and Economics, China

Yong Yin, Yamagata University, Japan

### ***561 Improved Similarity Coefficient Method for Cell Formation with Considering Operation Sequences and Times***

Lang Wu, Tokyo Institute of Technology, Japan

Sadami Suzuki, Tokyo Institute of Technology, Japan

### ***572 Green manufacturing by agile assembly cell - seru production***

Yong Yin, Yamagata University, Japan

Kathryn E. Stecke, University of Texas at Dallas, U.S.A

Ikou Kaku, Tokyo city university, Japan

Chenguang Liu, Xi'an University of Technology, China

**12:05-13:00, Dec, 22**

**Lunch**

**Room:**

**13:00-14:40, Dec, 22**

Chair: S.H. Tang

Room: R515

## **G11 Session: Optimization and Algorithms**

### ***276 Intuitionistic fuzzy weight generation and aggregation for intuitionistic preference relations based on multiplicative transitivity***

ZhouJing Wang, Zhejiang University of Finance and Economics, China

Kevin W. Li, University of Windsor, Canada

### ***277 A fuzzy multi-objective model for the hazardous material allocation-routing problem Omid Boyer, University Putra Malaysia***

S.H. Tang, University Putra Malaysia

Rosnah Bt Mohd Yusuff, University Putra Malaysia

**282 *Research on Multi-objective Optimization of Large Coal Enterprise's Supply Chain Based on GGA***

Bai Tao, Liaoning Technical University, China

Lu Shichang, Liaoning Technical University, China

Zhao Qiu, Liaoning Technical University, China

**288 *Reformulation of Lot-Sizing Problems related to Backlogging and Outsourcing***

Ping Zhan, Edogawa University, Japan

**G12 Session:Supply Chain Management II**

Chair: Qunzhi Wang

Room: R508

**294 *Mathematical Model for Designing Multiple-Supply Chain Considering Product, Customer and Supply Chain Characteristics***

Tsuneaki Arakane, Waseda University, Japan

Shunichi Ohmori, Waseda University, Japan

Kazuho Yoshimoto, Waseda University, Japan

**300 *Scenario-based Supply Chain Disruptions Management Framework-A Quantitative Approach***

Syed Mithun Ali, Nagoya Institute of Technology, Japan

Koichi Nakade, Nagoya Institute of Technology, Japan

**311 *Procurement Risk Analysis of Supply Contract with Put Options***

Qunzhi Wang, Southwest Jiaotong University, China

Kuijun Yu, Southwest Jiaotong University, China

Qin Xiang, Southwest Jiaotong University, China

Ruirui Wu, Renmin University of China, China

**312 *The Research Progress of purchasing strategy***

Li Suicheng, Xi'an University of Technology, China

Li Na, Xi'an University of Technology, China

**S3 Session:Low-carbon Supply Chain Management**

Chair: Yongjiang Shi

Room: R513

**474 *Empirical Research on the Influencing Factors of Green Process Innovation: Based on the Chinese Provincial Panel Data***

Yang Chaojun, Kunming University of Science and Technology, China

Yang Hongjuan, Kunming University of Science and Technology, China

**484 *Low-carbon supply chain management and its performance in Japanese manufacturing firms***

Kimitaka Nishitani, Kobe University, Japan

Katsuhiko Kokubu, Kobe University, Japan

Takehisa Kajiwara, Kobe University, Japan

**485 *Developing Low Carbon Emission Supply Networks: From Influence to Measurement and Improvement***

Jialun Hu, Cambridge University, United Kingdom

Yongjiang Shi, Cambridge University, United Kingdom

**487 *Best Practices in Low Carbon Emission Supply Chain Networks: Lessons and Implications from the CDP Survey Data from Four Industry Sectors***

Yuan Zhang, Cambridge University, United Kingdom

Jialun Hu, Cambridge University, United Kingdom

Yongjiang Shi, Cambridge University, United Kingdom

**C1 Session:Human Factors in Cellular Manufacturing**

Chair: Yanwen Dong



Room: R514

**573 *An incentive model of post-80s knowledge workers in Private enterprises using Grey-DEMATEL approach***

Duan Wanchun, Kunming University of Science and Technology, China

Zhang Yejiao, Kunming University of Science and Technology, China

Li Yaquin, Kunming University of Science and Technology, China

**577 *An effective method for line-cell conversion towards reducing worker(s)***

Wei Sun, Liaoning University, China

Yang Yu, Northeastern University, China

Jiafu Tang, Northeastern University, China

Yong Yin, Yamagata University, Japan

Ikou Kaku, Tokyo city university, Japan

**595 *Optimal Worker Allocation Considering Worker's Skill on Different Task in Limited-Cycle Multiple Periods***

Xianda Kong, Tokyo Metropolitan University, Japan

Jing Sun, Nagoya Institute of Technology, Japan

Hisashi Yamamoto, Tokyo Metropolitan University, Japan

Masayuki Matsui, Kanagawa University, Japan

**600 *The relationship between human factors and efficiency of cellular manufacturing: A statistical analysis***

Yanwen Dong, Fukushima University, Japan

Xiying Hao, Fukushima University, Japan

**14:40-14:55, Dec, 22**

**Tea/Coffee Break**

**14:55-16:35, Dec, 22**

**G13 Session:Financial Management**

Chair: Chunhui Xu

Room: R515

**321 *Financial Investment Problems with uncertain Investment Deadline and their Resolution Methods***

Chunhui Xu, Chiba Institute of Technology, Japan

Yanli Huo, Chiba Institute of Technology, Japan

**322 *The Design of Folk Financing System in China***

Chenya An, Ji Lin University, China

**323 *Tax Competition in Pure and Mixed Strategy Games***

Xing Liu, ChongQing University, China.

**332 *Empirical Research on Risk Management of Chinese Commercial Banks Based on Model RAROC***

Li Hong, Nanchang University, China

Yao Yi, Nanchang University, China

**G14 Session:Revenue Management**

Chair: Ling Feng

Room: R508

**340 *Revenue Management model for container ships***

Yuki Kubota, Waseda University, Japan

Shunichi Ohmori, Waseda University, Japan

Kazuho Yoshimoto, Waseda University, Japan

**347 *An Examination of the Bankruptcy Prediction Model, in Consideration of Profit Manipulation***

Naoya Ishii, Tokyo University of Science, Japan

Ling Feng, Tokyo University of Science, Japan

**354 *The Performance Evaluation of Tourism Resources of Shandong Blue Economy Based on DEA***

Chang Xiangquan, University of Jinan, China

Zhang Yanfang, University of Jinan, China

**359 *Study of industry association in promoting the role of micro-loan Company to perfect the internal control***

Zhou-Xiaoshi, Shenyang Ligong University, China

Yu-Zhe, Shenyang Ligong University, China

Zhang-Caifen, Shenyang Ligong University, China

**S4 Session: Circular Economy and Corporate Energy Saving**

Chair: Meng Du

Room: R513

**489 *Developing circular economy is an effective way to promote the economic transition of resource-exhausted coal enterprises***

Ding Le, Liaoning Technical University, China

Lian Wei-Zheng, Fuxin Mining Group, China

**494 *Research on Circular Economic Coordinated Development Mode of Energy-intensive Industries Based on Building Material Industry***

Zheng Jiliang, Kunming University of Science and Technology, China

**499 *Reputation of the Chinese Energy Industry: Employee Values and Environmental Attitudes***

Meng Du, Kunming University of Science and Technology, China

Rosa Chun, UCD Michael Smurfit Graduate Business School, Ireland

**510 *Investigation and Analysis of Enterprise Energy Saving and Emission Reduction Target Decomposition Model—Take the Enterprise mainly by Current Consuming for Example***

Liang Xu, Kunming University of Science and Technology, China

Jialin Cheng, Kunming University of Science and Technology, China

**C2 Session: Strategic Management in Cellular Manufacturing**

Chair: ChenGuang Liu

Room: R514

**29 *Cellular Manufacturing - Heart of the JIT Philosophy***

Wei Weng, Waseda University, Japan

Shigeru Fujimura, Waseda University, Japan

**35 *Framework Development and Operational Measurement of Enabling Technologies for Seru Production***

WenJuan Li, Xi'an University of Technology, China

ChenGuang Liu, University of Cambridge, United Kingdom

Jie Lian, Xi'an University of Technology, China

Yong Yin, Yamagata University, Japan

**47 *The Integration Level of Product Modules in BTO Supply Chain Design***

Jian Wang, Shanghai University, China

Qu Peng, Shanghai University, China

Huixia Liu, Shanghai University, China

**53 *Identifying critical jobs for make-span in flow shop scheduling***

Watanabe Masahiro, Kanagawa University, Japan

Matsuura Haruki, Kanagawa University, Japan

Asada Akiko, Kanagawa University, Japan

**16:35-16:50, Dec, 22**

**Tea/Coffee Break**

**16:50-18:30, Dec, 22**

**G15 Session:Information System II**

Chair: Jing Sun

Room: R515

***365 Papers Recommendation based on Meta-path in Heterogeneous Information Network***

Wu Sen, University of Science and Technology Beijing, China

Du Yannan, University of Science and Technology Beijing, China

Jiang Min, University of Science and Technology Beijing, China

Zhang Xiaonan, University of Science and Technology Beijing, China

***372 A Process Alarm Design of Quantitative Value with Zone Dividing for Control System Security***

Jing Sun, Nagoya Institute of Technology, Japan

Yoshihiro Hashimoto, Nagoya Institute of Technology, Japan

Shuichi Yogo, Nagoya Institute of Technology, Japan

Takahito Morita, Nagoya Institute of Technology, Japan

Hiroki Moritani, Nagoya Institute of Technology, Japan

Ichiro Koshijima, Nagoya Institute of Technology, Japan

***378 Research on the risk management model of Informatization planning project - to take CP Life Insurance company as an example***

Jiang ChunYan, Shijiazhuang Tiedao University, China

Jin Feng, Hebei Postal Bureau of Information Technology, China

***384 The methodology of ERP era***

Zhao Dan, Guizhou university, China

Yang Liu, Guizhou university, China

**G16 Session:Economics and General Management III**

Chair: Wu Sen

Room: R508

***391 Accuracy and Usefulness of Management forecasts on Corporate Performance in Japan***

Noriaki Kawasaki, Aoyamagakuin University, Japan

Noboru Ogura, Aoyamagakuin University, Japan

***392 Win-win Development among BRICS and the Investment of China's SWFs abroad***

Zhang Hailiang, Kunming University of Science and Technology, China

Hong Lingyu, Kunming University of Science and Technology, China

***400 Improved Collaborative Filtering Algorithm Based on Change of User Interest***

Zhang Xiaonan, University of Science and Technology Beijing, China

Wu Sen, University of Science and Technology Beijing, China

Du Yannan, University of Science and Technology Beijing, China

***405 A Fundamental Study on OJT in Project Management***

Davaadorj Nyambayar, Nagoya Institute of Technology, Japan

Koshijima Ichiro, Nagoya Institute of Technology, Japan

Yuki Hamada, Nagoya Institute of Technology, Japan

**S5 Session:Sustainability Management**

Chair: Miying Yang

Room: R513

***518 Developing the Sustainable Value Analysis Tool (SVAT)***

Miying Yang, Cambridge University, United Kingdom

Doroteya Vladimirova, Cambridge University, United Kingdom

Padmakshi Rana, Cambridge University, United Kingdom

Steve Evans, Cambridge University, United Kingdom

***528 Cost-Oriented Vehicle Routing and Cargo Allocation with Minimum CO2 Emissions Based on Harmony Search Algorithm***

Noriko Otani, Tokyo city university, Japan

Tadayuki Masui, Tokyo city university, Japan

**537 *Seaport Environment Development From The Low-Carbon Aspect***

Yuliya Mamatok, Dalian University of Technology, China

Chun Jin, Dalian University of Technology, China

Yoshiyuki Higuchi, Fukushima University, Japan

**C3 Session: Production Management in Cellular Manufacturing II**

Chair: Jiahua Weng

Room: R514

**642 *Shortening the line length in the mixed model assembly line by installing pull-off tables***

Miyazaki Hiroshi, Kanagawa University, Japan

Matsuura Haruki, Kanagawa University, Japan

Asada Akiko, Kanagawa University, Japan

Hirano Kenji, Polytechnic University, Japan

**646 *Cell Loading and Scheduling considering Multi-objectives in Synchronized Manufacturing Cells***

Dyah Ariningtyas Hening, Ohio University, U.S.A

Can Çelikkbilek, Ohio University, U.S.A

Gürsel A. Süer, Ohio University, U.S.A

**654 *A Support System for Determining Production Functional Specifications in Engineer-to-Order Environment***

Jiahua Weng, Waseda University, Japan

Shingo Akasaka, Hitachi, Ltd., Japan

Hisashi Onari, Waseda University, Japan

**656 *Avoiding Deadlocks by Grouping Machines under Limited Capacity WIP***

Fukuhara Hideyuki, Kanagawa University, Japan

Matsuura Haruki, Kanagawa University, Japan

Asada Akiko, Kanagawa University, Japan