CIE40-2010 Schedule

	July 25 (Sun)	July 26 (Mon)									
	R2	M2	A3	B3	C3	D3	E3	F3	G4	H4	I4
09:00-10:50		**Opening Ceremony** & **Keynote I / Plenary I**									
10:50-11:00		**Coffee Break**									
11:00-12:20			MA-Aa	MA-Ba	MA-Ca	MA-Da	MA-Ea	MA-Fa	MA-Ga	MA-Ha	MA-Ia
12:20-13:20		**Lunch**									
13:20-14:40	Registration (15:00-18:00)		**Tutorial Talk I** (13:20-14:40)	MP-Bb	MP-Cb	MP-Db	MP-Eb	MP-Fb	MP-Gb	MP-Hb	MP-Ib
14:40-16:00			**C&IE Board Meeting**	MP-Bc	MP-Cc	MP-Dc	MP-Ec	MP-Fc	MP-Gc	MP-Hc	MP-Ic
16:00-16:10		**Coffee Break**									
16:10-17:30	Welcome Reception		MP-Ad	MP-Bd	MP-Cd	MP-Dd	MP-Ed	MP-Fd	MP-Gd	MP-Hd	MP-Id

	July 27 (Tue)									
	M2	A3	B3	C3	D3	E3	F3	G4	H4	I4
09:00-10:50	**Keynote Talk II** & **Plenary Talk II**									
10:50-11:00	**Coffee Break**									
11:00-12:20	**Plenary Talk III** (11:00-12:00)	TA-Aa	TA-Ba	TA-Ca	TA-Da	TA-Ea	TA-Fa	TA-Ga	TA-Ha	
12:20-13:20	**Lunch**									
13:20-14:40	**Tutorial Talk II** (13:20-14:40)	TP-Bb	TP-Cb	TP-Db	TP-Eb	TP-Fb	TP-Gb	TP-Hb	TP-Ib	
14:40-16:00	**Tutorial Talk III** (14:40-16:00)	TP-Bc	TP-Cc	TP-Dc	TP-Ec	TP-Fc	TP-Gc	TP-Hc	TP-Ic	
16:00-16:10	**Coffee Break**									
16:10-17:30		TP-Bd	TP-Cd	TP-Dc	TP-Ed	TP-Fd	TP-Gd	TP-Hd	TP-Id	
18:00-20:30	**Banquet** (M2: Main Hall)									

	July 28 (Wed)					**F3**			**I4**
	A3	B3	C3	D3	E3	F3	G4	H4	I4
09:00-	WA-Aa	WA-Ba	WA-Ca	WA-Da	WA-Ea		WA-Ga	WA-Ha	
10:20-	**Coffee Break**								
10:30-	WA-Ab	WA-Bb	WA-Cb	WA-Db	WA-Eb		WA-G	WA-Hb	

Room ID	CIE40 Room	VIP Room	R2	M2	A3	B3	C3	D3	E3	F3	G4	H4	I4
Meeting Room	Room 304	Room 305	Reception Hall B	Main Hall	Room 301A	Room 301B	Room 302	Room 309	Room 311A	Room 311B	Room 403	Room 404	Room 405

CIE40 Sessions & Chairs

July 26th (Mon)

M2 (Main Hall)   (9:00-10:50)
  Welcome Address   Chair: Dr. Hiroaki Ishii
  Keynote Talk I   Chair: Dr. Hark Hwang
    Prof. Andrew Kusiak (University of Iowa)
    Innovation in Manufacturing, Energy, and Service Systems
  Plenary Talk I   Chair: Dr. Mitsuo Gen
    Prof. Cien-Fu Chien (National Tsing Hua University)
    A Conceptual Methodology of "Industrial Engineering" for "the Industry as a whole":
    Semiconductor Industry as Illustration

Coffee Break   (10:50-11:00)

MA-Aa   (11:00-12:20)
  Resource Utilization in Business Management 1   Chair: Dr. Takashi Oyabu
MA-Ba
  Quality Mang. /Eng., Reliability & Maintenance 1   Chair: Dr. Johan K. Runtuk
MA-Ca
  Multi-Criteria Decision Making and Analysis 1   Chair: Dr. Yu-Hsin Lin
MA-Da
  Human Factors, Industrial Ergonomics and Safety 1   Chair: Dr. Wen-Min Chou
MA-Ea
  Applied Operations Research 1   Chair: Dr. Chiuh-Cheng
MA-Fa
  Supply Chain Management & Logistics 1   Chair: Dr. Tze-Ming Chen
MA-Ga
  Layout Design, Warehousing & Material Handling 1   Chair: Dr. *Kung-Jeng Wang*
MA-Ha
  Manufacturing Technologies 1   Chair: Dr. T. N. Wong
MA-Ia
  Supply Chain Management & Logistics 2   Chair: Dr. Etsuko Kusukawa

Lunch   (12:20-13:20)

A3   (13:20-14:40)
  Tutorial Talk I   Chair: Dr. Young Hae Lee
    Dr. Imed Kacem (Paul Verlaine University, France)
      Scheduling function for management and optimization in production and service systems
    Dr. Seren Ozmehmet Tasan (Dokuz Eylul University, Turkey)
      Multiobjective Hybrid Genetic Algorithms for Assembly Line Balancing Models
MP-Bb   (13:20-14:40)
  Resource Utilization in Business Management 2   Chair: Dr. Philipp Baumann
MP-Cb
  MCDM: New Frontiers and its   Chair: Dr. Vivien Yi-Chun Chen
MP-Db
  Web-based Applications, E-business & E-Commerce 1   Chair: Dr. Faizal Mahananto
MP-Eb
  Applied Operations Research 2   Chair: Dr. Chi-Yang Tsai
MP-Fb

Supply Chain Management & Logistics 3   Chair: Dr. Shin-Guang Chen

MP-Gb
  Systems & Processes: Agile Manufacturing, ERP/APS 1   Chair: Dr. Yeh-Chun Juan
MP-Hb
  Healthcare Systems Applications   Chair: Dr. Nai-Chuan Fang
MP-Ib
  Applied Operations Research 3   Chair: Dr.Jen-Shiang Chen

MP-Ac   (14:40-16:00)
  C&IE Board Meeting   Chair: Dr. Mohamed Dessouky
MP-Bc
  Project Development & Management 1   Chair: Dr. M. Karimi-Nasab
MP-Cc
  Multi-Criteria Decision Making and Analysis 2   Chair: Dr. Taioun Kim
MP-Dc
  Probabilistic and Statistical Models 1   Chair: Dr. Yen-Hui Lin
MP-Ec
  Applied Operations Research 4   Chair: Dr. Ya-Tang Chuang
MP-Fc
  Supply Chain Management & Logistics 4   Chair: Dr. Gong Wang
MP-Gc
  Information Technology 1   Chair: Dr. Shimpei Matsumoto
MP-Hc
  Environmentally Conscious Manufacturing   Chair: Dr. Tarek Abdallah
MP-Ic
  Innovative Technologies & Applications in Eng. Management   Chair: Dr. D. J.-F. Jeng

Coffee Break   (16:00-16:10)

MP-Ad   (16:10-17:30)
  Applied Operations Research 5   Chair: Dr. Jao-Hong Cheng
MP-Bd
  Quality Mang. /Eng., Reliability & Maintenance 2   Chair: Dr.Chung-Ho Wang
MP-Cd
  Data Mining and Knowledge Discovery 1   Chair: Dr. Kazuhiro Takeyasu
MP-Dd
  System Simulation and Forecasting 1   Chair: Dr. Yoshiki Nakamura
MP-Ed
  Applied Operations Research 6   Chair: Dr. Wen-Hung Kuo
MP-Fd
  Supply Chain Management & Logistics 5   Chair: Dr. Pao-Tiao Chuang
MP-Gd
  Artificial Intelligence & Expert Systems 1   Chair: Dr. Li-Man Liao
MP-Hd
  Group Technology & Cellular Manufacturing 1   Chair: Dr. Aysegul Ozkavukcu
MP-Id
  Operational Aspects of Smart Grid Technology   Chair: Dr. James Y. Kwon

July 27th (Tue)

M2 (Main Hall)   (9:00-10:50)
  Keynote Talk II   Chair: Dr. Shogo Shiode
    Mr. Masanori UEDA (Nissan Co.)
     Challenges on Widespread Marketplace Acceptance of Electric Vehicles" - Towards zero emission mobility society -
  Plenary Talk II   Chair: Dr. Mitsuo Gen
    Prof. K. H. Kim and Prof. B.H. Hong (Pusan National Univ.)
     Maritime Logistics and Applications of Information Technologies

Coffee Break (10:50-11:00)

M2 (Main Hall)   (11:00-12:00)
  Plenary Talk III   Chair: Dr. Xinjie Yu
    Prof. Hisao Ishibuchi (Osaka Prefecture University)
     Memetic Algorithms for Evolutionary Multiobjective Combinatorial Optimization
TA-Aa   (11:00-12:20)
  Decision making in semiconductor manufacturing   Chair: Dr. Sheng-Hung Chang
TA-Ba
  Quality Mang. /Eng. Reliability & Maintenance 3   Chair: Dr. Maria Emilia Camargo
TA-Ca
  Data Mining and Knowledge Discovery 2   Chair: Dr. Masahiro Inuiguchi
TA-Da
  Human Factors, Industrial Ergonomics and Safety 2   Chair: Dr. An-Che Chen
TA-Ea
  Applied Operations Research 7   Chair: Dr. Sheng-Hung Chang
TA-Fa
  Supply Chain Management & Logistics 6   Chair: Dr. Chang Seong Ko
TA-Ga
  Layout Design, Warehousing & Material Handling 2   Chair: Dr. Ehsan Shahbazi
TA-Ha
  Manufacturing Technologies 2   Chair: Dr. Chair: Yu Zhang

Lunch   (12:20-13:20)

A3   (13:20-14:40)
  Tutorial Talk II   Chair: Dr. Toyokazu Nose
    Prof. Xinjie Yu (Tsinghua University)
     Introduction to Evolutionary Algorithms
TP-Bb   (13:20-14:40)
  Project Development & Management 2   Chair: Dr. Yuji Mizukami
TP-Cb
  Multi-Criteria Decision Making and Analysis 3   Chair: Dr. Sungmook Lim
TP-Db
  Web-based Applications, E-business & E-Commerce 2   Chair: Dr. Tseng-Chang Yen
TP-Eb
  Applied Operations Research 8   Chair: Dr. F. Barzinpour
TP-Fb
  Supply Chain Management & Logistics 7   Chair: Dr. Chih-Hsiang Ko
TP-Gb
  Systems & Processes: Agile Manufacturing, ERP/APS 2   Chair: Dr. Ying-Chin Ho
TP-Hb

     Data Mining and Computational Intelligence   Chair: Dr. Hung-Cheng Tsai

TP-Ib

     Environment and Welfare Technology   Chair: Dr. Tadanobu Misawa

A3   (14:40-16:00)

     Tutorial Talk III   Chair: Seren Ozmehmet Tasan

       Prof. Lin Lin (Dalian University of Tech. & FLSI)

       Network Modeling and Optimization for Engineering Applications

TP-Bc   (14:40-16:00)

     Quality Mang./Eng., Reliability & Maintenance **4**   Chair: Dr. Hsin-Hung Chen

TP-Cc

     Data Mining and Knowledge Discovery **3**   Chair: Dr. Eri Domoto

TP-Dc

     Probabilistic and Statistical Models **2**   Chair: Dr. Wei-Ming Wu

TP-Ec

     Applied Operations Research **9**   Chair: Dr. Kwei-Long Huang

TP-Fc

     Supply Chain Management & Logistics **8**   Chair: Dr. Jun-Der Leu

TP-Gc

     Information Technology **2**   Chair: Dr. Hiroyuki Kawabe

TP-Hc

     Environmentally Conscious Manufacturing   Chair: Dr. Aries Susanty

TP-Ic

     Aviation Service Application   Chair: Dr. M.G. Yoon

Coffee Break   (16:00-16:10)

TP-Bd   (16:10-17:30)

     Project Development & Management **3**   Chair: Dr. Javad Jassbi

TP-Cd

     Multi-Criteria Decision Making and Analysis **4**   Chair: Dr. Kannan Govindan

TP-Dd

     System Simulation and Forecasting **2**   Chair: Dr. Toshifumi Uetake

TP-Ed

     Applied Operations Research **10**   Chair: Dr. Mehdi Toloo

TP-Fd

     Supply Chain Management & Logistics **9**   Chair: Dr. Mehdi Seifbarghy

TP-Gd

     Artificial Intelligence & Expert Systems **2**   Chair: Dr. Kuentai Chen

TP-Hd

     Group Technology & Cellular Manufacturing **2**   Chair: Dr. Terushige Honiden

TP-Id

     Maritime Logistics   Chair: Dr. Kap Hwan Kim

Banquet   (18:00-20:30, M2: Main Hall)

July 28ᵗʰ (Wed)

WA-Aa   (09:00-10:20)
Innovation and Optimization for Manufacturing Systems   Chair: Dr. Lin Lin
WA-Ba
***Supply Chain Management & Logistics* 10**   Chair: Dr. Takashi Hasuike
WA-Ca
***Quality Mang. /Eng. Reliability and Maintenance* 5**   Chair: Dr. Soumaya Yacout
WA-Da
***Human Factors, Industrial Ergonomics and Safety* 3**   Chair: Dr. Hsin-Hung Tu
WA-Ea
***Applied Operations Research* 11**   Chair: Dr. Hisatoshi Ishiguro
WA-Ga
***Layout Design, Warehousing & Material Handling* 3**   Chair: Dr. Abbas Mirakhorli
WA-Ha
***Manufacturing Technologies* 3**   Chair: Dr. George Q Huang

Coffee Break (10:20-10:30)

WA-Ab   (10:30-11:50)
***Data Mining and Knowledge Discovery* 4**   Chair: Dr. Kazuhiro Takeyasu
WA-Bb
***Web-based Applications, E-business & E-Commerce* 3**   Chair: Dr. Shyh-ming Lin
WA-Cb
***Applied Operations Research* 12**   Chair: Dr. Hiroaki Ishii
WA-Db
***Supply Chain Management & Logistics* 11**   Chair: Dr. Li-Ting Huang
WA-Eb
Evolutionary Algorithm and Industrial Applications   Chair: Dr. YoungSu Yun
WA-Gb
***Supply Chain Management & Logistics* 12**   Chair: Dr. Kannan Govindan
WA-Hb
Network Design and Optimization   Chair: Dr. Seren O. Tasan

CIE40 Program

July 26th (Mon)

M2 (Main Hall)   (9:00-10:50)

Welcome Address   Chair: Dr. Hiroaki Ishii

   Welcome Message   **Prof. Mohamed Dessouky, CIE40 Conference Chair**
   Welcome Message   **Prof. Toyokazu Nose, JIMA President**

Keynote Talk I   Chair: Dr. Hark Hwang

Prof. Andrew Kusiak (University of Iowa)

   Innovation in Manufacturing, Energy, and Service Systems

Plenary Talk I   Chair: Dr. Mitsuo Gen

Prof. Cien-Fu Chien (National Tsing Hua University)

   A Conceptual Methodology of "Industrial Engineering" for "the Industry as a whole": Semiconductor
   Industry as Illustration

Coffee Break (10:50-11:00)

MA-Aa   (11:00-12:20)

Resource Utilization in Business Management 1   Chair: Dr. Takashi Oyabu

OrgSsn07jp-a1   Kayoko Murakami, Seren Ozmehmet Tasan, Mitsuo Gen, Takashi Oyabu

   A Solution of Human Resource Allocation Problem in a Case of Hotel Management

OrgSsn07jp-a2   Izumi Yamasaki

   Application of Subjective Simulation for Financial Decision Making

OrgSsn07jp-a3   Nobuo Ando

   A Study of the Model for Information Costs in Market and Organization

MA-Ba   (11:00-12:20)

Quality Mang./Eng., Reliability and Maintenance 1   Chair: Dr. Johan K. Runtuk

cie064nz-1   Musli Mohammad, Robin Mann, Nigel Grigg, Jurgen P. Wagner

   The Right Improvement Initiative For The Right Situation: A Contextual And Systems Approach

cie112tw-1   Fei Long Chen, Li Lun Yeh

   Economic statistical design of x-bar control charts for correlated data and Gamma failure mechanism
   with genetic algorithm

cie049tw-1   PeCheng Wang

   A Simple Method to Design Good Experiments

cie104jp-1   Takahito Kozaki, Ayako Ooura, Kakuro Amasaka

   Establishment of TQM Promotion Diagnosis Model "TQM-PDM" for Strategic Quality Management

MA-Ca   (11:00-12:20)

Multi-Criteria Decision Making and Analysis 1   Chair: Dr. Yu-Hsin Lin

cie198tw-1   Shi-Woei Lin, Chorng-Guang Wu, Ming-Tsang Lu

   Decomposition of Variation in Experts' Judgments in the Analytic Hierarchy Process

cie124tw-1   Jhy Ping Jhang

   The Optimal Maintenance Policy Proportion and Used Period for the Repairable Warranty Equipment

Using Fixed-Failure-Rate-Reduction Method

cie089cn-1   Zhili Zhou, Yan Zhang

A Multi-Objective Hybrid Genetic Algorithm for Solving Invoice Printing Scheduling Problem

cie267kr-1   Jinmo Sung, Jaehyung Choi, Chiung Moon, Bongju Jeong

An adaptive evolutionary algorithm and applying methodology for the operation sequencing with precedence constraints

MA-Da   (11:00-12:20)

Human Factors, Industrial Ergonomics and Safety 1   Chair: Dr. Wen-Min Chou

cie011tw-1   Bor-Shong Liu, Hsien-Yu Tseng, Kuei-Lin Peng, Ya-Yen Chang, Tung-Chung Chia

Association of Cognitrone, Visual Pursuit Abilities and Tachistoscopic Traffic Responses with Gender and Driving Experience

cie087ca-1   François Gauthier, Dominique Gelinas, Pierre Marcotte

Vibration of Portable Orbital Sanders and Its Impact on the Development of Work-Related Musculoskeletal Disorders in the Furniture Industry

cie127tw-1   An-Hsiang Wang, Hui-Tzu Kuo, Su-Lun Huang

Effects of polarity and ambient illuminance on the searching performance for various aged users

cie086tw-2   Wen-Min Chou, Chia-Lin Hsieh, Sheng-Bo Lin

The Impact of Shift Work Implementation on Sleeping Quality and Job Performance: A Case Study of Semi-conductor Manufacturing Company

MA-Ea   (11:00-12:20)

Applied Operations Research 1   Chair: Dr. Chiuh-Cheng

cie152ir-1   Masoud Seidi, Ali mohammad Kimiagari

Quantative models for determining prices in a remanufacturing system with exclusive and competitive market structure

cie222ir-2   Iraj Mahdavi, Vahid Kayvanfar, Ghorban Mohammad Komaki

Minimizing Total Tardiness and Earliness Problem with Controllable Processing Times Using an Effective Heuristic

cie106jp-1   Hisatoshi Ishiguro, Itsumi Matsuo, Taku Kojima, Toshiyuki Kimura, Kakuro Amasaka

Proposal and Effectiveness of a Highly Compelling Direct Mail Method Establishment and Deployment of "PMOS-DM"

cie023tw-2   Chiuh-Cheng Chyu, Wei-Shung Chang

A Competitive Evolution Strategy Memetic Algorithm for Unrelated Parallel Machine Scheduling to Minimize Total Weighted Tardiness and Flow Time

MA-Fa   (11:00-12:20)

Supply Chain Management & Logistics 1   Chair: Dr. Tze-Ming Chen

cie266tn-2   Mansour Rached, Zied Bahroun, Armand Baboli, Jean-Pierre Campagne, Belhassen Zouari

The Value of Information Sharing in a Serial Supply Chain with Centralised and Decentralised Decision

cie050tw-1   Chia-Lin Hsieh, Shu-Hsien Laio

A Multiobjective Evolutionary Approach for an Integrated Location-Inventory Problem in Vendor-Managed Inventory Systems

cie035tw-1   **Tze-Ming Chen, Tai-Yue Wang , Jui-Ming Hu**

Optimal ordering policy in simple inventory models with modularization and postponement

MA-Ga   (11:00-12:20)

Layout Design, Warehousing & Material Handling **1**   **Chair: Dr. *Kung-Jeng Wang***

cie300id-1   **Novi Mulyantini, Minarni**

The layout of the class roared a healthy and comfortable

cie101tw-1   **Kung-Jeng Wang, Yu-Siang Lin, Jonas C.P. Yu**

An integrated manufacturer-distributor inventory policy for a deteriorating item with time varying demand and decreasing warehouse rental overtime

cie208ir-1   **Sadegh Abedi, Naser Hamidi, Mourteza Mousakhani, Armin Jabarzadeh**

Using Markov Chain and Simulation to Analysis and Optimization Production Lines Systems with Layout Constraints

cie105jp-1   **Shohei Takebuchi, Hiroki Asami, Tomomi Nakamura, Kakuro Amasaka**

Creation of Automobile Exterior Color Design Approach Model "A-ACAM"

MA-Ha   (11:00-12:20)

Manufacturing Technologies **1**   **Chair: Dr. T N Wong**

cie126kr-1   **Seung Woo Lee, So-Jeong Nam, Jong Kweon Park, Jai-Kyung Lee**

Monitoring system of equipment in shop floor for embodying MES

cie342uk-1   **Ruiqiang Lu, David Zhengwen Zhang**

A Novel Agent Bidding Based Optimization Approach in Manufacturing Planning and Scheduling

cie177hk-1   **T N Wong, C B Leung**

Application of Auto-ID in Agent-Based Manufacturing Control

MA-Ia   (11:00-12:20)

Supply Chain Management & Logistics **2**   **Chair: Dr. Etsuko Kusukawa**

cie180kr-1   **Dong Won Cho, Young Hae Lee**

The Value of Information Sharing in a Supply Chain with Seasonal Demand Process

cie077jp-1   **Etsuko Kusukawa, Ikuo Arizono**

Analysis of Supply Chain Coordination with Profit Sharing under Clearance and Disposal Sale Markets

cie169tw-1   **Ping-Yu Chang, Kuentai Chen, Hsin-Yi Lin**

Determining Optimal Convenient Store Location in Logistics Network with Consideration of Transshipment Cost

Lunch   (12:20-13:20)

A3   (13:20-14:40)

Tutorial Talk **I**   **Chair: Dr. Young Hae Lee**

Dr. Imed Kacem (Paul Verlaine University, France)

Scheduling function for management and optimization in production and service systems

Dr. Seren Ozmehmet Tasan (Dokuz Eylul University, Turkey)

Multiobjective Hybrid Genetic Algorithms for Assembly Line Balancing Models

MP-Bb   (13:20-14:40)

Resource Utilization in Business Management 2   Chair: Dr. *Philipp Baumann*

cie117br-3   Osiris Canciglieri Jnr, Marcelo Rudek, Tiago Francesconi, Teofilo Miguel de Souza

Geometric Modeling from the Medical Images in the CAD System to Support Prosthesis Design

cie117br-1   Osiris Canciglieri Jnr, Raimundo J. B. de Sampaio, Joao Pedro Buiarskey Kovalchuk, Teofilo Miguel de Souza

A Case Study of Concurrent Engineering application on the Development of Parts for the White Goods

cie103jp-1   Hirotake Sakai, Yoshihiro Waji, Mari Nakamura, Kakuro Amasaka

Establishment of "A-PPNS", A Navigation System for Regenerating the Software Development Business

cie017ch-1   Philipp Baumann, Norbert Trautmann

A bidirectional schedule-improvement procedure for Microsoft Project

MP-Cb   (13:20-14:40)

MCDM: New Frontiers and its Applications   Chair: Dr. Vivien Yi-Chun Chen

OrgSsn14tw-1   Vivien Yi-Chun Chen and Gwo-Hshiung Tzeng

The Best Project Selection for the Environment Planning of Coastal Wetlands Region based on a Hybrid Novel MCDM Model

OrgSsn14tw-2   Gwo-Hshiung Tzeng, Cheng-Hsiung Chen

Creating an aspired interdisciplinary education system in the e-era based on super-additive fuzzy measure identification

OrgSsn14tw-3   Chi-Yo Huang, Ching-Jung Lin, Gwo-Hshiung Tzeng and Chien-Pen Chuang

Reconfiguring the Innovation Policy Portfolio for Developing the Taiwanese Digital Home Electronics Industry by Hybrid MCDM Methods

OrgSsn14tw-4   Chi-Yo Huang, Hueiling Chen, Gwo-Hshiung Tzeng and Kuang-Hua Hu

Enhancing the Performance of a SOC Design Service Firm by Using a Novel DANP Based MCDM Framework on the Balanced Scorecard

MP-Db   (13:20-14:40)

Web-based Applications, E-business and E-Commerce 1   Chair: Dr. Faizal Mahananto

cie051tw-1   Jyhjeng Wu, Shuhua Chien

The effects of participant motive, system integration, and value-added services on E-Procurement

cie257kr-1   Sangil Lee, Kwangyeol Ryu, Sunhwa Lee, Sungho Nam, Yongju Cho

Function and Service Pattern Analysis for Reconfiguring Collaboration Systems

cie366tw-1   Tung-Hsiang Chou, Chia-Wen Lin, Jau-Jiun Liao

Using e-service to construct general platform of BPM

cie008id-1   Faizal Mahananto, Radityo Prasetyanto Wibowo

Evaluation on Organic Web Based Software Architecture of Healthcare Information System

MP-Eb   (13:20-14:40)

Applied Operations Research 2   Chair: Dr. Chi-Yang Tsai

cie118ir-1   Sh. MohammadZadeh, A. Abol Masoumi

Modeling Residential Electricity Demand Using Neural Network and Econometrics Approaches

cie229tw-1   Bertrand M.T. Lin, Yin-Yu Lin

Two-machine Flowshop Scheduling with Supportive Constraints

cie088my-1   Ho Kok Hoe,   K. Muthusamy, KK.Harikrishnan

A Statistical Analysis Using Simulation On a Lean Manufacturing Model

cie080tw-1   Chi-Yang Tsai, You-Ren Chen

Heuristic Algorithms for Parallel Machine Scheduling Problems with Dividable Jobs

MP-Fb   (13:20-14:40)

Supply Chain Management & Logistics 2   Chair: Dr. Shin-Guang Chen

cie146tr-1   Necati Aras, Deniz Aksen, Mehmet Tugrul Tekin

Location and Selective Routing Problem with Pricing for the Collection of Used Products

cie091tw-1   Chia-Wei Kuo, Pei-Ju Lu

Bargaining power of quota allocation in national brand and store brand competition

cie377tw-1   Shin-Guang Chen

Optimal Logistic Planning in Robust Supply Chain Management

MP-Gb   (13:20-14:40)

Systems & Processes; Agile Manufacturing; ERP/APS 1   Chair: Dr. Yeh-Chun Juan

cie174tw-1   Hsiang-Hsi Huang, Ming-Der May, Hsiang-Ming Huang

Time Matrix Controller Design for the Flexible Manufacturing System

cie281kr-2   Geun-Cheol Lee

Real-time order promising methods considering scheduling of production lines under make-to-order environments

cie329cn-1   Junqiang Wang, Shudong Sun, Jian Chen, Songfei Zhang

Research and Application of Reconfigurable Manufacturing Execution System for China's Aviation Industrial Enterprises

cie218tw-1   Yeh-Chun Juan, Wen-Kai Hsieh, Yi-Chen Lin

Applying Neural Network to Improve Sales and Operations Planning for Paper Companies

MP-Hb   (13:20-14:40)

Healthcare Systems Applications   Chair: Dr. Nai-Chuan Fang

cie128tw-1   Chien Chih Wang, Cheng Ding Chang

SVD and SVM based approach for Congestive Heart Failure Detection from ECG Signal

cie199tw-1   Nai-Chuan Fang, Ming-Jong Yao, Tsueng-Yao Tseng

On Evaluating the Efficiency of Similar Therapeutic-effect Drugs Using Multi-criteria Decision-making Approaches Selection Result

MP-Ib   (13:20-14:40)

Applied Operations Research 3   Chair: Dr.Jen-Shiang Chen

cie326tw-1   Jen-Shiang Chen

Optimization models for the flow-shop scheduling problem with multiple orders per job

cie334tw-1   Yi Chun Kuo

Applying Asymmetric-Stratified Data Envelopment Analysis Model for Bankruptcy Prediction

cie351ir-1   Mohsen Rostamy-Malkhalifeh, Zohre Moghadas, Razieh Mehrjoo

The worst-practice piecewise linear DEA model

cie002jp-1   Shintaro Mohri, Teruo Masuda, Hiroaki Ishii

Batch Scheduling Problem with Multiple Due-dates Constraints

MP-Ac   (14:40-16:00)

C&IE Board Meeting   Chair: Dr. Mohamed Dessouky

MP-Bc   (14:40-16:00)

Project Development & Management 1   Chair: Dr. M. Karimi-Nasab

cie117br-2   **Osiris Canciglieri Jnr, Marcelo Rudek, Lucas Alberto Bodaczny , Teofilo Miguel de Souza**

Methodology Proposal for Acquisition of Biotelemetric Data in a Real Time

cie161cn-1   **Fei Xiao, Fan Hu, Zhenyu Jiang, Weihua Zhang, Jianguang Gu**

A Computer Based Environment for Space Mission Planning and Evaluation

cie231ir-3   **M. Karimi-Nasab, B. Shah-Hoseini**

A New Approach for Project Resource Scheduling with Activity Compressibility

MP-Cc   (14:40-16:00)

Multi-Criteria Decision Making and Analysis 2   Chair: Dr. Taioun Kim

cie038ir-1   **Mohsen Tarighi, Seyed Ahmad Motamed, Ehsan Arianyan**

Performance Improvement of Virtualized Cluster Computing System Using TOPSIS Algorithm

cie099tw-1   **Pei-Chun Wang, Jung-Fa Tsai, Ming-Hua Lin**

Optimal Expansion Of Incorporating Competence Sets With Multilevel Skills

cie283kr-1   **Taioun Kim, Hae Kyung Lee, Eun Mi Youn**

Product Family Design based on Analytic Network Process

cie046jp-1   **Dominic Joy Poothokaran, Yoichi Shimakawa**

Study on Evaluation of Algorithms for Multiobjective Bin Packing Problems

MP-Dc   (14:40-16:00)

Probabilistic and Statistical Models 1   Chair: Dr. Yen-Hui Lin

cie190ir-1   **Mahdi Jamshidi Khosh, Ahmad reza Fazeli Nahrekhalaji**

Investigation of Effective Parameters on the Traverse of Root of the Gas Turbine Blade by Design of Experiments

cie210us-1   **Hsiang-chun Chen, Yi-chin Chen**

A Comparative Study of Discrimination Methods for Credit Scoring

cie081tw-1   **Yen-Hui Lin, Chih-Yong Chen**

Statistical analysis of fatal occupational falls in the Taiwan construction industry from 1996–2007

cie135za-1   **Venkata Seshachala Sarma Yadavalli, Keamogetse Setlhare**

Non-Markovian Model of an Intermittently Busy Manpower System

MP-Ec   (14:40-16:00)

Applied Operations Research 4   Chair: Dr. Ya-Tang Chuang

cie186tw-1   **Sheng-Yuan Shen**

A Stepwise Incomplete Branch-and-Bound Method for the Generalized Assignment Problem

cie065ir-1   **Iraj Mahdavi, Amir Mohajeri, Mohsen Arabmaghsudi, M.H. Yahyanejad, Farzin Taghipourian, Nezam Mahdavi-Amiri**

An Optimal Natural-Gas Network Using Minimum Spanning Tree

cie357th-1   **Anan Mungwattana, Kanate Ploydanai**

Future Makespan Heuristic for Job Shop Scheduling Problem

cie094tw-1   **Ya-Tang Chuang, Cheng-Hung Wu**

A Dynamic Multi-Generation Capacity Planning Under Uncertainties

MP-Fc   (14:40-16:00)

Supply Chain Management & Logistics 3   Chair: Dr. Gong Wang

cie206ir-1   Mir-Bahador Q. Aryanezhad, Armin Jabbarzadeh, Parisa Taheri Tafreshi, Sadegh Abedi

An integrated supply chain design model under unreliable performance of supplier

cie116tw-1   Tsung-Sheng Chang, Sian-Da Wang

Multi-Trip Vehicle Routing and Scheduling Problems

cie150ca-2   Ludovick Valera, Denis Lagace, Line Bergeron

Enhancing Network Efficiency Lead Time Reduction in a Three-Level Supply Chain

cie181hk-1   Gong Wang, T N Wong, XiaoHuan Wang

An Adaptive Ontology-Mediated Approach to Organize Agent-based Supply Chain Negotiation

MP-Gc   (14:40-16:00)

Information Technology 1   Chair: Dr. Shimpei Matsumoto

cie227kr-1   Pablo Augusto Rosales, Kyuhyup Oh, Kyuri Kim, Jae-Yoon Jung

Leveraging Business Process Management through Complex Event Processing for RFID and Sensor Networks

cie125jp-1   Shimpei Matsumoto, Noriaki Hirosue, Kyohei Itonaga, Nobuyuki Ueno, Hiroaki Ishii

Monte-Carlo Tree Search for a Reentrant Scheduling Problem

cie258sa-1   Khaled Mohamed Gad El Mola, Hamid R Parsaei

Dimensions and Measures of Manufacturing Performance Measurement

cie258sa-2   Khaled Mohamed Gad El Mola, Hamid R Parsaei

Integrated Performance Measurement Systems: A Review and Analysis

MP-Hc   (14:40-16:00)

Environmentally Conscious Manufacturing   Chair: Dr. Tarek Abdallah

cie273tw-1   Tsai Chi Robert Kuo

Waste electronics and electrical equipment disassembly and recycling using Petri net analysis

cie362tr-1   Tarek Abdallah, Ali Diabat, David Simchi-Levi

A Carbon Sensitive Supply Chain Network Problem with Green Procurement

MP-Ic   (14:40-16:00)

Innovative Technologies & Applications in Engineering Management   Chair: Dr. Don Jyh-Fu Jeng

OrgSsn-05tw-1   Tsung-Li Wang, Ya-Fen Tseng, Chung-Ho Su

Develop and Measure a Game-based Tutoring System with Language Learning

OrgSsn-05tw-2   Yin-Tsuo Huang, Chun-Wang Tsou

Adoption of digital signage and application technology in medium-sized enterprises in Taiwan

OrgSsn-05tw-3   Don Jyh-Fu Jeng, Claude Halbert A. Mortel

Impact of Trust, Asset Specificity, and Environmental Uncertainty on Manufacturing Collaborative Processes

OrgSsn-05tw-4   Yao-San Lin

Small Sample Regression: Modeling with Insufficient Data

OrgSsn-05tw-5   Yi-Wen Luo

The Effect of Using JavaScript and HTML to Implement an E-learning Web Sites as a Remedial Teaching Aid on English Underachievers at Universities of Science and Technology

Coffee Break   (16:00-16:10)

MP-Ad   (16:10-17:30)

Applied Operations Research 5   Chair: Dr. Jao-Hong Cheng

cie048tw-2   Tzong-Ming   Cheng,   Stanley chung,

Developing Interactive 3D Documentations for Product Lifecycle

cie420kr-1   Chang Eun Kim, Kyung Hwan Lee, Jin Wook Choi, Jung Sang Yoo

The Study of Building a Learning Organization and Cross-evaluation between Companies applied DLOQ (Focusing on Samsung Electronics F team practices)

cie418tw-1   Jao-Hong Cheng, Chien Yuan Lai, Huei-Ping Chen, Chun-Liang Ou

The Service Quality Analysis of Public Transportation System using PZB

cie418tw-2   Jao-Hong Cheng, Chih-Ming Lee, Ya-Chi Fu

Degree of Boundary Integration and Strategic Resource Path affect

MP-Bd   (16:10-17:30)

Quality Mang./Eng., Reliability and Maintenance 2   Chair: Dr.Chung-Ho Wang

cie026sg-1   Tony Halim, Kanesan Muthusamy, Shao Wei Lam, Sie Yong Chia

Review and Classification of Reliability Statistical Models   Exhibiting Failure-Free Life Characteristic

cie385tw-1   LiangChuan Wu, Liang-Hong Wu

Learning Customer Needs - An Interdisciplinary Framework

cie136kr-2   Jaeshin Lee, BokYoung Kang, KwangSup Shin, Sukho Kang

Online Process Monitoring Scheme for Fault Detection Based on Independent Component Analysis (ICA) and Local Outlier Factor (LOF)

cie084tw-1   Chung-Ho Wang, Te-Wei Lin

Optimizing Minimize Periodic Preventive Maintenance Model for Series-parallel Systems based on Particle Swarm Optimization

cie029ir-1   Mohammad hossein hojjati

 A Method For Calculating Average Run length By The use of Markov Chain

MP-Cd   (16:10-17:30)

Data Mining and Knowledge Discovery 1   Chair: Dr. Kazuhiro Takeyasu

cie261us-1   Thi Hong Nhan Vu, Namkyu Park

Heart Rate Variability Pattern Recognition in Ambulatory Environments

cie025jp-1   Kazuhiro Takeyasu, Yuki Higuchi, Chie Ishio

Questionnaire Investigation on Jewelry / Accessory and its Analysis Utilizing Bayesian Network

cie248jp-1   Akio Kobayashi, Hirofumi Nonaka, Shigeru Masuyama, Hiroyuki Sakai

An Automatic Thesaurus Construction Method for Technological Terms in Patent Maps

cie323jp-1   Junko Shibata, Koji Okuhara, Shogo Shiode

Analysis of Unplanned Purchase Rule based on Rough Set

MP-Dd   (16:10-17:30)

System Simulation and Forecasting 1   Chair: Dr. Yoshiki Nakamura

cie037jp-2   **Yoshiki Nakamura, Nozomi Oomiya, Masaaki Ohba, Hisashi Yamamoto, Yukio Maruyama**

Development of the simulation for taking over process in the software maintenance

cie141tw-1   **Kuancheng Huang, Chao-Che Cheng**

A Solution Algorithm Based on Circuit Simulation for the Traffic Assignment Problem

cie330ir-1   **Amir Hossein Akhavan Rahnama**

A fuzzy approach on simulating and optimizing the performance of a discrete-event production line

cie320za-1   **Jozine Botha, Paul Kruger, Marne De Vries**

Enhancing Customer Experience through Business Process Improvement

MP-Ed   (16:10-17:30)

Applied Operations Research 6   Chair: Dr. Wen-Hung Kuo

cie368th-1   **Krongsin Somprasonk, Asst.Prof Rein Boondiskulchok**

Multi-Resource Assignment with Sequential Assignment Method in Mobile Medical Service

cie292ir-1   **Masood Mirzaei, Mahdi Bashiri**

Multiple Objective Multiple Allocation Hub Location Problem

cie129tw-1   **Wen-Hung Kuo, Chou-Jung Hsu, Dar-Li Yang**

An Unrelated Parallel Machine Scheduling Problem with Past-sequence-dependent Setup Time and Learning Effects

cie299id-1   **Mila Sari, Vina Fathira**

The Macromedia Flash Pro 8 as Media In Direct Instruction to Improve Students' Motivation in Learning Chemistry of Fundamental Solution of Electrolytes and Non Electrolytes at The Class X of Senior High School

MP-Fd   (16:10-17:30)

Supply Chain Management & Logistics 4   Chair: Dr. Pao-Tiao Chuang

cie182hk-1   **ChunXia Yu, T N Wong, Gong Wong**

An agent-based negotiation model to support partner selection in a virtual enterprise

cie285kr-1   **Hyun Jeung Ko, Chang Seong Ko, Eun Mi Yoon, Ki Ho Chung**

A Study on Strategic Partership-based Cutoff Time Adjustment for Express Package Deliveries

cie111hk-1   **Ximin Huang, Sin-Man Choi, Wai-Ki Ching**

On Improving Incentive in a Supply Chain: Wholesale Price Contract vs Quantity Dependent Contract

cie059tw-2   **Pao-Tiao Chuang,J. Wesley Barnes**

A Two-Dimensional Expectation-Perception Analysis for RFID Benefits in Supply Chain Management

MP-Gd   (16:10-17:30)

Artificial Intelligence & Expert Systems 1   Chair: Dr. Li-Man Liao

cie009tw-1   **Chiung Hui Chen**

A pattern-oriented design agent

cie033ir-2   **Hamed Fazlollahtabar, Nezam Mahdavi-Amiri**

Design of an Expert System to Estimate Cost in an Automated Jobshop Manufacturing System

cie200tw-1   **Li-Man Liao, Ching-Jen Huang**

Applying Agent-based Negotiation Approach for Parallel Machine Scheduling with Preference of Machines

MP-Hd   (16:10-17:30)

Group Technology & Cellular Manufacturing 1   **Chair: Dr. Aysegul Ozkavukcu**

cie313ir-2   **Hossein Amoozad Khalili, Reza Tavakkoli-Moghaddam, Mehdi Ranjbar-Bourani, Amir Nourmohammadi, Seyyed Mohammad Javad Mirzapour**

Cellular Manufacturing System Considering Machine Availability and Deteriorating Items: A Mathematical Model

cie223tr-1   **Aysegul Ozkavukcu, M. Bulent Durmusoglu**

Production Smoothing Decisions with Seasonal Variation through Value Stream Management

MP-Id   (16:10-17:30)

Operational Aspects of Smart Grid Technology   **Chair: Dr. James Y. Kwon**

OrgSsn-06kr-1   **Yongjin (James) Kwon and Tzu-Liang (Bill) Tseng**

Remote Monitoring and Control of Smart Grid Power Network System

OrgSsn-06kr-2   **Jae-il Park**

Development of a Smart Grid Energy Monitoring System

OrgSsn-06kr-3   **Jae-Hoon Kim, Dohoon Kim**

Design of User-Oriented Market Operations in a Smart Grid Ecosystem

OrgSsn-06kr-4   **Jin Young Choi and Jae-Hoon Kim**

An integrated framework of a simulator for the virtual test-bed in Smart Grid

July 27th (Tue)

M2 (Main Hall)   (9:00-10:50)

Keynote Talk II   **Chair: Dr. Shogo Shiode**

Mr. Masanori UEDA (Nissan Co.)

Challenges on Widespread Marketplace Acceptance of Electric Vehicles" - Towards zero emission mobility society -

Plenary Talk II   **Chair: Dr. Mitsuo Gen**

Prof. K. H. Kim and Prof. B.H. Hong (Pusan National Univ.)

Maritime Logistics and Applications of Information Technologies

Coffee Break (10:50-11:00)

M2 (Main Hall)   (11:00-12:00)

Plenary Talk III   **Chair: Dr. Xinjie Yu**

Prof. Hisao Ishibuchi (Osaka Prefecture University)

Memetic Algorithms for Evolutionary Multiobjective Combinatorial Optimization

TA-Aa   (11:00-12:20)

Decision making in semiconductor manufacturing   **Chair: Dr. Sheng-Hung Chang**

orgSsn12tw-1   **Jei-Zheng Wu, Chen-Fu Chien, Yung-Shang Huang, Hung-Ya Huang**

A Multi-Period Inventory Model to Incorporate with Inventory Age, Accounting Principle, and Product Structure: A Case Study in a Make-to-Stock Semiconductor Integrated Device Manufacturer

orgSsn12tw-2   **Wen-Chih Chen, Shu-Hsing Chung, Chih-Wei Lai**

Determine product family mix and priority mix for semiconductor fabrication considering demand variation

orgSsn12tw-3   **Jia-Nian Zheng, Kuo-Hao Chang, Chen-Fu Chien**
   A Simulation Optimization-based Framework for Capacity Planning under Uncertainty
orgSsn12tw-4   **Sheng-Hung Chang, Chun-I Yang, Pao-Yueh Wang**
   Limited number of open projects to shorten NPD schedule effectively
orgSsn12tw-5   **Chien-Lung Chan, Yu-Jean Chen, Ku-Ping Chen, Siou-Jyuan Chiu**
   Elderly Inpatient Fall Risk Factors: A Study of Decision Tree and Logistic Regression

TA-Ba   (11:00-12:20)

Quality Mang./Eng., Reliability and Maintenance 3	Chair: Dr. Maria Emilia Camargo

cie239tw-1   **Min-Hua Lo, Yun-Chia Liang, Jih-Chang Hsieh**
   A Modified Variable Neighborhood Search Algorithm for Orienteering Problems
cie412tw-1   **Tsui-Chiao Chao**
   Resampling-Based Variable Selection Technique and Its Application to Model Semiconductor E-Test Data
cie226ir-1   **Hashem Vahdani, Hashem Mahlooji and Abdolhamid Eshraghnia Jahromi**
   Warranty Servicing for Special Class of Multi-state Deteriorating Products under Renewing Free-replacement Warranty
cie243br-2   **Maria Emilia Camargo, Walter Priesnitz Filho, Suzana Leitao Russo, Angela Isabel dos Santos Dullius**
   Kalman Filter an Application In   Process Control

TA-Ca   (11:00-12:20)

Data Mining and Knowledge Discovery 2	Chair: Dr. Masahiro Inuiguchi

cie214jp-1   **Hirofumi Nonaka, Akio Kobayashi, Hiroki Sakaji, Yusuke Suzuki, Hiroyuki Sakai, Shigeru Masuyama**
   Extraction of the effect and the technology terms from a patent document
cie013tw-1   **ChienHsing Wu, Shu-Chen Kao, Koji Okuhara, Cheng Han Yang, Chung Han Yang**
   An Examination and Comparison of Conflicting Data in Granulized Datasets: EWI Vs. EFI
cie406kr-1   **Wookey Lee**
   Finding Steiner Trees for Web Information Retrieval
cie335jp-1   **Masahiro Inuiguchi, Yoshifumi Kusunoki, Masanori Inoue**
   Inducing Rules Considering Inclusion Relations between Conclusions

TA-Da   (11:00-12:20)

Human Factors, Industrial Ergonomics and Safety 2	Chair: Dr. An-Che Chen

cie197tw-1   **Dyi-Yih Michael Lin, Li-Chi Yeh**
   Impacts of TFT-LCD Polarity, Font Size and Line Space on Visual Performance with Age-difference Considerations
cie382th-1   **Putsadee Pornphol, Suphamit Chittayasothorn**
   Applying Conceptual Schema to the Design of Knowledge Management for Safety Activities
cie185tw-1   **Hung-Jung Tsai**
   A Theoretical Study of Slips with Particle Contamination
cie275tw-1   **An-Che Chen**
   Linking Service Quality to Perceived Operator-Computer Contribution in Customer Services

TA-Ea   (11:00-12:20)

Applied Operations Research 7   Chair: Dr. Sheng-Hung Chang

cie201ir-2   **Hadi Shirouyehzad, Farhad Hosseinzadeh Lotfi, Reza Dabestani**

Vendors' Efficiency Measurement; Using Data Envelopment Analysis

cie204tw-1   **Jr-Fong Dang, I-Hsuan Hong**

The Cournot Production Game with Entropy Spreads

cie092tw-1   **Sheng-Hung Chang**

Limited Number of Open Projects to Shorten NPD Schedule Effectively

cie306kr-1   **Ki Tae Kim, Geonwook Jeon**

A vehicle routing problem considering traffic situation with time windows by using hybrid genetic algorithm

TA-Fa   (11:00-12:20)

Supply Chain Management & Logistics 5   Chair: Dr. Chang Seong Ko

cie090tr-1   **Ismail Karaoglan, Fulya Altiparmak**

A Hybrid Genetic Algorithm for the Location-Routing Problem with Simultaneous Pickup and Delivery

cie284kr-1   **Chang Seong Ko, Ki Ho Chung, Hyun Jeung Ko, Friska Natalia Ferdinand**

Compromised Network Design Model for the Strategic Alliance of Service Centers and Consolidation Terminals in Express Courier Services

cie356kr-1   **YoungDae Ko, InJoon Noh, Hark Hwang**

Cost Benefits from Standardization of the Packing Glass Bottles

cie283kr-2   **Hae Kyung Lee, Taioun Kim**

Context and Preference-based Supply Chain Partner Selection Model using Fuzzy OWL

TA-Ga   (11:00-12:20)

Layout Design, Warehousing & Material Handling 2   Chair: Dr. Ehsan Shahbazi

cie317ir-1   **Mahdi Bashiri, Hossein Karimi**

An analytical comparison to heuristic and meta-heuristic solution methods for Quadratic Assignment Problem

cie163jp-1   **Shogo Shiode, Kuang-Yih Yeh, Hao-Ching Hsia**

On Optimal Location for Three Competitive Facilities

cie243br-4   **Maria Emilia Camargo, Walter Priesnitz Filho, Suzana Leitao Russo, Angela Isabel dos Santos Dullius, Eric Dorion**

Study of The Layout of a Steel Manufacturing Industry

cie187ir-2   **Ehsan Shahbazi**

Mathematical Modeling and Solution Development for "Dynamic Facility Layout Problem" In Job Shop Process Using Meta-heuristic Algorithms.

TA-Ha   (11:00-12:20)

Manufacturing Technologies 2   Chair: Dr. Chair: Yu Zhang

cie041th-1   **Channarong Rungruang, Somkiat Tangjitsitcharoen**

Investigation of dry cutting and mist cutting in ball end milling based on response surface analysis

cie040th-2   **Narongsak Pongsathornwiwat, Somkiat Tangjitsitcharoen**

Intelligent Monitoring and Detection of Chatter in Ball-End Milling Process on CNC Machining Center

cie244jp-1   **Hiroshi Hamori, Masatoshi Sakawa, Hideki Katagiri, Takeshi Matsui**

Fast Non-Contact Flat Panel Inspection through a Dual Channel Measurement System

cie388cn-1   **Yu Zhang, Yanhu Yin, Musheng Yang**

A New Selective Assembly Approach forRemanufacturing of Mating Parts

Lunch   (12:20-13:20)

A3   (13:20-14:40)

Tutorial Talk II   Chair: Dr. Toyokazu Nose

Prof. Xinjie Yu (Tsinghua University)

Introduction to Evolutionary Algorithms

TP-Bb   (13:20-14:40)

Project Development & Management 2   Chair: Dr. Yuji Mizukami

cie115kr-1   **Jung Man Lee, Young Hoon Lee**

Assignment problem with learning effect

cie246tw-1   **Larry Jung Hsing Lee, Jun-Der Leu**

Using Value Engineering and TRIZ for Better Business Process Management

cie022jp-1   **Yuji Mizukami, Hideo Owan**

From Sequential to Integrated R&D Process: Estimating the Impact of a Process Change in Automotive ECU Development on Flexibility and Product Quality

TP-Cb   (13:20-14:40)

Multi-Criteria Decision Making and Analysis 3   Chair: Dr. Sungmook Lim

cie225ir-3   **Javad Jassbi, Sohrab Khanmohammadi**

Determination of the fuzzy weights of criteria in MADM

cie110kr-1   **Bo Sung Kim, Jae Hyung Choi, Seung Bae Sim, Bong Ju Jeong**

An Optimization Model for Nation Greenhouse Gas Allocation among Developed Countries

cie202kr-1   **Sungmook Lim**

A Formulation of Cross-efficiency in DEA and its Applications

cie194tw-1   **Yu-Hsin Lin, Shiao-Ping Chan, Wei-Jung Shiang**

The Study of Critical Factors for Alternative Components Management

TP-Db   (13:20-14:40)

Web-based Applications, E-business and E-Commerce 2   Chair: Dr. Tseng-Chang Yen

cie372jp-1   **Moo Wan Kim, Kwang Sik Kim**

Trial of Communication Services Based on Wireless Ubiquitous Network

cie390tw-1   **Chih-Fong Tsai, Wei-Chao Lin, Chihli Hung**

Mobile Web Search by Query Specification: An Example of Google Mobile

cie172tw-1   **Tseng-Chang Yen**

The Management of Linux Virtual Lab by Dual Load-Balancing

TP-Eb   (13:20-14:40)

Applied Operations Research 8   Chair: Dr. F. Barzinpour

cie231ir-1   **M.B. Aryanezhad, S.M. Ghoreyshi, M. Karimi-Nasab, E. Noorollahi**

A New Lot Sizing Model for Deteriorating Items with Production Compressibility

cie231ir-2   **M.B. Aryanezhad, E. Noorollahi, M. Karimi-Nasab, S.M. Ghoreyshi**

Batch Sizing with Random Yield and Imperfect Inspection and Process Compressibility

cie231ir-4   **F. Barzinpour, M.B. Aryanezhad, M. Karimi-Nasab**

A New Lot Sizing Model for Controllable Processing Times and Inventory Deterioration

cie316tw-1   Jia-Nian Zheng, Kuo-Hao Chang, Chen-Fu Chien

A Simulation Optimization-based Framework for Capacity Planning under Uncertainty

TP-Fb   (13:20-14:40)

Supply Chain Management & Logistics 6   Chair: Dr. Chih-Hsiang Ko

cie147tw-1   Shin-Ming Guo, Chih-Wei Hou

Multi-Objective Optimization for VMI Operations in the LCD Supply Chain

cie183id-1   Jonrinaldi, David Zhengwen Zhang

Optimal Integrated Production and Inventory Cycles in a Whole Green Manufacturing Supply Chain Network with Coordination

cie183id-2   Jonrinaldi, David Zhengwen Zhang

An Integrated Production and Inventory Model for a Whole Green Manufacturing Supply Chain with Limited Contract Period and Capacity Constraints for Suppliers

cie138tw-1   Chih-Hsiang Ko

The Influence of Value Factors and Pricing Strategies on Product Development of Computer Peripherals

TP-Gb   (13:20-14:40)

Systems & Processes; Agile Manufacturing; ERP/APS 2   Chair: Dr. Ying-Chin Ho

cie201ir-1   Hadi Shirouyehzad, Mostafa Badakhshian, Reza Dabestani

The Relationship between TQM Factors and Successful ERP Implementation

cie130tw-1   Wen-Hsien Tsai, Sin-Jin Lin, Jau-Yang Liu, Kuen-Chang Lee, Wan-Rung Lin, Jui-Ling Hsu

Examining the Implementation Risks Affecting Different Aspects of Enterprise Resource Planning Project Success

cie312tw-1   Ying-Chin Ho, Teng-Sheng Su

The Machine Layout within a TFT-LCD Bay with an In-Line Stocker System and an RGV System

cie257kr-2   Sunhwa Lee, Sangil Lee, Bohyn Kim, Youngjae Choi, Kwangyeol Ryu

Extended Collaboration Process Modeling Method Enabling Model Verification

TP-Hb   (13:20-14:40)

Data Mining and Computational Intelligence   Chair: Dr. Hung-Cheng Tsai

cie058tr-1   Ayyuce Aydemir Karadag, Berna Dengiz

A Hybrid Approach of Heuristic and Exact Method for Crew Pairing Problem

cie191tw-1   Hung-Cheng Tsai, Chiao-Ying, ChenYu-Chun Hsu

Color Design Based on Color-to-flavor Synesthesia Using Fuzzy Computation

cie259ir-1   Roozbeh Yaghoobi , Mir B. Aryanezhad, Farhad Hosseinzadeh Iotfi

Application of Multi-Layer Recurrent Neural Network and Fuzzy Time Series in Input/Output Prediction of DEA Models: Real Case Study of a Commercial Bank

cie410tr-1   Caner Hamarat, Kemal Kilic

A Genetic Algorithm Based Feature Weighting Methodology

TP-Ib   (13:20-14:40)

Environment and Welfare Technology   Chair: Dr. *Tadanobu Misawa*

OrgSsn07jp-b1 Shinya Takano, Tadanobu Misawa, Tetsuya Shimokawa, Shigeki Hirobayashi

Experiment on Control of Decision-making in Prefrontal Cortex

OrgSsn07jp-a4   Ayako Sawada, Takashi Oyabu

Healing Effects of Foliage Plants using Physiological and Psychological Characteristic

OrgSsn07jp-b4   Shin-ichi Shibata,   Takashi Oyabu and Haruhiko Kimura

Characteristics of Plant Bioelectric Potential and Purification Function under LED Light

A3   (14:40-16:00)

Tutorial Talk III   Chair: Dr. Seren Ozmehmet Tasan

Prof. Lin Lin (Dalian University of Tech. & FLSI)

Network Modeling and Optimization for Engineering Applications

TP-Bc   (14:40-16:00)

Quality Mang./Eng., Reliability and Maintenance 4   Chair: Dr. Hsin-Hung Chen

cie243br-3   Maria Emilia Camargo, Gilberto Martins Santos, Suzana Leitao Russo

Applied Control Charts for Analysis of Quality Control

cie145br-1   Adriano Mendonca Souza, Rui Menezes

An Alternative Method for the Evaluation of a Multivariate Productive Process in Presence of Volatility

cie304tw-1   Hsin-Hung Chen, Liang-Hsuan Chen

A Fuzzy Goal Programming Approach for Decentralized Bi-level Optimization Problem with Imprecise Cooperation Relations

cie060id-1   Johan K. Runtuk

SME Cluster Development: A View from Stakeholders' and Customers' Perspectives

TP-Cc   (14:40-16:00)

Data Mining and Knowledge Discovery 3   Chair: Dr. Eri Domoto

cie067ir-1   Shahrzad Khosravi, Hamidreza Afshari

Information Resources Management: An Implementation Methodology

cie005jp-1   Koji Okuhara, Kuang-Yih Yeh, Hao-Ching Hsia, Hiroaki Ishii

Estimation of Geographical Advantage for Network both within and beyond the Region

cie319jp-1   Eri Domoto, Koji Okuhara, Shujiro Murayama

Communication Analysis for Student Support by Using Web Questionnaire

cie044tw-1   Te-sheng Li

Texture Classification using Wavelet Transform and Fuzzy Support Vector Machine

TP-Dc   (14:40-16:00)

Probabilistic and Statistical Models 2   Chair: Dr. Wei-Ming Wu

cie149tw-1   Chia-Chuan Chuang, Shang-Juh Kao

A Probabilistic Discard Congestion Control for Safety Information in Vehicle-to-Infrastructure Vehicular Network

cie190ir-2   Ahmad reza Fazeli Nahrekhalaji

Optimization of the Creep Feed Grinding Process by Means of Multivariate Statical Methods

cie391tw-1   Wei-Ming Wu

The Decomposition of Secondhand Ship Price --- An Application of Hedonic Regression Model

cie133kr-2   Kang-Min Kim, Sang-Heon Lee, James N. Eagle

Approximating the Poisson Scan and (λ-σ) Acoustic Detection Model with a Random Search Formula

TP-Ec (14:40-16:00)

Applied Operations Research 9	Chair: Dr. Kwei-Long Huang

cie045tw-2 Henyi Jen, yu-chen Lin

Using Markov Decision Analysis to Analyze Retention of Patients who Have Chronic Disease Prescriptions

cie301tw-2 Earl Juei Wang, Tai Sheng Su, Jia Yu Liu

Modeling Carbon Mitigation Alternatives through Efficiency Improvement for Power Plants

cie082tw-1 Kwei-Long Huang, Bang-Woei Hung

Hybrid Genetic Algorithms for Flowshop Scheduling with Synchronous Material Movement

cie090tr-2 Fatma Pinar Goksal, Ismail Karaoglan, Fulya Altiparmak

A Hybrid Particle Swarm Optimization for Vehicle Routing Problem with Simultaneous Pickup and Delivery

TP-Fc (14:40-16:00)

Supply Chain Management & Logistics 7	Chair: Dr. Jun-Der Leu

cie136kr-1 KwangSup Shin, YongWoo Shin, Sukho Kang, Jihye Kwon

Development of Risk Based Dynamic Path Finding Framework using Bayesian Belief Network

cie386fr-1 Sonia Rouibi, Patrick Burlat

The Impact of the Vendor Management Inventory on Supply Chain Performance

cie271tw-1 Jun-Der Leu, Li-Ting Huang

A MRP-II based Planning Method for the TFT-LCD Manufacturing

cie307hk-1 Xuan Qiu, George Q Huang, Ting Qu

Supply Hubs In Industrial Parks (SHIP): Research Perspectives

TP-Gc (14:40-16:00)

Information Technology 2	Chair: Dr. Hiroyuki Kawabe

cie148tw-1 Fu-Min Chang, Chih-Yu Wang, Shang-Juh Kao

A Slot-based BS Scheduling with Maximum Latency Guarantee and Capacity First in 802.16e Networks

cie151tw-1 Yu-Hsin Cheng, Chi-Yuan Chang, Chih-Ming Lu, Shang-Juh Kao

Ensuring Coverage Quality with Tolerable Interference through Optimizing the Deployment of BSs in Radio Frequency Communications

cie369jp-1 Hiroyuki Kawabe, Kimikazu Sugimori, Yuko Shimomura, Shuichi Seto

Mathematical Model and Computer Simulation of Text Reproduction Based upon "Quantity Rather Than Quality" Concept

TP-Hc (14:40-16:00)

Environmentally Conscious Manufacturing	Chair: Dr. Aries Susanty

cie230th-1 Premchai Moolla, Rungchat Chompu-inwai

Application of Cleaner Technology and Experimental Design for the Reduction of Chemical Substance Consumption in the Hard Disk Drive Arm Coil Assembly Process

cie078id-1 Aries Susanty, Darminto Pujotomo, Inggar Aris

Gap Analysis of CSR Implementation in SMEs Batik Tulis Lasem

cie208ir-2 Reza Radfar, Sadegh Abedi, Abas Toloie Ashraghi

Study of Products Strategies in Small and Medium Enterprises with implementing Goal Decision Making

TP-Ic   (14:40-16:00)

Aviation Service Application   Chair: Dr. M.G. Yoon

OrgSsn08kr-1   Jong-In Choi

Redesigning the Service Quality Measurement Factors for the Call Centers in Korean Airlines Market

OrgSsn08kr-2   Moon-Gil Yoon, Yoon Sook Song and H. Y. Lee

An Integrated Seat Allocation Model for Individual and Group Demand in Airlines

OrgSsn08kr-3   Minwoo Lee and Moon-Gil Yoon

Website Development Strategy for e-Commerce Success

OrgSsn08kr-4   Duk Young Yoon and Yeon Sang Jang

A study on Quality Evaluation for Travel Agency's Website

Coffee Break   (16:00-16:10)

TP-Bd   (16:10-17:30)

Project Development & Management 3   Chair: Dr. Javad Jassbi

cie155tw-1   Yu-Ting Li, Jiun-Yu Yu

A Real Options Model for Evaluating New Drug Discovery Projects in Pre-clinical Phase

cie225ir-1   Javad Jassbi, Sohrab Khanmohammadi

A New Approach for Predicting Project Duration Using Beta Shape Membership Functions and Simulation

cie225ir-2   Javad Jassbi , F. Babaie

Modeling the Process of Preparing Information and Communication Technology Master Plan for Manufacturing companies Through RUP Methodology

cie014ir-1   Kambiz Radman, Fatemeh Ghaleban Bakhshayesh

Stages of Business Planning for Designing/Establishment/Operating of Cold Storage Facilities

TP-Cd   (16:10-17:30)

Multi-Criteria Decision Making and Analysis 4   Chair: Dr. Kannan Govindan

cie253tr-1   Ferhan CEBI, Cengiz KAHRAMAN, Bersam BOLAT

A Multiattribute ABC Classification Model Using Fuzzy AHP

cie056dk-1   Kannan Govindan, Devika Kannan

A Bi Objective Reverse Logistics Network Design Model

cie296tw-1   Chun-Chih Chen, Ming-Chuen Chuan

An extended Kano model for deciding improvement priority of product attributes

cie061tw-1   Ya-Fen Lee,   Yun-Yao Chi

Using The Analytic Network Process to Establish a New Evaluation Model of Environment Livability

TP-Dd   (16:10-17:30)

System Simulation and Forecasting 2   Chair: Dr. Toshifumi Uetake

cie250tw-1   Cheng-An Tai, Yung-Lung Lee, Ching-Yuan Lin, Hiroaki Ishii

Earthquake Evacuation Shelter Feasibility Analysis Applying with GIS Model Builder

cie402kr-1   Jaeil Park

A Smart Factory Operation Method for a Smart Grid

cie325jp-1   Toshifumi Uetake, Xin Ma, Mitsuyoshi Horikawa, Takeo Takeno, Mitsumasa Sugawara

Development of Sales Management Support System for Agricultural Produce Using Sales Forecasting

Model

cie168jp-1   **Hajime Mizuyama, Yuto Maeda**

A Prediction Market System Using SIPS and Generalized LMSR for Collective-Knowledge-Based Demand Forecasting

TP-Ed   **(16:10-17:30)**

Applied Operations Research **10**   **Chair: Dr. Mehdi Toloo**

cie099tw-2   **Pei-Chun Wang, Jung-Fa Tsai, Wei-Nung Ma, Chia-Chien Lee**

An Efficient Global Optimization Approach for Solving Mixed-Integer Nonlinear Programming Problems

cie403tw-1   **Yung-Tsung Hou**

Evaluation of Retail Site Location Using Consumer Preference and Voronoi Models

cie321ir-1   **Mehdi Toloo, Somayeh Ghorbani, Zahra Molaee**

Ranking DMUs on the benchmark line with equal shadow prices

cie133kr-1   **MyungJin Choi, SangHeon Lee**

The Multiple Traveling Purchaser Problem

TP-Fd   **(16:10-17:30)**

Supply Chain Management & Logistics **8**   **Chair: Dr. Mehdi Seifbarghy**

cie164tw-1   **Yuan-Jye Tseng, Yu-Ju Su, Feng-Yi Huang**

Supplier Selection and Evaluation Models for a Design Change Scheme in Collaborative Manufacturing Environment

cie407tw-1   **Hsiao-Lan Wei, Pei-Hung Ju**

Dimensions of Social Capital and Supply Chain Knowledge Creation: The Mediating Role of Learning Information Exchange

cie411br-1   **Arieta Povidaiko, Marcelo Fernandes, Rodrigo Fraga Moreira, Arnaldo R. A. Vallim Filho**

A JAVA Router Based on Real Time Traffic Congestion Information

cie113ir-1   **Mehdi Seifbarghy**

Measurement of Supply Risk and Determining Supply Strategy, Case study: A Refrigerator Making Company

TP-Gd   **(16:10-17:30)**

Artificial Intelligence & Expert Systems **2**   **Chair: Dr. Kuentai Chen**

cie332kr-1   **YongWoo Shin, KwangSup Shin, BokYoung Kang, SukHo Kang**

Estimating Target Value of Key Performance Indicator Based on Kano Model

cie400sa-1   **Ehab A. Abdelhafiez, Fahd A. Alturki**

A Shaking Optimization Algorithm for Solving Job Shop Scheduling Problem

cie338tw-1   **Kuentai Chen, Ping-Yu Chang, Chien-Hsing Yeh**

Wafer Die Yield Prediction by Heuristic Methds

TP-Hd   **(16:10-17:30)**

Group Technology & Cellular Manufacturing **2**   **Chair: Dr. Terushige Honiden**

cie222ir-1   **Iraj Mahdavi, Mohammad Mahdi Paydar, Reza Kia, Samaneh Valipoor Khonakdari**

Designing a Mathematical Model for Intra-cell Layout of Dynamic Cellular Manufacturing Systems Considering Production Planning and System Reconfiguration

cie006jp-1   **Terushige Honiden, Shinji Shimizu**

An Integrated Design Method for Machine and Assembly Cell Formation

cie007tw-1   **Ching-Lien Hung, Lieh-Dai Yang, Wei-Liang Ku, Han-Ming Chow**

Prediction System of Magnetic Abrasive Finishing (MAF) On the Internal Surface of Cylindrical Tube

TP-Id   (16:10-17:30)

Maritime Logistics   Chair: Dr. Kap Hwan Kim

orgSsn09kr-1   **Kap Hwan Kim,   Jung Ho Lee**

Scheduling Ship Operations in Automated Container Terminals

orgSsn09kr-2   **Quang-Vinh Dang, Won-Young Yun, Ha-Won Kim**

Positioning Empty Containers under Dependent Demand

orgSsn09kr-3   **Gihong Kim, Bonghee Hong**

Event matching Technique for Multidimensional Range Predicate

orgSsn09kr-4   **Taejin Park, Minje Sohn, Kwang Ryel Ryu**

Optimizing Stacking Policies Using an MOEA for the Yard of an Automated Container Terminal

orgSsn09kr-5   **Bernardo N. Yahya, Jeonggwan Mo, Hyerim Bae, Hoon Lee**

Ontology-based Process Design Support tool for Vessel Clearance System

Banquet   (18:00-20:30, M2: Main Hall)

July 28th (Wed)

WA-Aa   (09:00-10:20)

Innovation and Optimization for Manufacturing Systems   Chair: Dr. Lin Lin

orgSsn-13cn-1   Jie Gao and Caijun Yang

A Multi-objective Genetic-Algorithm for Mixed-model Assembly Line Rebalancing Problems

orgSsn-13cn-2   XinChang Hao and Lin Lin

Solving On-line Rescheduling Problem by Interactive Adaptive-weight Evolutionary Algorithm

orgSsn-13cn-3   Lin Lin and Mitsuo Gen

An Adaptive Evolutionary Algorithm and Applying Methodology for The Operation Sequencing with Precedence Constraints

WA-Ba   (09:00-10:20)

Supply Chain Management & Logistics 9   Chair: Dr. Takashi Hasuike

cie153jp-1   **Takashi Hasuike**

Optimal Production Decision Based on Corporate Social Responsibility in the Supply Chain

cie113ir-2   **Mehdi Seifbarghy, Mohammad Reza Akbari, Mohsen Ssheikh Sajadieh**

Analyzing The Supply Chain Using SCOR Model In A Steel Producing Company

cie158hk-1   **Kit-Nam Francis Leung**

An integrated single-vendor single-buyer inventory model with partial backorders solved using the complete squares method

cie073jp-1   **Tomoko Kashima, KenjiLeibnitz, HiroakiIshii**

Using Rough Sets fo rDecision Making in Ambient Information Environments

WA-Ca   (09:00-10:20)

Quality Mang./Eng., Reliability and Maintenance 5   Chair: Dr. Soumaya Yacout

cie079ca-1   **Soumaya Yacout**

Fault Detection and Diagnosis in Condition Based Maintenance Using the Logical Analysis of Data

cie079ca-2   **Abderrazak Bennane, Soumaya Yacout**

Processing Missing and Inaccurate Data in a Condition Based Maintenance Database

cie417kr-1   **Youngjae Choi, Jeonghoon Shin, Honzong Choi, Seokwoo Lee**

Quality Management System for Web-based Collaboration in Mold & Die Industry

cie310ir-2   **Amirhossein Amiri, Marzieh Mehrjoo, Reyhaneh Ghajar, Fatemeh Hosseini**

Phase II Monitoring of Simple Linear Profiles under Decreasing Step Shifts

WA-Da   (09:00-10:20)

Human Factors, Industrial Ergonomics and Safety 3   Chair: Dr. Hsin-Hung Tu

cie039tw-1   **Pei-Chun Lin, Shih-Chin Li, Jenhung Wang, Chen-Cheng Chen**

Measurement of Military Aircrews' Ability to Adapt to Human-Use Centrifuge

cie166tw-1   **Hsin-Hung Tu, Chi-Yuang Yu**

Hole-Filling and Foot Measurement Extraction of the 3-D Foot Form Data by Template Matching Method

cie295jp-2   **Tetsuya Miyoshi, Yuki Ueno, Masao Nakagawa, Hidetoshi Nakayasu**

Urgent Evacuation Simulation in Aircraft Accident using AAMAS

cie295jp-1   **Hidetoshi Nakayasu, Masao Nakagawa, Tetsuya Miyoshi, Hiroaki Abe**

Human Cognitive Reliability Analysis on Driver by Driving Simulator

WA-Ea   (09:00-10:20)

Applied Operations Research 11   Chair: Dr. Hisatoshi Ishiguro

cie134tw-1   **Ta-Hui Yang, Jenn-Rong Lin, Yu-Chun Chang**

Strategic Design of Public Bicycle Sharing Systems Incorporating with Bicycle Stocks Considerations

cie154tw-1   **Feng-Cheng Yang, Chun-Nan Kuo**

A Time Window Rolling- and GA-Based Method for the ynamic Dispatching Problem in Photolithography Area

cie107hk-1   **Sin-Man Choi, Ximin Huang, Wai-Ki Ching**

Inducing Optimal Service Capacities via Performance-Based Allocation of Demand in a Queueing System with Multiple Servers

cie415tw-1   **Chien-Lung Chan, Yu-Jean Chen, Ku-Ping Chen**

Elderly Inpatient Fall Risk Factors: A Study of Decision Tree and Logistic Regression

WA-Ga   (09:00-10:20)

Layout Design, Warehousing & Material Handling 3   Chair: Dr. Abbas Mirakhorli

cie243br-1   **Maria Emilia Camargo, Rodrigo Marques de Almeida Guerra, Marta Elisete Ventura da Motta, Suzana Leitao Russo**

Identification of Bottlenecks in the Planning and Production Control: A Case Study

cie195ir-2   **Abbas Mirakhorli**

Application of Chance-Constrained Programming to Capacitated Single-Assignment Hub Covering Location Problem with Fuzzy Cover Radius

cie024tw-1   **Yavuz A. Bozer, Chi-Tai Wang**

A Graph-pair Representation and MIP Model Based Heuristic for the Unequal-area Facility Layout Problem

cie419tw-1   **Wu-Der Jeng, Meng-Shiun Tsai**

Scheduling Semiconductor Final Testing: A DBR Based Simulation Model

WA-Ha   (09:00-10:20)

Manufacturing Technologies 3   Chair: Dr. George Q Huang

cie140kr-1   **Jai-Kyung Lee, Seung Woo Lee, So-Jeong Nam, Jong Kweon Park**

Design of the Equipment Information Acquisition System for re-configurable and flexible shop floor

cie167ir-1   **Seyed Mojtaba Sajadi, Mir Mehdi Seyedesfahani, Kenneth Sorensen**

Production control in a network-failure prone manufacturing system with stochastic demand using improved response surface methodology

cie095th-1   **Kompan - Chomsamutr, Somkiat - Jongprasithporn**

The Cutting Parameters Design for Product Quality Improvement in Turning Operations: Optimization and Validation with Taguchi Method.

cie282hk-1   **George Q Huang, T. Qu, YingFeng Zhang, HD Yang**

RFID-Enabled Real-Time Manufacturing for Automotive Part and Accessory Suppliers

Coffee Break (10:20-10:30)

WA-Ab   (10:30-11:50)

Data Mining and Knowledge Discovery 4   Chair: Dr. Kazuhiro Takeyasu

cie054jp-1   **Kazuhiro Takeyasu, Yuki Higuchi**

Analysis of the Preference Shift of Customer Brand Selection among Multiple Genres and Its Matrix Structure

cie018jp-1   **Kazuhiro Takeyasu, Chie Ishio**

Consumers' Activities for Brand Selection

cie019jp-1   **Yasuo Ishii, Yuki Higuchi, Kazuhiro Takeyasu**

An Analysis of Consumer Attitudes to IC Cards

WA-Bb   (10:30-11:50)

Web-based Applications, E-business and E-Commerce 3   Chair: Dr. Shyh-ming Lin

cie042tw-1   **Shu-Chen Kao, Ya-Fen Tseng, Tzai-Zang Lee**

The Design of Personalized Knowledge Integration Platform Using Digitized Information Resources

cie188tw-1   **Shyh-ming Lin, Feng-cheng Chang**

Coordination of Multiple Distributed Design Chains Based On Congestion Games Model

cie052kr-3   **Yongjin (James) Kwon, Yongmin Park, Jungwan Hong, Sang C. Park**

E-Quality Control for Automotive Gear Housing Assembly Application

WA-Cb   (10:30-11:50)

Applied Operations Research 12   Chair: Dr. Hiroaki Ishii

cie075cn-1   **Chunjiang Zhang, Xiaojuan Wang*, Liang Gao**

Electromagnetism-like Mechanism Algorithm for Fuzzy Flow Shop Scheduling Problems

cie001jp-1   **Hiroaki Ishii, Xuesong Li, Teruo Masuda**

Single Machine Batch Scheduling Problem with Fuzzy Batch Size

cie305hk-1   **Haili Lu, George Q Huang, Qingyun Dai**

Heuristics and Genetic Algorithms for Minimizing Makespan of Assembly Jobs

cie012jp-1   **Hiroshi Noguchi**

Method to grasp the level of Daily Management and its Implementation

WA-Db   (10:30-11:50)

Supply Chain Management & Logistics 10   Chair: Dr. Li-Ting Huang

cie288cn-1   Zhong Yao
Using Returns Policies to Coordinate the Supply Chain with a Utility Risk Measure Retailer

cie180kr-2   Sung Hwa Ahn, Young Hae Lee, Min Kyu Hwang
A Framework for Measuring Performance of Service SCM

cie195ir-1   Abbas Mirakhorli
Multi-Objective Optimization of Reverse Logistics Network with fuzzy Demand and Return-product Using an Interactive Fuzzy Goal Programming Approach

cie170tw-1   Li-Ting Huang, Shin-Wei Hung, Jun-Der Leu
A Study on the Effects of Rolling Forecast with Different Information Sharing Models on Supply Chain Performance

WA-Eb   (10:30-11:50)

Evolutionary Algorithm and Industrial Applications   Chair: Dr. YoungSu Yun

orgSsn11kr-1   ReaKook Hwang, Hiroshi Katayama
Sequencing Problem for Mixed-Model Assembly Line in a Manual Boiler Plant

orgSsn11kr-2   Bongju Jeong, Jaehyung Choi, Jinmo Sung
Optimal Batch Sizing with Parallel Machines in Semiconductor Wafer Fabrication

orgSsn11kr-3   Jinmo Sung, Jaehyoung Choi, Bongju Jeong, Chiung Moon
The Sensitive Sequence of Operations with Precedence Constraints by an Adaptive Evolutionary Algorithm Constraints

orgSsn11kr-4   YoungSu Yun, Mitsuo Gen, Chiung Moon
Hybrid Genetic Algorithm using Similarity Coefficient Method for Precedence-constrained Sequencing Problems

WA-Gb   (10:30-11:50)

Supply Chain Management & Logistics 11   Chair: Dr. Kannan Govindan

cie355kr-1   Seungjin Oh, Kwangyeol Ryu, Mooyoung Jung
Framework for Evaluating Robustness of a Supply Network on the Supply Network Risks

cie395kr-1   Haipeng Zhang, Wooseok Ryu, Bonghee Hong, Chungkyu Park
A Test Data Generation Tool for Testing RFID Middleware

cie409tn-1   Omar Kallel, Ines Ben Jaafar, Lionel Dupont, Khaled Ghedira
Mutli-Agent Negotiation of Fair Contracts

cie056dk-2   Kannan Govindan, Maria Cristina Grigore, Devika Kannan
Ranking of Third Party Logistics Provider Using Fuzzy ELECTRE II

WA-Hb   (10:30-11:50)

Network Design and Operation   Chair: Dr. Seren O. Tasan

orgSsn10tr-2   Seren Ozmehmet Tasan, Mitsuo Gen
An integrated selection and scheduling for large-sized disjunctive network problems

orgSsn10tr-3   A. Serdar Tasan, Mitsuo Gen
A genetic algorithm based approach to vehicle routing problem with simultaneous pick-up and deliveries