

Technical Sessions

August 20, Thursday

15:00 – 18:00 Conf. Room No.3, 3F

2015 International Workshop on E-Commerce and Intelligent Manufacturing

Chairs: Prof. Dan Bai, Prof. Yunfu Huo (Dalian University, China)

SW-1

ICICIC2015-SW01

Design on Intelligent Home Temperature and Humidity Monitoring System Based on IOT Technology

Yunmei Qin, Baofeng Wang, Xi Zhao and Zumin Wang (China)*

SW-2

ICICIC2015-SW03

Combustible Gas Monitor System of Building Based on CAN Bus and Zigbee Technology

Jingying Wu, Baofeng Wang and Zumin Wang (China)*

SW-3

ICICIC2015-SW04

Structural Equation Modeling of Technology Professionals Training in the Knowledge Management

Dan Bai and Min Zuo (China)*

SW-4

ICICIC2015-SW05

Comparison between BP Neural Network and Structural Equation Model in C2C E-commerce Credit Evaluation

Dan Bai and Min Zuo (China)*

SW-5

ICICIC2015-SW06

A Study of Structures and Relationships on Work Values and Counter-Productive Work Behaviors

Wenbo Wang, Fangfang Wang, Bo Lin and Yang Shen (China)*

SW-6

ICICIC2015-SW07

A New Theory to Select Products Selling on Internet – The Product E-commerce Value Theory

Huipo Wang, Yunfu Huo and Zuoliang Lv (China)*

SW-7

ICICIC2015-SW08

The Strategy to Select an E-commerce Product – Based on the Framework of Product E-commerce Value

Huipo Wang, Yunfu Huo and Zuoliang Lv (China)*

SW-8

ICICIC2015-SW09

Empirical Study on the Relationship between Knowledge Stock and Knowledge Dissemination Efficiency in Network Organization

Bo Lin, Nanshun Jin and Yunfu Huo (China)*

SW-9

ICICIC2015-SW10

The Empirical Study on the Coal Price and Quantity of the Supply and Demand

– Based on VAR Model

Zuoliang Lv, Pingping Wang, Xiaojian Cui and Lin Jiang (China)*

SW-10

ICICIC2015-SW13

Abusive Supervision and Counter-Productive Work Behavior: The Mediating Effects of Psychological Contract Violation and the Moderating Effects of Emotional Intelligence

Nanshun Jin and Xin Chen (China)*

SW-11

ICICIC2015-SW14

Research on the Cost Optimization of Coal Enterprises Based on the Internal Value Chain Optimization

Wensheng Yang and Jinling Wang (China)*

August 21, Friday

11:10 – 12:40 Conf. Room No.1, 3F

A1: Models and Estimation

Chair: Dr. Jun-ichi Kushida (Hiroshima City University, Japan)

A1-1

ICICIC2015-SS07-07

Risk Analysis of Natural Disaster in South Korea Using Extreme Value Theory

Tae-Jin Lim (Korea)

A1-2

ICICIC2015-522

Incorporating Prior Knowledge in Solving System Identification Problem with Insufficient Samples Based on Pareto Optimality Concept

Mohd Ibrahim Shapiai, Zuwairie Ibrahim, Asrul Adam and Norrima Mokhtar (Malaysia)*

A1-3

ICICIC2015-610

Multivariate Time Series Segmentation Approach Based on Hidden Markov Models

Hongyue Guo, Zhubin Sun and Xiaodong Liu (China)*

A1-4

ICICIC2015-640

The Forecasting Innovation by Discrete Kalman Filter to Predict Non-Stationary Observations

Karin Kandananond (Thailand)

A1-5

ICICIC2015-707

A Calculation Method for Torque of Magnetic Coupling

Cunhe Li, Guofeng Wang, Yongsheng Zhao and Yunsheng Fan (China)*

A1-6

ICICIC2015-819

A Proposal for Multi-Period Production Planning Based on Linear Programming-Shapley Value Approach

Antonio Oliveira Nzinga Rene, Nobuyuki Ueno, Yuki Taguchi and Koji Okuhara (Japan)*

August 21, Friday

11:10 – 12:40 Conf. Room No.2, 3F

B1: Image Processing

Chair: Prof. Shinfeng D. Lin (National Dong Hwa University, Taiwan)

B1-1

ICICIC2015-119

P Systems-Based Fuzzy c-means Clustering Algorithm with Local Spatial Information for Image Segmentation

Jing Tan, Yanxiang Yang, Jun Wang, Ke Chen, Hong Peng and Ming Li (China)*

B1-2

ICICIC2015-125

An Algorithm for Scaling Binary Images Focused on Connectivity and Topology Preservation

Xin Chen, Yong Feng and Lianqiang Niu (China)*

B1-3

ICICIC2015-355

Object Tracking Using Particle Filter and Template Matching

Shinfeng D. Lin, Ting-Yi Chen and Jia-Jen Lin (Taiwan)*

B1-4

ICICIC2015-559

Fractal Image Coding Based on an Improved Gray-Level Transformation

Qiang Wang (China)

B1-5

ICICIC2015-814

3D Imaging Transmission via the Optical High Frequency System

Khomyuth Chaiwong, Preecha Promphan Yupapin and Kreangsak Tamee (Thailand)*

B1-6

ICICIC2015-SS13-05

Separable Geodesic Filtering for Fast Image Denoising

Dawei Guo, Min Cai and Aiqi Wang (China)*

August 21, Friday

11:10 – 12:40 Conf. Room No.3, 3F

C1: Soft Computing (1)

Chair: Prof. Fachao Li (Hebei University of Science and Technology, China)

C1-1

ICICIC2015-002

The General Weighted Moment Estimator of the Scale Parameter of the Two-Parameter Exponential Distribution under Multiply Type II Censoring

Shu-Fei Wu (Taiwan)

C1-2

ICICIC2015-010

Prediction Interval of the Future Observations of the Exponential Distribution under Multiply Type II Censoring

Shu-Fei Wu (Taiwan)

C1-3

ICICIC2015-149

Several Effect Probabilities for Fuzzy Events and Their Applications in Multi-Objective Programming

Zhanjing Wang, Jingduo Jie and Fachao Li (China)*

C1-4

ICICIC2015-151

Feature Analysis on Several Knowledge Change Rate-Based Attributes Importance Measure Methods

Fachao Li, Qihui Hu and Bokai (William) Zhao (China)*

C1-5

ICICIC2015-161

A Level Cut-Based Fuzzy Equilibrium Value Model and Its Application in Fuzzy Programming

Chenxia Jin, Fachao Li, Bokai (William) Zhao and Mingfang Li (China)*

C1-6

ICICIC2015-385

Research on Fuzzy Programming Method Based on Utility Frequency

Fachao Li and Yingjun Li (China)*

August 21, Friday

11:10 – 12:40 Conf. Room No.4, 2F

D1: Control System and Applications (1)

Chair: Prof. Kou Yamada (Gunma University, Japan)

D1-1

ICICIC2015-026

Sliding Mode Control of Switched Repeated Scalar Nonlinear Systems

Xinxin Liu, Xiaojie Su and Jianwei Zhang (China)*

D1-2

ICICIC2015-265

Information System Risk Control Method Based on Operation-Flow

Hongyu Yang and Xiang Cheng (China)*

D1-3

ICICIC2015-641

Humanoid Robot Pose Imitation with Similarity Evaluation Based on Gaussian Process

Yong Tang, Xiucheng Dong, Chao Wang and Qiuyan Yang (China)*

D1-4

ICICIC2015-788

Stabilization of Networked Control Systems under Actuator Saturation

Huanhuan Yuan, Hao Xu, Hongjiu Yang, Jinhui Zhang and Yuan Yuan (China)*

D1-5

ICICIC2015-824

A Design Method for Stabilizing Modified Smith Predictor for Non-Square Plants
with Multiple Time-Delays

Nghia Thi Mai, Kou Yamada, Takaaki Suzuki, Trung Duc Vu, Yu Shuto and Xiang Yu (Japan)*

D1-6

ICICIC2015-827

Robust Fault Detection of Nonlinear Markovian Jump Systems with Partly Unknown
Transition Probabilities

Jiangbin Shi, Yanyan Yin and Fei Liu (China)*

August 21, Friday

11:10 – 12:40 Cultivate Room, 2F

E1: Classification and Clustering

Chair: Prof. Hui Liu (Shanghai University of International Business and Economics, China)

E1-1

ICICIC2015-481

Classification Strategy Frame for the Hole of Incomplete Point Clouds Based on Sharp Feature

Yanju Liu, Xuefeng Dai, Honglie Zhang and Yanzhong Liu (China)*

E1-2

ICICIC2015-531

An Analysis of the Relatedness between Similarity Models for Words

Hui Liu (China)

E1-3

ICICIC2015-568

Fuzzy Margin Twin Support Vector Machine with Dual Membership

Qing Wu, Fei Xue and Yanyan Wang (China)*

E1-4

ICICIC2015-573

An Ontology Evolving-Driven Personalized Semantic Search System

Yi Liu, Yu Wang and Deli Yang (China)*

E1-5

ICICIC2015-628

A Method of Opinion Target Extraction Based on Syntactic Structure

Hongguang Sun, Yun Yang, Tieli Sun, Fengqin Yang and Guozhong Feng (China)*

E1-6

ICICIC2015-740

Study on Subjective Statement Screening of Product Reviews Based on the Feature Combination Method

Tieli Sun, Weiqiao Guan, Fengqin Yang, Hongguang Sun, Chuande Ji, Meijia Song and Yanwen Li (China)*

August 21, Friday

11:10 – 12:40 Xiangzhu Hall, 4F

F1: Innovative Computing with Applications (1)

Chairs: Prof. Huey-Ming Lee (Chinese Culture University, Taiwan)

Prof. Lily Lin (China University of Technology, Taiwan)

F1-1

ICICIC2015-SS08-01

Evaluating the Aggregative Risk Rate in Software Development Based on Level $(\lambda, 1)$ Interval-Valued Fuzzy Numbers

Huey-Ming Lee and Lily Lin (Taiwan)*

F1-2

ICICIC2015-SS08-02

Fuzzy Demand Quantity and Fuzzy Production Quantity Based on Statistical Data

Jershan Chiang, Lily Lin and Huey-Ming Lee (Taiwan)*

F1-3

ICICIC2015-SS08-03

The Processing Method of Security Data in Computer System

Lily Lin, Huey-Ming Lee and Tsang-Yean Lee (Taiwan)*

F1-4

ICICIC2015-SS08-05

A Communication Strategy Enhanced Diversity Herds Grey Wolf Optimizer for Multimodal Optimization

Chin-Shiuh Shieh, Trong-The Nguyen, Mong-Fong Horng and Thi-Kien Dao (Taiwan)*

F1-5

ICICIC2015-SS08-13

Implementing Mobile Learning Cloud Platform – A Case Study of Give Me Five

Wei-Yu Chen, Tai-Ning Yang and Heng-Sheng Chen (Taiwan)*

F1-6

ICICIC2015-SS08-17

Construction of Financial Distress Prediction Models Using Stepwise Regression and Data Mining Techniques

Yung-Ming Hsieh (Taiwan)

August 21, Friday

11:10 – 12:40 Lizhu Hall, 5F

G1: Intelligent Informatics

Chair: Prof. Tso-Bing Juang (National Pingtung University, Taiwan)

G1-1

ICICIC2015-171

Neural Network Compensation Application for Optical Fiber Hydrogen Sensor Based on the Virtual Instrument

Lujun Cui, Gaofeng Zhou, Huichao Shang and Guohui Zhang (China)*

G1-2

ICICIC2015-365

Fault Diagnosis of Subway Auxiliary Inverter Based on EEMD and SAPSO-RBFNN

Hong Zhao, Junwei Gao, Yongwei Zhu, Liang Cheng and Honghui Dong (China)*

G1-3

ICICIC2015-499

Modeling and Analyzing Performance of the Emergency Rescue Logistics System Based on Petri Nets

Ying Qu and Min Wang (China)*

G1-4

ICICIC2015-583

A New Rapid Conjugate Gradient Algorithm for Convolutional Neural Networks

Chao Zhang, Xi Peng, Yong Zhou and Zhenbao Liu (China)*

G1-5

ICICIC2015-812

Research of Crime Inversion Fuzzy Neural Network

Ping He and Kaiqi Zou (China)*

G1-6

ICICIC2015-821

Real Time Identification of User's Activity of Daily Life by Distance Type Fuzzy Reasoning Method

Bo Shen and Shuoyu Wang (Japan)*

August 21, Friday

13:40 – 15:40 Conf. Room No.1, 3F

A2: Computer Technologies for Intelligent Systems (1)

Chairs: Prof. Zhong Zhang (Toyohashi University of Technology, Japan)

Prof. Shunsuke Ishimitsu (Hiroshima City University, Japan)

A2-1

ICICIC2015-SS01-03

An Analysis of the Relationship between Rubber Hand Illusion and Body Image Change

Shuhui Zhou and Changjiang Li (China)*

A2-2

ICICIC2015-SS01-06

Research into Detecting Defects of Mirror Surface Products (Optimizing Parameters for an Inspection System by Genetic Algorithm)

Zhong Zhang, Dai Yamuro and Tetsuo Miyake (Japan)*

A2-3

ICICIC2015-SS01-10

Application of Wavelet Transform in Longitudinal Road Curve Recognition Technology

Weifeng Zhang, Lang Wei, Zhi'an Xia, Wenqiang Gui, Xingyue Zhang and Hua Feng (China)*

A2-4

ICICIC2015-SS01-11

Extraction of Human Gait Feature from Acceleration Data

Takuma Akiduki, Akira Uchida, Zhong Zhang, Takashi Imamura and Hirotaka Takahashi (Japan)*

A2-5

ICICIC2015-SS01-12

Japanese Historical Character Recognition Using Convolutional Neural Networks

Hikaru Sasaki, Tadashi Horiuchi and Satoru Kato (Japan)*

A2-6

ICICIC2015-SS01-16

Construction of a Car Following Driving Model for Driver Personal Characteristics Extraction

Zhong Zhang, Tatsuya Fujii, Tetsuo Miyake and Lang Wei (Japan)*

A2-7

ICICIC2015-SS01-17

Tire's Parameters Identification Based on the LuGre Friction Model

Tao Chen, Hongjing Feng and Miao Zhang (China)*

A2-8

ICICIC2015-659

On Evolutionary Genetic Algorithm in Path Planning for a USV Collision Avoidance

Yunsheng Fan, Xiaojie Sun, Guofeng Wang and Yongsheng Zhao (China)*

August 21, Friday

13:40 – 15:40 Conf. Room No.2, 3F

B2: Innovative Power System and Engineering Applications

Chairs: Prof. Chien-Yuan Liu, Prof. Cheng-Yi Chen (Cheng Shiu University, Taiwan)

B2-1

ICICIC2015-SS02-01

Self-Regulation Ground Faults Model for Microgrid Distribution

*Ting-Chia Ou, Shang-Jen Chuang, Chih-Ming Hong, Rong-Ching Wu, Ta-Peng Tsao
and Cheng-Yi Chen* (Taiwan)*

B2-2

ICICIC2015-SS02-03

Microprocessor-Based Dimmable Driver Design for LED Flat Panel Lighting

Cheng-Yi Chen, Cheng-Fu Yang, Kuan-Chin Lin, Chao-Wei Tang
and Chien-Yuan Liu (Taiwan)*

B2-3

ICICIC2015-SS02-06

The Design of the Directional Solidification Block in the Directional Solidification System Furnace

*Te-Ching Hsiao, Wei-Chen Hsieh, Chun-Fu Yang, Cheng-Yi Chen
and Chao-Ming Hsu* (Taiwan)*

B2-4

ICICIC2015-SS02-07

Hybrid ACO-MPSO Algorithm for Unit Commitment Problems with Power Flow and Environmental Constraints

Chih-Ming Hong, Ting-Chia Ou, Yuan-Hui Li, Rong-Ching Wu and Yen-Tso Lin (Taiwan)*

B2-5

ICICIC2015-SS02-08

Establishing the Smart Grid of the Home Area Network by Power Line Carrier

Rong-Ching Wu, Yen-Tso Lin, Chin-Chih Lai, Kuan-Ho Liu and En-Chih Chang (Taiwan)*

B2-6

ICICIC2015-SS02-09

The Research of a Synchronized Measurement System Based on Power Line Carrier Communication

Rong-Ching Wu, Kuan-Ho Liu, Chin-Chih Lai and Ting-Chia Ou (Taiwan)*

B2-7

ICICIC2015-SS02-11

A Multi-Fractal Multi-Permuted Multinomial Measurement for Unsupervised Image Segmentation

Sung-Tsun Shih and Lui Kam (Taiwan)*

B2-8

ICICIC2015-SS02-13

A Smart Limb-Strength Promoter System

Chien-Yuan Liu (Taiwan)

B2-9

ICICIC2015-SS02-14

Non-Intrusive Efficiency Estimation of Induction Motor Based on On-Site Measurements

Hung-Shiang Chuang, Ying-Chun Chuang and Chun-Hsiang Yang (Taiwan)*

August 21, Friday

13:40 – 15:40 Conf. Room No.3, 3F

C2: Human Science for Intelligent Systems (1)

Chair: Prof. Takeshi Yamakawa (Fuzzy Logic Systems Institute, Japan)

C2-1

ICICIC2015-048

Analysis and Comparison of Address Translation Based IPv6 Transition Mechanisms

Pyung Soo Kim, Eung Hyuk Lee and Mun Suck Jang (Korea)*

C2-2

ICICIC2015-SS03-01

Image Segmentation Using Fast Implementation of Level Set without Re-initialization

Phusanisa Lomthong, Pallop Huabsomboon and Masaaki Tamagawa (Thailand)*

C2-3

ICICIC2015-SS03-02

Numerical Simulation of Transport Process of Cytokine Concentration on a Neutrophil Membrane to Elucidate Mechanism of Chemotaxis

Masaaki Tamagawa and Tomoya Hirose (Japan)*

C2-4

ICICIC2015-SS03-03

Application of Independent Component Analysis to Improvement of Signal-to-Noise Ratio in Optical Wave Microphone

Hiroyuki Kawakami, Takashi Samatsu and Yoshito Sonoda (Japan)*

C2-5

ICICIC2015-SS03-04

Motion Controller Design for a Walking Support Robot Utilizing Acceleration and Speed Information of Desired Trajectory

Yina Wang and Shuoyu Wang (Japan)*

C2-6

ICICIC2015-SS03-05

Human Tracking Based on Particle Filter with Switching Observation Model

Keiichi Horio and Toutaro Nagasakiya (Japan)*

C2-7

ICICIC2015-SS03-06

Probability of Fuzzy Set Theory and Probability Amplitude of Quantum Neurons

Hiroyuki Matsuura and Katsumi Wasaki (Japan)*

C2-8

ICICIC2015-557

Brain-Computer Interface (BCI) Based Learning Support System Providing the Feedback on Learner's Emotions and Its Effect

Fan Zhang and Hajime Murao (Japan)*

August 21, Friday

13:40 – 15:40 Conf. Room No.4, 2F

D2: Intelligent Systems in Electrical Engineering and Management

Chairs: Prof. Meng-Hui Wang (National Chin-Yi University of Technology, Taiwan)

Dr. Pi-Chu Wu (China University of Technology, Taiwan)

D2-1

ICICIC2015-SS12-01

Posture Recognition for Interactive Human-Robot Based on Extension Theory

Neng-Sheng Pai, Che-Yuan Chang, Pi-Yun Chen and Ming-Yi Liao (Taiwan)*

D2-2

ICICIC2015-SS12-02

Multi-Objective Optimization Design of Variable-Frequency Induction Motor for Ceiling Fans Using Response Surface Methodology

Sy-Ruen Huang and Kuo-Hua Huang (Taiwan)*

D2-3

ICICIC2015-SS12-03

A Novel Fatigue Detection System Combining Eye Images and Brainwaves

Pi-Chu Wu, Meng-Hui Wang, Zhong-Yi Lee, Ming-Jhan Cai and Pi-Chuan Sun (Taiwan)*

D2-4

ICICIC2015-SS12-05

RFID Naming System Based on Low-Cost and Energy Consumption

Jui-Ho Chen, Wen-Tsai Sung and Hsiao-Pin Chao (Taiwan)*

D2-5

ICICIC2015-SS12-06

Implementation of DC Motor Position Control Using a CMAC-Neural Network Approach

Chin-Pao Hung, Wen-Cheng Pu and You-Cheng Lai (Taiwan)*

D2-6

ICICIC2015-SS12-07

Sensorless Direct Torque Control Induction Motor Drive with Adaptive Motor Resistance Parameters Identification

Yung-Chang Luo, Ying-Piao Kuo, Pi-Yun Chen and Cheng-Tao Tsai (Taiwan)*

D2-7

ICICIC2015-SS12-08

Application of Cerebellar Model Articulation Controller for Partial Discharge Pattern Recognition of XLPE Power Cables

Hung-Cheng Chen, Feng-Chang Gu, Ting-Jui Yang and Li-Qun Shang (Taiwan)*

D2-8

ICICIC2015-SS12-11

Smart Maximum Power Point Tracking in Photovoltaic Module Arrays under Partial Shading

Long-Yi Chang, Yi-Nung Chung, Kuei-Hsiang Chao and Hsueh-Chien Liu (Taiwan)*

August 21, Friday

13:40 – 15:40 Cultivate Room, 2F

E2: Models and Algorithms

Chair: Prof. Chao-Hsing Hsu (Chienkuo Technology University, Taiwan)

E2-1

ICICIC2015-SS16-01

Applying an Adjustable Image Technology to Track Multiple Crossing Objects

*Ming-Tsung Yeh, Tun-Chang Lu, Chao-Hsing Hsu, Yu-Xian Huang, Long-Yi Chang
and Yi-Nung Chung* (Taiwan)*

E2-2

ICICIC2015-SS16-04

The Innovative Product Design of the Energy-Saving Suction Light Ball

Rui-Lin Lin (Taiwan)

E2-3

ICICIC2015-SS16-05

A Study of the Teaching and Assessment for the “Creative Thinking and Methods” Course
Integrated with the Theory of Multiple Intelligences

Jing-Chen Xie (Taiwan)

E2-4

ICICIC2015-SS16-06

How does a Mobile Nursing App Play a Role in Job Retention of Nurses?

Ching-Kan Lo, Pei-Yuan Lee, Kuan-Kai Huang, Shang-Chi Chiang, Ya-Chiu Liao
and Cheng-Hung Chuang (Taiwan)*

E2-5

ICICIC2015-SS16-07

Multi-Target Segmentation in a Multi-Camera Surveillance Environment

Cheng-Hung Chuang, Chao-Ching Lee, Ye-Chi Wu, Kuan-Kai Huang, Ching-Kan Lo
and Yung-Chen Chou (Taiwan)*

E2-6

ICICIC2015-SS16-08

Implementation of Electrocardiogram Measurement Platform Based on Virtual Instrument

Yeong-Chin Chen, Sheau-Fang Shieh, Yuan-Chun Huang and Chao-Hsing Hsu (Taiwan)*

E2-7

ICICIC2015-SS16-09

A Power Quality Measurement System Based on the Cloud Computing Architecture
by Using Fourier Series and Zero-Crossing Algorithm

Yeong-Chin Chen, Hui-Yu Shen and Chao-Hsing Hsu (Taiwan)*

E2-8

ICICIC2015-389

Model Validation of Plant in Closed-Loop Based on Output Over-Sampling Scheme

Lianming Sun and Akira Sano (Japan)*

August 21, Friday

13:40 – 15:40 Xiangzhu Hall, 4F

F2: Innovative Computing with Applications (2)

Chairs: Prof. Huey-Ming Lee (Chinese Culture University, Taiwan)

Prof. Lily Lin (China University of Technology, Taiwan)

F2-1

ICICIC2015-SS08-07

Finding Users Attributes from User Common Interest on Social Networks

Rung-Ching Chen and Hendry (Taiwan)*

F2-2

ICICIC2015-SS08-08

Recommendation System for Daily Water Intake – Based on Fuzzy System

Dai Bin, Lei Xiao, Shunzhi Zhu and Rung-Ching Chen (China)*

F2-3

ICICIC2015-SS08-09

Classifications of Process Variance Faults Using Artificial Neural Networks and Multivariate Adaptive Regression Splines

Yuehjen E. Shao, Chia-Ding Hou, Yu-Jing Chou and Shih-Chieh Lin (Taiwan)*

F2-4

ICICIC2015-SS08-10

A Balanced DEMATEL Theory with Normalized Indirect Relation Matrix

Hsiang-Chuan Liu, Yih-Chang Ou, Hsien-Chang Tsai, Ben-Chang Shia and Jing-Ming Ju (Taiwan)*

F2-5

ICICIC2015-SS08-14

Going Concern Prediction Using Data Mining

Suduan Chen and Jimmy Lee (Taiwan)*

F2-6

ICICIC2015-SS08-15

Design of an Integrated Item Relational Structure Theory and Application with Q-Matrix in Web Environment

Hsueh-Fang Hsu, Hsiang-Chuan Liu, Yi-Ting Mai, Yen-Kuei Yu and Jing-Ming Ju (Taiwan)*

F2-7

ICICIC2015-346

All-Pairwise Multiple Comparison Procedures for Normal Mean Vectors

Tsunehisu Imada (Japan)

F2-8

ICICIC2015-820

Influence that Basic Mathematics Gives to Understanding of Economics

Junko Shibata, Koji Okuhara, Shintaro Mori and Shogo Shiode (Japan)*

August 21, Friday

13:40 – 15:40 Lizhu Hall, 5F

G2: Information System and Applications

Chair: Prof. Tzung-Pei Hong (National University of Kaohsiung, Taiwan)

G2-1

ICICIC2015-435

The Malware Detection of Android System Based on SVM

Lixia Xie and Binbin Zhao (China)*

G2-2

ICICIC2015-545

An Opinion Evolution Model Based on Social Reinforcement of Microblog Network

Quan Liu and Lili Rong (China)*

G2-3

ICICIC2015-647

IN-Rank: An Entropy-Based Informative Nodes Mining Method in Complex Software Network

Jiadong Ren, Yanling Li, Hongfei Wu, Yang Liu and Peng Zhang (China)*

G2-4

ICICIC2015-809

Agent-Based DNS Client Caching for Reducing Latency of Web Access

Tzung-Pei Hong, Sheng-Guang Lee, Been-Chian Chien and Shyue-Liang Wang (Taiwan)*

G2-5

ICICIC2015-810

Integration of WirelessHART into SCADA System and Information Applications

Chaiyan Wanmahajai, Teerawat Thepmanee and Sawai Pongswatd (Thailand)*

G2-6

ICICIC2015-815

Performance Measurement of a Cloud Logging System

Winai Wongthai and Aad van Moorsel (Thailand)*

G2-7

ICICIC2015-822

Epidemiological Modeling of Knowledge Propagation Represented by Scientific Publications and Regional Affiliation

Daniel Moritz Marutschke, Hajime Murao and Hitoshi Ogawa (Japan)*

G2-8

ICICIC2015-826

A Stochastic Activity-to-Performer Affiliation Binding Formalism in ICN-Based Workflow Models

Hyun Ahn and Kwanghoon Pio Kim (Korea)*

August 21, Friday

16:00 – 18:15 Conf. Room No.1, 3F

A3: Computer Technologies for Intelligent Systems (2)

**Chairs: Prof. Zhong Zhang (Toyohashi University of Technology, Japan)
Prof. Katsuhiro Inoue (Kyushu Institute of Technology, Japan)**

A3-1

ICICIC2015-SS01-02

An Improved Moving Objects Tracking Method Based on MeanShift Algorithm
Shiqing Ren and Yang Li (China)*

A3-2

ICICIC2015-SS01-04

Road Surface Condition Classification Method Based on Multi-Feature Fusion and SVM Classifier
Wei Yang, Lang Wei and Jingyu Liu (China)*

A3-3

ICICIC2015-SS01-05

Research on Preceding Vehicle Distance Measurement with Monocular Vision Based on Lane Plane Geometric Model
Lang Wei, Yongtao Liu, Weixin Zhou and Chunming Li (China)*

A3-4

ICICIC2015-SS01-07

Effects of High-Pass Filtered and Pitch-Shifted Auditory Feedback on a Singer's Pitch
Satoshi Iijima, Sho Seikoba, Shunsuke Ishimitsu and Masashi Nakayama (Japan)*

A3-5

ICICIC2015-SS01-08

Comparison of Vocal Tract Area Function Estimated from Audio Signal and MRI Analysis
Megumi Saito, Shunsuke Ishimitsu, Kazutaka Kasai, Kaori Ishii, Izumi Nishio
Kimiko Yamashita and Satoshi Horihata (Japan)*

A3-6

ICICIC2015-SS01-09

Evaluating Emotional Responses to Sound Impressions Using Heart Rate Variability Analysis of Heart Sounds
Kento Oue and Shunsuke Ishimitsu (Japan)*

A3-7

ICICIC2015-SS01-13

Novel Gradient-Adaptive Algorithm with Improved Convergence Property for Vehicle Noise Attenuation
Jie Ren and Shunsuke Ishimitsu (Japan)*

A3-8

ICICIC2015-SS01-14

Extraction and Equivalent Technology of Body Deformation for Accident Vehicle
Wangfang Yuan, Runxiu Hu, Lang Wei and Weifeng Zhang (China)*

August 21, Friday

16:00 – 18:15 Conf. Room No.2, 3F

B3: Innovative IT Applications

Chair: Prof. Dongsoo Kim (Soongsil University, Korea)

B3-1

ICICIC2015-SS05-01

Evaluating the Effects of New Information Systems Implementation: A Process Mining Based Approach

Hyukjin Kwon and Dongsoo Kim (Korea)*

B3-2

ICICIC2015-SS05-02

Smart Service Coordination and Management of Digital Space and Some Cases

Dongsoo Kim, Seung Sik Yoon and Taesoo Lim (Korea)*

B3-3

ICICIC2015-SS05-03

Simulation Tool for Placement of Surveillance Cameras

Tai-Woo Chang (Korea)

B3-4

ICICIC2015-SS05-04

A Study on Two-Factor Authentication Scheme for Secure IoT Environment

Youngran Hong, Jooyoung Kim and Dongsoo Kim (Korea)*

B3-5

ICICIC2015-SS05-05

A Study on the Basic Design of the System for the Effective Collection of the Voice of the Customer through the Previous Research Analysis

Hong Joo Lee, Hyeon-Hoe Kim and Sangjae Woo (Korea)*

B3-6

ICICIC2015-SS05-06

An Intelligent Disaster Evacuation System Using IoT Technologies

Taesoo Lim, Jangwon Choi and Dongsoo Kim (Korea)*

B3-7

ICICIC2015-SS05-07

Study on Advanced Development and Application of Micro Marine Robot for Maritime Domain Awareness

Hyun-Sik Kim and Gyusung Cho (Korea)*

B3-8

ICICIC2015-619

The Competence Indicator Research of Innovative Technology Education Course Development Theory and Practice

Kai-Chao Yao, Wei-tzer Huang and Jiunn-Shean Chiang (Taiwan)*

August 21, Friday

16:00– 18:15 Conf. Room No.3, 3F

C3: Human Science for Intelligent Systems (2)

Chair: Prof. Masahiro Nakano (Junshin Gakuen University, Japan)

C3-1

ICICIC2015-SS03-07

Simulation of Falling of Human Using a Robot

Masahiro Nakano, Hiroyuki Matsuura, Masaaki Tamagawa, Toru Yukimasa, Makoto Yamanaka and Masami Kubota (Japan)*

C3-2

ICICIC2015-SS03-08

The Calculation of Fall Using a Rigid Body Model in the Case that the Lower End Moves Freely

Toru Yukimasa (Japan)

C3-3

ICICIC2015-SS03-09

Human Motion Detection Based on Intelligent Wheelchair during Sitting Process

Xuetang Wu, Baiqi Sun, Hao Wang and Dechun Li (China)*

C3-4

ICICIC2015-SS03-10

Trend of the Subjective Evaluation Based on Visual Analog Scale and Likert Scale

Satoshi Watanabe, Naruki Shirahama, Hiroyuki Tsukamoto, Yuji Matsumoto Masafumi Nakagawa, Kazunori Miyamoto, Naofumi Nakaya, Masashi Tomita and Yukio Mori (Japan)*

C3-5

ICICIC2015-SS03-11

The Clinical Condition and Treatment Related to the Prognoses in the Patients with Cancer

Takako Nakamura, Toshihiko Koboyashi and Hinako Toyama (Japan)*

C3-6

ICICIC2015-SS03-12

Verification of the Difference between Aspiration Pneumonia and Other Forms of Pneumonia

Masumi Abe and Hinako Toyama (Japan)*

C3-7

ICICIC2015-505

A Combined L1/B1 Signal Acquisition Algorithm for a Dual-Constellation Software Receiver

Fei Xie, Jing Zhao, Weixing Qian and Yufei Xu (China)*

C3-8

ICICIC2015-562

Tracking Loops Design and Analysis for INS-Aided Receiver

Long-Hua Ma, Shao-Hui Huang, Xiao-Long Shi, Ming Xu and Fu-Chen Liu (China)*

August 21, Friday

16:00 – 18:15 Conf. Room No.4, 2F

D3: Optimization and Models

Chair: Prof. Umi Kalsom Yusof (Universiti Sains Malaysia, Malaysia)

D3-1

ICICIC2015-270

Immune-Based Approach for Optimizing Emergency Route Planning Problem: Case Studies

Mohd Nor Akmal Khalid and Umi Kalsom Yusof (Malaysia)*

D3-2

ICICIC2015-311

Selection of Medical Device Providers Using Straight-Line Unascertained Measure Method

Qinghai Si and Xiaobin Yuan (China)*

D3-3

ICICIC2015-340

A Survey on Bio-Inspired Multi-Agent System for Versatile Manufacturing Assembly Line

Mohd Nor Akmal Khalid, Umi Kalsom Yusof and Ku Munirah Ku Aman (Malaysia)*

D3-4

ICICIC2015-362

Genetic Algorithms for an Integrated Problem of Batch Production and Truck Delivery Scheduling with a Single Truck

Jaehyun Park, Kyung Park and Byung Soo Kim (Korea)*

D3-5

ICICIC2015-372

How Anthropometric Dimensions of the Thumb Affect Mobile Touch Interactions

Byung Soo Kim and Jaehyun Park (Korea)*

D3-6

ICICIC2015-510

A Kalman Filter Approach for Solving Unimodal Optimization Problems

Zuwaitie Ibrahim, Nor Hidayati Abdul Aziz, Nor Azlina Ab. Aziz, Saifudin Razali*

Mohd Ibrahim Shapiai, Sophan Wahyudi Nawawi and Mohd Saberi Mohamad (Malaysia)

D3-7

ICICIC2015-564

A Green Approach for a Bi-Objective Programming Inventory Routing Problem

Dongdong He, Qiuyan Zhong, Yi Qu, Peng Du and Zhengkui Lin (China)*

D3-8

ICICIC2015-596

Parameters Optimization and Interval Concept Lattice Update with Change of Parameters

Mingxia Li, Chunying Zhang, Liya Wang and Baoxiang Liu (China)*

August 21, Friday

16:00 – 18:15 Cultivate Room, 2F
E3: Control System and Applications (2)

Chair: Prof. Jinpeng Yu (Qingdao University, China)

E3-1

ICICIC2015-139

A Study on the Tracking Control of Oil Well's Working Fluid Level Based on the State-Dependent Switching Technique

Xiaoliang Wang, Zhaotian Gong, Yuxiang Wu and Dianfeng Zhang (China)*

E3-2

ICICIC2015-211

Reactive Power Sharing Using Multi-Microgrid Coordination Controller

Ming Li, Jun Wang, Yanxiang Yang, Zhang Sun, Yankun Xia and Ke Chen (China)*

E3-3

ICICIC2015-229

Reference Model-Based Passive Fault Tolerant Tracking Scheme Design for Hypersonic Vehicle with Actuator Faults

Zhifeng Gao, Zepeng Zhou, Jinxing Lin and Jing Zhao (China)*

E3-4

ICICIC2015-251

Adaptive Neural Tracking Control for Permanent Magnet Synchronous Motors Stochastic Nonlinear Systems

Ziyang Qu, Bing Chen, Shuhui Gao, Tantan Yang and Fatao Shi (China)*

E3-5

ICICIC2015-255

Cross-Layer Congestion Detection and Optimal Control Scheme in Ad Hoc Network

Yanping Teng, Xuefeng Dai, Mei Jin and Wencheng Gu (China)*

E3-6

ICICIC2015-301

Position Tracking Control for Permanent Magnet Synchronous Motors via Adaptive Neural Network Backstepping

Wei Li, Yumei Ma, Jinpeng Yu, Fatao Shi, Ziyang Qu and Quanwen Zhao (China)*

E3-7

ICICIC2015-335

Robust Control Design of a Robot Arm-and-Hand System Using Robust Right Coprime Factorization Approach

Yiping Chang, Yan Wang, Aihui Wang and Chunli Zhao (China)*

E3-8

ICICIC2015-339

Robust Control Design for IPMC Based on a Multi-Objective Particle Swarm Optimization-Based Operator Approach

Aihui Wang, Yiping Chang, Chunli Zhao and Yan Wang (China)*

August 21, Friday

16:00 – 18:15 Xiangzhu Hall, 4F

F3: Circuit System, Signal System

Chair: Prof. Kei Eguchi (Fukuoka Institute of Technology, Japan)

F3-1

ICICIC2015-046

Improvement of an Output Voltage Efficiency of a High Voltage Generator for Non-Thermal Food Processing Systems

Kanji Abe, Hirofumi Sasaki, Ichirou Oota and Kei Eguchi (Japan)*

F3-2

ICICIC2015-047

A Negative Fibonacci-Like Converter for Mobile Back-Lighting Applications

Kei Eguchi, Kanji Abe, Kuniaki Fujimoto and Hirofumi Sasaki (Japan)*

F3-3

ICICIC2015-191

Boost Circuit Design of High Power Factor Based on the L6562A

Wenge Ma, Jinxing Chen and Liming Zhang (China)*

F3-4

ICICIC2015-259

Application of Tissue P Systems in Optimal IIR Filter Design

Fengjuan Wang, Hui Liu, Jie Jin, Hong Peng and Jun Wang (China)*

F3-5

ICICIC2015-386

Application of Superconducting Fault Current Limiter to an Offshore Substation for Low Voltage Ride Through (LVRT) Capability Enhancement

Won-Sik Moon, Jae-Sun Huh, Jin-Seok Kim, Ara Jo and Jae-Chul Kim (Korea)*

F3-6

ICICIC2015-681

Design of a Threshold Automatic Compensation Circuit for a Voltage Controlled Oscillator Using a Schmitt-Trigger Circuit with CMOS Inverters

Yujiro Harada, Mitsutoshi Yahara, Kei Eguchi and Kuniaki Fujimoto (Japan)*

F3-7

ICICIC2015-779

Study on Minimal Feature Selection for Android Malware Detection

Huixiang Zhang, Chunlei Chen, Jinghua Li and Yi Luo (China)*

August 21, Friday

16:00 – 18:15 Lizhu Hall, 5F

G3: Data Processing and Knowledge Discovery

Chair: Prof. Jianping Yu (Yanshan University, China)

G3-1

ICICIC2015-115

Parallel Collaborative Filtering Recommendation Algorithm Based on GPU Cluster in the AWS Cloud

Jianming Li, Zhangli Sha and Xiangpei Hu (China)*

G3-2

ICICIC2015-240

A Method of Structural Partial Ordered Attributes Diagram for the Composition Structures of Prescription and Knowledge Discovery

Fengjie Fan, Wenxue Hong, Jialin Song, Shaoxiong Li and Cunfang Zheng (China)*

G3-3

ICICIC2015-465

Developing a Career Capital System for Employability by Mixed Models

Wen-Ching Chou and Dian-Fu Chang (Taiwan)*

G3-4

ICICIC2015-470

Partial Ordered Structure Radial Tree: A New Method for Big Data Visualization

Wenxue Hong, Fang Sun, Shaoxiong Li, Jialin Song and Cunfang Zheng (China)*

G3-5

ICICIC2015-471

A Novel Approach to Mine Software Similar Execution Paths Based on Node Rank

Haitao He, Yang Liu, Jun Dong, Jiadong Ren, Hongfei Wu and Yanling Li (China)*

G3-6

ICICIC2015-520

The Knowledge Discovery of Near-Infrared Spectroscopy Based on Attribute Partial Ordered Structure Diagram

Jialin Song, Boni Wang, Wenxue Hong and Shaoxiong Li (China)*

G3-7

ICICIC2015-549

A Rule-Extraction-Based Optimization Method for Feature Selection in Word Sense Disambiguation

Hongbo Li, Jianping Yu and Wenxue Hong (China)*

G3-8

ICICIC2015-550

Data Mining of Chinese Students' Performance in BEC International Examination

Lian Jiang, Jianping Yu and Wenxue Hong (China)*

G3-9

ICICIC2015-589

Research on Ontology-Based Hybrid Information Retrieval Computational Model

Binbin Yu and Xiquan Yang (China)*

August 22, Saturday

8:20 – 10:20 Conf. Room No.1, 3F

A4: Fuzzy Logic and Fuzzy Control

Chair: Prof. Guixiang Wang (Hangzhou Dianzi University, China)

A4-1

ICICIC2015-020

Representation of Uncertain Information and Applications Based on Gaussian Type Fuzzy Numbers

Yumei Zhou and Guixiang Wang (China)*

A4-2

ICICIC2015-249

Observer-Based Adaptive Fuzzy Control for a Class of Nonlinear Strict-Feedback Systems

Tantan Yang, Bing Chen, Shuhui Gao and Ziyang Qu (China)*

A4-3

ICICIC2015-419

Model and Application of Fuzzy Control Scientific and Technological Evaluation

Hui Wang, Jing Wang and Baofeng Shi (China)*

A4-4

ICICIC2015-609

Single Input Fuzzy Logic Controller for Flexible Joint Manipulator

Mohd Riduwan Ghazali, Zuwairie Ibrahim, Mohd Helmi Suib, Muhammad Salihin Saelal and Mohd Zaidi Mohd Tumari (Malaysia)*

A4-5

ICICIC2015-SS13-01

Decentralized Control of Switched T-S Fuzzy Interconnected Systems with Actuator Saturation

Wei Yang and Shaocheng Tong (China)*

A4-6

ICICIC2015-SS13-03

The Design and Application of Interval Type-2 Fuzzy Hybrid System Based on Time Series Prediction

Tiantian Qin, Tao Wang, Xiaolei Guo and Qiufeng Fan (China)*

A4-7

ICICIC2015-SS13-04

Observer-Based Hybrid Adaptive NN Decentralized Control for Nonlinear Interconnected Systems

Dan Zhang and Yongming Li (China)*

A4-8

ICICIC2015-SS13-06

Adaptive Fuzzy Backstepping Control Design for a Class of Switched Nonlinear Systems with Unknown Dead-Zone

Yingxue Hou and Shaocheng Tong (China)*

August 22, Saturday

8:20 – 10:20 Conf. Room No.2, 3F

B4: Construction Management

Chair: Dr. Hsi-Chi Yang (Chung Hua University, Taiwan)

B4-1

ICICIC2015-SS04-01

Computing Techniques in Nonlinear Finite Element Analysis for Earth Retaining Structures

Hsi-Chi Yang and Tsung Pin Tsai (Taiwan)*

B4-2

ICICIC2015-SS04-02

Establishment of Green Energy Management Evaluation Framework in Sustainable Buildings

Hsi-Chi Yang and Yung-Hsin Lo (Taiwan)*

B4-3

ICICIC2015-SS04-03

Using Fuzzy Delphi Methods to Develop Indices for Evaluating Natural and Cultural Ecology Scenic Areas

Yee-Chaur Lee, Wei-Ling Hsu and Hsin-Lung Liu (Taiwan)*

B4-4

ICICIC2015-SS04-04

The Application of AHP in Evaluating Gondola Construction Project

Hsin-Lung Liu, Yee-Chaur Lee and Wei-Ling Hsu (Taiwan)*

B4-5

ICICIC2015-SS04-06

Applications of Lightness Perspective on Shaders to Enhance Visual Performance in 3D Games

Yung-Piao Chiu, Hung Sun and Kai-Tung Liu (Taiwan)*

B4-6

ICICIC2015-SS10-01

Development of the Motion Control for a Robot Arm

Shen-Ta Su and Kuo-Lan Su (Taiwan)*

B4-7

ICICIC2015-SS10-02

An On-Line Power Detection System Design Using Improved Redundant Management Method

Jr-Hung Gou, Kuo-Lan Su, Chih-Hung Chang and Yi-Lin Liao (Taiwan)*

B4-8

ICICIC2015-SS10-06

Effects of Corporate Governance on the Cost Efficiency of the Banking Industry

– A Comparison of Taiwan and China

Cheng-Ping Cheng, Yung-Ming Hsieh and Wei-Cheng Chang (Taiwan)*

B4-9

ICICIC2015-829

Hedgehog: Team Formation System Learning Performance of Team

Shuhei Miyake and Hajime Murao (Japan)*

August 22, Saturday

8:20 – 10:20 Conf. Room No.3, 3F

C4: Human Science for Intelligent Systems (3)

Chair: Dr. Ritsuko Imamura (Kyushu Institute of Technology, Japan)

C4-1

ICICIC2015-SS03-13

Removal of EOG Artifacts from EEG Recordings with High-Speed Eye Tracking
Guangyi Ai, Naoyuki Sato, Balbir Singh and Hiroaki Wagatsuma (Japan)*

C4-2

ICICIC2015-SS03-14

Detection of Prominent Regions Using Global and Local Saliency Measurements
Ibuki Kuwata, Joo Kooi Tan, Hyoungseop Kim and Seiji Ishikawa (Japan)*

C4-3

ICICIC2015-SS03-15

Pedestrians Detection and Extracting Their Attributes by a Self-Wearable Camera
Sakai Ryuichi, Joo Kooi Tan, Hyoungseop Kim and Seiji Ishikawa (Japan)*

C4-4

ICICIC2015-SS03-16

A Method of Traffic Sign Detection from Ego Camera Images
Takaki Kumano, Joo Kooi Tan, Hyoungseop Kim and Seiji Ishikawa (Japan)*

C4-5

ICICIC2015-SS03-17

A Proposal of Image Color Pre-Conversion for the Elderly Employing Neural Networks
Hideaki Kawano, Kouichiro Hayashi, Hideaki Orii and Hiroshi Maeda (Japan)*

C4-6

ICICIC2015-SS03-18

Training System for Brain Estimating Time
Takeshi Yamakawa and Ritsuko Imamura (Japan)*

C4-7

ICICIC2015-SS03-19

Physical Exercise Program for Persons with Intellectual Disability
Ritsuko Imamura and Takeshi Yamakawa (Japan)*

C4-8

ICICIC2015-469

Detecting Students' Online Entrepreneurial Activities by Fuzzy Statistics
Dian-Fu Chang, Wen-Ching Chou and Fong-Yee Nyeu (Taiwan)*

August 22, Saturday

8:20 – 10:20 Conf. Room No.4, 2F

D4: Recognition

Chair: Prof. Cheng Cai (Northwest A&F University, China)

D4-1

ICICIC2015-225

Improved Kernel Principal Component Analysis Algorithm for Network Intrusion Detection
Dahui Li, Xin He and Xuefeng Dai (China)*

D4-2

ICICIC2015-295

Combination of Interactive Feature Extraction Using Quadratic Map and Feature Selection Using Genetic Algorithm
Jing Li, Cunfang Zheng and Wenxue Hong (China)*

D4-3

ICICIC2015-299

A Novel Ultrasonic Method of Large-Diameter Piles Defect Type Detection Based on WPD and PNN
Lixin Zhang, Huijian Li, He Wang and Zhibin Song (China)*

D4-4

ICICIC2015-371

Traffic Sign Localization Based on Edge-Color Pair and Feature Filters
Wenju Li, Haifeng Li, Tianzhen Dong, Jianguo Yao and Xiangjian He (China)*

D4-5

ICICIC2015-506

Tracking of Person from Moving Images Taken by Sparsely Distributed Cameras Using MSER and GEI
Koutarou Takemura and Shigeyoshi Nakajima (Japan)*

D4-6

ICICIC2015-592

The Occluded Multi-Target Tracking Based on Local Analysis of Gray & Edge
Mingli Luo, Xiaohui Luo, Hong Peng and Zhongwu Sun (China)*

D4-7

ICICIC2015-695

Weed Seeds Identification Based on Interlacing PCA Net
Cailing Liu and Cheng Cai (China)*

D4-8

ICICIC2015-SS08-11

Surface Roughness Prediction in CNC End Milling Machining Using Artificial Neural Networks
Ming-Kun Chang and Wen-Jie Chang (Taiwan)*

August 22, Saturday

8:20 – 10:20 Cultivate Room, 2F

E4: Construction Engineering Technology

Chair: Prof. Yan-Chyuan Shiau (Chung Hua University, Taiwan)

E4-1

ICICIC2015-SS20-01

Sewerage Pipe-Jacking Construction: Sewerage Systems in Taichung

Yun-Piao Chiu, Yan-Chyuan Shiau, Ming-Wu Chan and Cheng-Tai Li (Taiwan)*

E4-2

ICICIC2015-SS20-02

Examining Factors Influencing Precision of Top-Down Steel Column Construction and Counterstrategies for Deviation

Yee-Chaur Lee, Yan-Chyuan Shiau, Guo-Chin Lee and Pei-Chun Tai (Taiwan)*

E4-3

ICICIC2015-SS20-03

Territory Development Innovation Strategy of the Intelligent Science Park: Developing the Intelligent Park

Ming-Ling Yang and Hung-Nien Hsieh (Taiwan)*

E4-4

ICICIC2015-SS20-04

Developing an Assessment Technology for Evaluating Natural Gas Disaster Potential

Ching-Jung Chang, Ming-Shou Ho, Chih-Yen Chou and Chia-Pan Chen (Taiwan)*

E4-5

ICICIC2015-SS20-05

Application of GIS with Type Control in Urban Regeneration Process

Yi-Yin Tsai (Taiwan)

E4-6

ICICIC2015-SS20-06

Application of BIM in Sustainable Community Maintenance Management System

Meng-Chia Yeh, Yan-Chyuan Shiau and Ching-Jung Kuo (Taiwan)*

E4-7

ICICIC2015-SS20-07

Patent Analysis and Technological Development for Concrete Mineral Admixtures

I-Tsen Liu, Chih-Ming Wu and Shao-Tsai Cheng (Taiwan)*

E4-8

ICICIC2015-SS20-08

New Reverse Converter Design for 4-Moduli Set $\{2^{2n}, 2^{n+1}-1, 2^{n/2}+1, 2^{n/2}-1\}$

Siang-Min Siao, Ming-Hwa Sheu, Yin-Tsung Hwang, Yi-Ci Wang and Kuan-Ta Lee (Taiwan)*

August 22, Saturday

10:40 – 12:40 Conf. Room No.1, 3F

A5: Management Science and Engineering (1)

Chair: Prof. Xuping Wang (Dalian University of Technology, China)

A5-1

ICICIC2015-003

Multi-Attribute Decision Making for Modeling Supplier Selection of E-Procurement

Yanning Guo, Yi Qu and Yanzhang Wang (China)*

A5-2

ICICIC2015-014

The Research on Listed Tourism Companies Growth Based on Fuzzy Comprehensive Evaluation Model

Weiling Su, Xinyuan Liu and Shanshan Zha (China)*

A5-3

ICICIC2015-030

Power Quality Evaluation with Set Pair Analysis Model Based on Entropy Weight

Hui Wang, Hui Jin, Jicheng Liu, Qiushuang Wei and Nana Cai (China)*

A5-4

ICICIC2015-109

Financial Risk Propagation Model Based on Pattern Based Spectral Clustering in Directed Weighted Network

Sumuya Borjigin (China)

A5-5

ICICIC2015-179

Considering Recycling Channels of Automotive Life Cycle Impact Assessment Study

Nannan Du, Li Cui and Qinghua Zhu (China)*

A5-6

ICICIC2015-325

A Construction Method of Emergency Domain Ontology Based on Scenario

Xiuli Yu and Xuping Wang (China)*

A5-7

ICICIC2015-576

Two Integral-Based Methods for Evaluating Intelligent Agricultural Greenhouses with Fuzzy Information

Junhu Ruan, Yanbing Yang, Xuping Wang, Baofeng Shi and Yan Shi (China)*

A5-8

ICICIC2015-830

Analysis on the Order Behavior of Retailer with Consideration of Bounded Rationality

Kejun Fu, Dianming Geng, Dehua Gao and Yongqing Yang (China)*

August 22, Saturday

10:40 – 12:40 Conf. Room No.2, 3F

B5: Natural Language Processing and Knowledge Discovery

Chair: Prof. Yao Liu (Institute of Scientific and Technical Information of China, China)

B5-1

ICICIC2015-SS06-01

Automatic Extraction and Quantitative Analysis of Chinese Separable Words

Baorong He and Likun Qiu (China)*

B5-2

ICICIC2015-SS06-02

Research on Classification of Topic Sentences Combined with Term Recognition

Hui Liu and Yao Liu (China)*

B5-3

ICICIC2015-SS06-03

The Analysis of Sentences Containing Words with Multiple Heads Based on Chinese Semantic Dependency Graph

Yanqiu Shao and Lijuan Zheng (China)*

B5-4

ICICIC2015-SS06-04

Extracting Fine-Grained Chinese Sentiment Expressions from an Unlabeled Corpus with a Pattern-Based Approach

Ge Xu (China)

B5-5

ICICIC2015-SS06-05

Automatic Interpretation of Chinese Noun Compounds Based on Word Similarity

Meng Wang, Lulu Wang, Na Tian and Bin Li (China)*

B5-6

ICICIC2015-SS06-06

Research and Development of Semantic Annotation Platform for Scientific Literature

Yao Liu, Ziyuan Zhang and Yi Huang (China)*

B5-7

ICICIC2015-SS06-07

Lexical-Semantic Constraints on the Semantics-to-Syntax Projecting: A Case Study of Location

Shiyong Kang, Minghai Zhou and Linlin Shi (China)*

B5-8

ICICIC2015-SS06-08

An Atomic Structure Model (ASM) for Evaluating English-Language Scientific Journals Published in Non-English Countries

Zheng Ma, Wenjie Xu, Zhenglu Yu and Haiyan Wang (China)*

B5-9

ICICIC2015-SS06-09

Research on Chinese Noun + Noun Compounds Semantic Classification and Automatic Interpretation

Min Gu, Yanhui Gu, Fang Xu, Bin Li, Bin Zhao and Weiguang Qu (China)*

August 22, Saturday

10:40 – 12:40 Conf. Room No.3, 3F

C5: Soft Computing (2)

Chair: Prof. Feng-Tse Lin (Chinese Culture University, Taiwan)

C5-1

ICICIC2015-129

Evaluation of Innovative Knowledge Spillover Effects Based on DEA

Hongqi Hui, Fachao Li and Jie Qi (China)*

C5-2

ICICIC2015-303

Comparison between Possibility Grade-Based and Centroid-Based Fuzzy

Robust Regression Model

Yoshiyuki Yabuuchi (Japan)

C5-3

ICICIC2015-567

Research on Human Reliability of Coalminers Based on Fuzzy Comprehensive Evaluation Method

Qiao Zhang and Guishi Deng (China)*

C5-4

ICICIC2015-600

Combination Weighting - Unascertained Measurement Model of Green Mining Ecological Mine Construction

Xiangyang Ren, Tingting Sun and Qingkui Cao (China)*

C5-5

ICICIC2015-660

Tree Based Differential Evolution Based on Coevolution

Jun-ichi Kushida, Akira Hara and Tetsuyuki Takahama (Japan)*

C5-6

ICICIC2015-677

Research on Supply Chain Financing Risk Assessment of China's Commercial Banks

Xiaoyu Li, Pengjie Zhang, Kai Zhang and Yarong Li (China)*

C5-7

ICICIC2015-807

Fuzzy Shapley Value Based on Linear Solvable Formulation

Koji Okuhara and Ryo Haruna (Japan)*

C5-8

ICICIC2015-816

Conducting Experiments on Setting Control Parameter Values and Choosing Mutation Strategies in Differential Evolution

Feng-Tse Lin (Taiwan)

August 22, Saturday

10:40 – 12:40 Conf. Room No.4, 2F

D5: Industrial and Information Systems Engineering

Chair: Prof. Wonil Hwang (Soongsil University, Korea)

D5-1

ICICIC2015-SS19-01

Comparison of Service Interfaces Based on Industry and Service Process

Ha-Na Lee and Wonil Hwang (Korea)*

D5-2

ICICIC2015-SS19-02

Design Factors for Service Interfaces

Ha-Na Lee and Wonil Hwang (Korea)*

D5-3

ICICIC2015-SS19-03

Information Delivery through Visual and Auditory Icons

Ha-Na Lee and Wonil Hwang (Korea)*

D5-4

ICICIC2015-SS19-04

Ergonomic Placement of Large Shared Visual Display by Electromyography

*Chang-Yul Ok, Myung Soo Cha, Seong Min Yang, Hyunhee Jung, Mahnwoo Kwon
Jae Woong Shim and Hong-In Cheng* (Korea)*

D5-5

ICICIC2015-SS19-05

Mathematical Model for Aggregate Collaboration Planning with Slot Chartering in Liner Shipping

Youngjun Ko, Ki Ho Chung and Chang Seong Ko (Korea)*

D5-6

ICICIC2015-SS19-06

Allocation Policies for Collaborative Delivery in Express Courier Services

Chang-Yul Ok, Friska Natalia Ferdinand, Ki Ho Chung and Chang Seong Ko (Korea)*

D5-7

ICICIC2015-SS19-07

Strategic Partnership Model for Pick-up and Delivery Routing in Express Courier Services
Based on Shapley Value Allocation

Eun Gyeong Lee, Hong Bae Kim, Hae Kyoung Lee and Chang Seong Ko (Korea)*

D5-8

ICICIC2015-560

Implementation of Directional Characteristics by Real-Time Processing of Sounds Observed
by Two Microphones

Kiyoteru Hayama, Takaaki Ishibashi, Chiharu Okuma and Hiromu Gotanda (Japan)*

August 22, Saturday

10:40 – 12:40 Cultivate Room, 2F
E5: Intelligent Control and Applications

Chair: Prof. Kuo-Hsien Hsia (Far East University, Taiwan)

E5-1

ICICIC2015-SS15-01

Further Result on Stability Analysis of Discrete-Time Systems with Interval Time-Varying Delay and Linear Fractional Perturbations via Delay-Partitioning Approach

Chang-Hua Lien, Jenq-Der Chen and Ker-Wei Yu (Taiwan)*

E5-2

ICICIC2015-SS15-02

Area-Efficient and ROM-Free Decimal-to-Decimal Antilogarithmic Converters

Chao-Tsung Kuo and Tso-Bing Juang (Taiwan)*

E5-3

ICICIC2015-SS15-03

Implementation of the Chinese Chess Game with the Computer Using Artificial Intelligent Method

Kuo-Lan Su, Shen-Ta Su, Kuo-Hsien Hsia and Bo-Yi Li (Taiwan)*

E5-4

ICICIC2015-SS15-04

Task Assignment on Grid Plane for Multiple Mobile Robots

Kuo-Hsien Hsia, Bo-Yi Li and Kuo-Lan Su (Taiwan)*

E5-5

ICICIC2015-SS15-05

A Low Power Consumption and High Penetration IoT System

Chung-Wen Hung, Chien-Lung Chen, Jia-Yu Sie and Hong-Yu Chen (Taiwan)*

E5-6

ICICIC2015-SS15-06

An Environment Monitor Application Program with IoT Bridge Function

Chung-Wen Hung, Yuan-Hao Lai and Hong-Yu Chen (Taiwan)*

E5-7

ICICIC2015-SS15-07

The Integration of Wireless Sensor Networks and Monitoring Technology for Advanced Metering Infrastructure

Wei-Lung Mao, Wei-Hao Fan, Suprpto and Chung-Wen Hung (Taiwan)*

E5-8

ICICIC2015-SS15-08

Unambiguous Galileo Acquisition Using BPSK-like Parallel Shift-and-Combine Method

Wei-Lung Mao, Suprpto, Chung-Wen Hung and Ying-Ren Chien (Taiwan)*

August 22, Saturday

13:40 – 15:40 Conf. Room No.1, 3F

A6: Management Science and Engineering (2)

Chair: Dr. Junhu Ruan (Northwest A&F University, China)

A6-1

ICICIC2015-215

An Improved Partheno-Genetic Algorithm for the Vehicle Routing Problem with Dynamic Demands and Time Windows

Chenghua Shi, Tonglei Li, Fei Zhao and Xiaoqing Hu (China)*

A6-2

ICICIC2015-359

An Improved Interval TOPSIS and Its Application in Assessing the Performance of Agricultural Product Traceability Systems

Chaoqiu He, Yapeng Wang and Chenghua Shi (China)*

A6-3

ICICIC2015-429

A Credit Rating Attribute Reduction Approach Based on Pearson Correlation Analysis and Fuzzy-Rough Sets

Baofeng Shi, Jingxu Zhao and Jing Wang (China)*

A6-4

ICICIC2015-449

Research on Synthesizing Effect-Based Regression Method

Fachao Li, Xiaoxiao Su and Chenxia Jin (China)*

A6-5

ICICIC2015-580

Bundling Strategy in Complementary Product Supply Chain

Sijie Li and Lingzhi Shao (China)*

A6-6

ICICIC2015-613

Delivery Tour-Based Order Batching Method for Online Supermarkets

Minfang Huang, Yanxin Wang, Juan Liu and Kun Wang (China)*

A6-7

ICICIC2015-680

Decision Model of Returns Logistics under Multinomial Logit Model Considering the Customer Behavior

Wenjuan Wang (China)

A6-8

ICICIC2015-825

A Study of Consumer and Customization from the Point of View of an Experience

Rika Ito and Takanori Osaki (Japan)*

August 22, Saturday

13:40 – 15:40 Conf. Room No.2, 3F

B6: Communication System

Chair: Dr. Amphawan Julsereewong (King Mongkut's Institute of Technology Ladkrabang, Thailand)

B6-1

ICICIC2015-329

Research on Intrusion Detection for WMN Based on Region-Coverage

Hongyu Yang and Xinyuan Wang (China)*

B6-2

ICICIC2015-381

Effect of Blind Source Separation for Analog Modulation

Yuki Yoshino, Kengo Kiyota, Takaaki Ishibashi and Hiromu Gotanda (Japan)*

B6-3

ICICIC2015-501

An Optimal DV-Hop Localization Algorithm Based on Error Correction

Cheng Li, Honglie Zhang, Yanju Liu and Xuefeng Dai (China)*

B6-4

ICICIC2015-555

Blind Source Separation without Scaling Indeterminacy Using Amplitude Ratio of Observed Signals

Takaaki Ishibashi, Kohei Fujimori, Hirohito Shintani, Chiharu Okuma
Kiyoteru Hayama and Hiromu Gotanda (Japan)*

B6-5

ICICIC2015-563

An Energy Saving Strategy in Digital Cognitive Radio Networks and Its Performance Assessment

Shunfu Jin and Si Chen (China)*

B6-6

ICICIC2015-570

Map Projection Positioning Method in Ranging-Mode of Automatic Identification System

Yi Jiang, Qing Hu, Dongkai Yang and Kai Zheng (China)*

B6-7

ICICIC2015-808

Spatial Locality Based Parallel Scheme for Intra Coding of HEVC

Wen Shi, Xiantao Jiang, Tian Song, Jenq-Shiou Leu and Takashi Shimamoto (Japan)*

B6-8

ICICIC2015-811

Communication Schedule Optimization of Cascade Control Using Foundation Fieldbus

Thaksin Sangsuwan, Sawai Pongswatd, Amphawan Julsereewong, Yoshisugu Morioka
and Yoshiharu Amano (Thailand)*

August 22, Saturday

13:40 – 15:40 Conf. Room No.3, 3F

C6: Intelligent System and Applications

Chair: Prof. Chian C. Ho (National Yunlin University of Science & Technology, Taiwan)

C6-1

ICICIC2015-SS10-04

Corner-Based Robotic Stereo Visual Navigation Optimized by Region-of-Interest Pyramid and Maximum-Uncertainty Comparability Measurement

Chung-Lin Li and Chian C. Ho (Taiwan)*

C6-2

ICICIC2015-SS10-05

Soft DSP Design Methodology of iLBC Speech Decoder on Nios II Embedded Platform

Wen-You Huang and Chian C. Ho (Taiwan)*

C6-3

ICICIC2015-049

Living Support System Consisting of IC Card Interface and Embedded System

Masashi Nakayama, Mitsuaki Abe, Yusuke Amino and Shunsuke Ishimimtsu (Japan)*

C6-4

ICICIC2015-316

Development of Micromouse for Education Using mbed Platform

Rion Yamada and Kiyoteru Hayama (Japan)*

C6-5

ICICIC2015-321

The Modeling of Mobilization Work Process for Emergency Rescue Based on Stochastic Petri Net

Huizhen Kong (China)

C6-6

ICICIC2015-361

Guaranteed Cost Tracking Control for an Omnidirectional Rehabilitative Training Walker with Safety Velocity Performance

Ping Sun and Shuoyu Wang (China)*

C6-7

ICICIC2015-491

A Location-Allocation Model for Hierarchical Healthcare Facilities under Grading Treatment

Yuyao Fan, Lindu Zhao and Simeng Gu (China)*

C6-8

ICICIC2015-737

Method Research on Establishment of University Major Warning System

Tong Li, Qing Li, Rongxia Ma, Caisu Du and Hong Zhao (China)*

August 22, Saturday

13:40 – 15:40 Conf. Room No.4, 2F

D6: Industrial Engineering and Technology Advancement

Chair: Prof. Minsoo Kim (Pukyong National University, Korea)

D6-1

ICICIC2015-SS21-01

A Study on Evaluation Model for Patent Property Right Using Machine Learning Techniques:
An Empirical Study of Korean Patents

Woon-Seek Lee, Shiegheun Koh and Wonchul Seo (Korea)*

D6-2

ICICIC2015-SS21-02

A Look-Ahead Control Strategy at Parallel Batch Processors with Multiple Product Types

Pyung-Hoi Koo, Paramitha Mansoer and Joon-Hyeok Park (Korea)*

D6-3

ICICIC2015-SS21-03

Simulation Model for Port Logistics Container Handling Using Process Mining

Sanghyuck Park, Riska A. Sutrisnowati and Hyerim Bae (Korea)*

D6-4

ICICIC2015-SS21-04

Interactive Heat Map for Evaluation of Container Handling Process

Wahyu Andy Prastyabudi and Hyerim Bae (Korea)*

D6-5

ICICIC2015-SS21-05

Development of a Manufacturing System Simulation for Electrical Power Transformer Systems

Minsoo Kim, Hyunsik Kim and Gysung Cho (Korea)*

D6-6

ICICIC2015-SS21-06

Prototype of IoT Enabled Smart Factory

Hae Kyung Lee and Taioun Kim (Korea)*

D6-7

ICICIC2015-SS21-07

A Model for Distributed Resource Management of SMEs Using Directory Service

Sung-Jun Lee, Hoontae Kim, Gysung Cho, Young Seok Ock and Minsoo Kim (Korea)*

D6-8

ICICIC2015-532

Earliness/Tardiness Scheduling for Single Machine with Sequence Dependent Setup Times

Minsoo Kim, Wonchul Seo and Shiegheun Koh (Korea)*

August 22, Saturday

13:40 – 15:40 Cultivate Room, 2F
E6: Control System and Applications (3)

Chair: Dr. Huanqing Wang (Bohai University, China)

E6-1

ICICIC2015-155

Coordination Control of State Error PCH and RBFNN Adaptive Control for SPMSM Drive System
Yang Zhao, Mingling Shao, Haisheng Yu and Jinpeng Yu (China)*

E6-2

ICICIC2015-159

Four Quadrant PMSM Drive System via Single Neuron Adaptive Control and Backstepping
Mingling Shao, Haisheng Yu, Jinpeng Yu and Xiurong Chu (China)*

E6-3

ICICIC2015-305

Neural Network-Based Adaptive Command Filtered Control for Induction Motors
Xiaoling Wang, Yumei Ma, Jinpeng Yu, Fenglong Sun, Ping Wei and Qiwei Li (China)*

E6-4

ICICIC2015-341

Nonlinear Aeroelastic Analysis and Control of Airfoil Section with Control Surface Freeplay
Xiaoming Wang, Zhigang Wu and Wenya Zhou (China)*

E6-5

ICICIC2015-405

Rapid Planning of Reliable Reentry Trajectory
Wenya Zhou, Enmei Wang, Shunan Wu and Zhigang Wu (China)*

E6-6

ICICIC2015-509

Global Stabilization for a Class of Stochastic High-Order Upper-Triangular Nonlinear Systems with Input Delay
Liang Liu and Huanqing Wang (China)*

E6-7

ICICIC2015-605

Adaptive Neural Backstepping Control for Uncertain Unified Chaotic Systems with Input Saturation
Huanqing Wang, Weiyi Qian, Qi Zhou and Liang Liu (China)*

E6-8

ICICIC2015-608

The Parameterization of All Two-Degree-of-Freedom Strongly Stabilizing Controllers for Time-Delay Plants with Feedback Connection
Tatsuya Hoshikawa, Takuya Tsukamoto, Takaaki Suzuki and Kou Yamada (Japan)*

August 22, Saturday

16:00 – 18:15 Conf. Room No.1, 3F

A7: Management Science and Engineering (3)

Chair: Prof. Taehyung Park (Soongsil University, Korea)

A7-1

ICICIC2015-SS07-01

Minimizing the Total Stretch in Two Parallel Machines with GoS Levels

Jang Rae Lee and Suk-Hun Yoon (Korea)*

A7-2

ICICIC2015-SS07-02

A Study on a Measurement of Individual Risk Attitudes Using the AHP Method with Consideration of the Asset Portfolio

Jong-Bin Lee and Jae-Dong Son (Korea)*

A7-3

ICICIC2015-SS07-03

Development of a Mathematical Model for Risk Attitude Analysis Using an Ego-gram Test

Jong-Bin Lee and Jae-Dong Son (Korea)*

A7-4

ICICIC2015-SS07-04

Estimation of Urban Infrastructure Demand with Consideration of Urban Characteristics

Hosung Jung and Jae-Dong Son (Korea)*

A7-5

ICICIC2015-SS07-05

Performance of the Guided Scrambling Conservative Array for Holographic Data Storage

Taehyung Park (Korea)

A7-6

ICICIC2015-SS07-06

2-D Multi-Level Modulation Code Design by Integer Program

Taehyung Park (Korea)

A7-7

ICICIC2015-823

Simulation Modelling and Analysis of Crowd Evacuation by Utilizing Evolutionary Stable Strategy

Azhar Mohd Ibrahim, Ibrahim Venkat and Ahamad Tajudin Khader (Malaysia)*

A7-8

ICICIC2015-SS13-02

Empirical Research on Performance Influence Factors of Listed Logistic Enterprise

Xiaomei Li and Yanbing Yang (China)*

August 22, Saturday

16:00 – 18:15 Conf. Room No.2, 3F

B7: Advanced Control and Automated System

Chair: Prof. Chi-Sheng Tsai (Chienkuo Technology University, Taiwan)

B7-1

ICICIC2015-SS09-02

Mathematical Modeling and Visual Basic Simulation for Position Control of Placing Boom of Concrete Pump Truck

Wenning Qiu, Changlong Du, Haiyong Qi and Genxian Xiao (China)*

B7-2

ICICIC2015-SS09-04

An Intelligent Gas Sensor Car with a Cloud System APP

Chun-Hua Chen (Taiwan)

B7-3

ICICIC2015-SS09-05

Visual Dimensional Inspection of Oil Seal Based on LabVIEW

Chen-Huei Hsieh, Chi-Sheng Tsai and Yongyue Shen (Taiwan)*

B7-4

ICICIC2015-SS09-06

Gait Analysis of a Little Biped Robot

Chi-Sheng Tsai, Chen-Huei Hsieh and Haiyong Qi (Taiwan)*

B7-5

ICICIC2015-590

Experimental of a Digital CMAC-PID Using Microcontroller on Temperature Control System

Wittaya Koodtalang and Thaksin Sangsuwan (Thailand)*

B7-6

ICICIC2015-594

Coupling Analysis and Loop Pairing Method via an Information-Theoretic Approach

Jianhua Zhang, Yamin Kuai, Mingming Lin, Ting Zhang and Guolian Hou (China)*

B7-7

ICICIC2015-595

Path Following for Underactuated Ships Control and Simulation Based on Active Disturbance Rejection with Sliding Mode Control

Ronghui Li, Tieshan Li, Xiaoxu Li and Haiqing Shen (China)*

B7-8

ICICIC2015-603

Ship Course Control Based on Reinforcement Learning

Haiqing Shen, Chen Guo, Tieshan Li and Ronghui Li (China)*

B7-9

ICICIC2015-764

Modeling and Control for the Hot-Air Temperature in Stenter Frame Range

Minming Gu, Wenzhan Dai and Huijiao Wang (China)*

August 22, Saturday

16:00 – 18:15 Conf. Room No.3, 3F

C7: Evolutionary Computing and Assembled Signals

Chair: Dr. Pei-Wei Tsai (Fujian University of Technology, China)

C7-1

ICICIC2015-SS11-01

Amplitude Modulation Evolved Bat Algorithm in Swarm Intelligence

Pei-Wei Tsai, Xingsi Xue, Yonghui Zhang, Yuan Liu, Jeng-Shyang Pan and Vaci Istanda (China)*

C7-2

ICICIC2015-SS11-03

Constructing Foreign Exchange Rate Forecasting Model with Interactive Artificial Bee Colony Algorithm and Consumer Confidence Index

Pei-Wei Tsai, Chia-Han Liu, Jilin Zhang and Jui-Fang Chang (Taiwan)*

C7-3

ICICIC2015-SS11-04

Design of a Video Data Sampling and Transmission System Based on Wireless Mesh Network

Liuqing Yang, Xingsi Xue and Guoan Zhang (China)*

C7-4

ICICIC2015-SS11-05

Optimizing Multiple Ontology Alignments through Memetic Algorithm Using Both f-Measure and UIR

Li Jiang, Pei-Wei Tsai and Xingsi Xue (China)*

C7-5

ICICIC2015-SS11-06

Transaction Data Based Risk Preference Recognition Model of Brokerage Individual Customer

Lin Xiao, Sheng-Hua Xu, Jeng-Shyang Pan and Tong-Hua Yang (China)*

C7-6

ICICIC2015-SS11-07

Hyperspectral Imagery Classification Based on Kernel Principal Component Analysis

Jeng-Shyang Pan, Yi-Fan Li, Jun-Bao Li, Li Li, Pei-Wei Tsai, Qiang Su and Wei Cui (China)*

C7-7

ICICIC2015-SS11-08

A Novel Hybrid Key Management Scheme for Ad Hoc Networks

Jing Zhang, Li Xu, Rongmei Tang and Shunmiao Zhang (China)*

C7-8

ICICIC2015-SS11-10

Reliability Analysis on Large System with N Element Obeying Exponential Distribution under Multi Constraints

Lu-Xiong Xu, Chao-Fan Xie and Lin Xu (China)*

C7-9

ICICIC2015-SS11-11

Directional Guided Evolved Bat Algorithm for Numerical Optimizations

Pei-Wei Tsai, Sijing Cai, Vaci Istanda and Jeng-Shyang Pan (China)*

August 22, Saturday

16:00 – 18:15 Conf. Room No.4, 2F

D7: Industrial Engineering Applications

Chair: Prof. Changmuk Kang (Soongsil University, Korea)

D7-1

ICICIC2015-SS17-01

An Engineering & Social Analysis for the Optimal Logistics Hub Location Preparing to Korean Unification and Eurasia

Moon S. Cho, Taejin Lim, Jae-Dong Son, Suk Hun Yoon, Byung-En Hyun and Mi-Yeon Kang (Korea)*

D7-2

ICICIC2015-SS17-02

The Global Trend Analysis of Hybrid-Dual Tag Usage for Logistics System

Moon S. Cho, Taejin Lim, Jae-Dong Son, Suk Hun Yoon, Byung-En Hyun and Jang Wook Oh (Korea)*

D7-3

ICICIC2015-SS17-03

Assessing the Greenness of Product Lifetime Extension

Minjung Kwak (Korea)

D7-4

ICICIC2015-SS17-04

Buying, Renting, or Sharing a Car: An Economic Assessment by Consumer Type, with an Application to the Korean Automotive Market

Su-Ah Kim, Minjung Kwak and Tae-Jin Lim (Korea)*

D7-5

ICICIC2015-SS17-05

Integrated Pricing and Production Planning for Remanufacturing

Minjung Kwak (Korea)

D7-6

ICICIC2015-SS17-06

How Product Attributes Affect Consumer Judgments of Preference and Distinctiveness: Attribute Importance and Individual Diversity

Na-Rae Yoo, Minjung Kwak and Changmuk Kang (Korea)*

D7-7

ICICIC2015-SS17-07

Analyzing Contribution of Accessibility to Subway Stations to Regional Development and Different Leveraging Effect of Stations: A Comprehensive Empirical Study on Seoul

Young-Woo Seo, Ji-Min Yoo and Changmuk Kang (Korea)*

D7-8

ICICIC2015-004

A Cloud Middleware with a Load Balance Mechanism and Resource Adaption

Hsu-Yang Kung, Pei-Yu Tsai, Chi-Hua Chen and Yu-Lun Hsu (Taiwan)*

D7-9

ICICIC2015-175

Inventory Control Model for Perishable Items with Time-Varying Demand Rate and Fixed Deterioration

Yumeng Wang, Xiangyang Ren, Bin Fu and Yanli Xiao (China)*

August 22, Saturday

16:00 – 18:15 Cultivate Room, 2F

E7: Theories and Applications in Advanced Control

Chairs: Prof. Masanori Takahashi (Tokai University, Japan)

Dr. Takao Sato (University of Hyogo, Japan)

E7-1

ICICIC2015-SS18-01

Fault Diagnosis for an Actuator Fault Using Log-Likelihood Based on Discrete Linear System Model

Ryosuke Fujiwara, Natsuki Kawaguchi, Nozomu Araki, Takao Sato and Yasuo Konishi (Japan)*

E7-2

ICICIC2015-SS18-02

Study about Influence and Restraint of the Output Disturbance in a Multi-Rate Control System

Nozomi Ishii, Takao Sato, Nozomu Araki and Yasuo Konishi (Japan)*

E7-3

ICICIC2015-SS18-03

Self-Repairing PI Control against Sensor Failures

Masanori Takahashi (Japan)

E7-4

ICICIC2015-SS18-04

Two-Degree-of-Freedom Generalized Minimum Variance Control-Based PID Control Laws Using Feed-forward and Pre-Compensators

Takao Sato, Nozomu Araki and Yasuo Konishi (Japan)*

E7-5

ICICIC2015-SS18-05

Adaptive Output Feedback Control with Adaptive PFC and Its Stability Analysis

Taro Takagi and Ikuro Mizumoto (Japan)*

E7-6

ICICIC2015-485

Output Feedback Tracking Control for Omnidirectional Rehabilitative Training Walker with Random Parameters

Hongbin Chang, Ping Sun and Shuoyu Wang (China)*

E7-7

ICICIC2015-639

Asymptotic Stability for Stochastic Functional Differential Equations

Huabin Chen, Peng Shi and Cheng-Chew Lim (China)*

E7-8

ICICIC2015-644

Stability and Stabilization of Singular Fractional-Order Systems

Yude Ji, Jiyong Lu and Jiqing Qiu (China)*

E7-9

ICICIC2015-668

Consensus of Multi-Agent Systems with Euler-Lagrange System Using Neural Networks Controller

Minh Nguyen Duc, Dong Wang, Jie Lian, Wei Wang and Yan Zhuang (China)*