ICICIC2010 Program

December 20, Monday
15:30 – 16:00
ICICIC2010 Opening
Chair: Prof. Peng Shi, University of Glamorgan, and Victoria University
(Conference Center, Chang'an University)

Note:
Go to Chang'an University by Conference Bus
Gathering Place: 1F, Xi'an Hotel
Gathering Time: 14:40

16:00 – 17:00
Keynote Speech I: The Dielectrophoretic Force Induced on a Single Biological Cell in the Liquid and Its Application to Separation of Cells
Prof. Takeshi Yamakawa
Kyushu Institute of Technology, Japan
Chair: Prof. Peng Shi, University of Glamorgan, and Victoria University
(Conference Center, Chang'an University)

18:30 – 20:00
Welcome Dinner
(Orchid Garden Western Restaurant, South 1F, Xi'an Hotel)

December 21, Tuesday
08:40 – 09:40
Keynote Speech II: From Fuzzy Systems to Granular Fuzzy Systems: A New View at Knowledge-Based Information Processing
Prof. Witold Pedrycz
University of Alberta, Canada
Chair: Prof. Junzo Watada, Waseda University
(ChangAn Hall, North 3F, Xi'an Hotel)

18:30 – 20:30
ICICIC2010 Banquet
Chair: Prof. Jeng-Shyang Pan, National Kaohsiung University of Applied Sciences
(BaiHua Hall, South 2F, Xi'an Hotel)

December 22, Wednesday
18:30 – 20:00
Farewell Party
(ChangLeGong Restaurant, North 1F, Xi'an Hotel)

December 23, Thursday
08:30 – 16:00
Xi'an City Tour (Free)
(Gathering at Hotel Lobby)

Technical Sessions

December 21, Tuesday

10:00 – 11:30
A1: Computer Systems
Chair: Prof. Takuo Nakashima (Tokai University)

A1-01: ICICIC2010-039
A User Profile Injection Attack Detection Algorithm Based on Normal Cloud Model and PCA
   Fuzhi Zhang, Dongyan Jia* and Jinbo Chao
Yanshan University

A1-02: ICICIC2010-099
Using PCA for Predicting Protein Subcellular Localization of Gram-Negative Bacteria
Based on Pseudo Amino Acid Composition
   Yanhong Wang*, Chaobing He, Lidong Wang, Zhao Wang, Jiang Tian and Junwei Ma
Jingdezhen Ceramic Institute

A1-03: ICICIC2010-132
A Second-Order Cone Programming Method for the Design of FIR Filters with Discrete
Coefficients
   Xuewen Mu* and Yaling Zhang
Xidian University

A1-04: ICICIC2010-237
Analysis of Energy Savings Using Smart Metering
   Hee-Sang Shin*, Sung-Min Cho, Jae-Sun Huh and Jae-Chul Kim
Soong-Sil University

A1-05: ICICIC2010-243
Performance Estimation of Different Level Bus Modeling on QEMU and SystemC-Based
Virtual Platform
   Tse-Chen Yeh* and Ming-Chao Chiang
National Sun Yat-sen University

A1-06: ICICIC2010-481
Active Queue Resource Management for the Heavy-Tailed Traffics
   Takuo Nakashima
Tokai University

December 21, Tuesday

10:00 – 12:00
B1: Information Processing
Chair: Prof. Jien Kato (Nagoay University)

B1-01: ICICIC2010-091
Bubble Popping System Using Vibro-Tactile Mouse for Augmented Reality
   Daun Jung, Kwanwook Lee and Manbae Kim*
Kangwon National University

B1-02: ICICIC2010-124
A New Approach for Fingerprint Image Enhancement in Frequency Domain
   JuCheng Yang
Jiangxi University of Finance and Economics

B1-03: ICICIC2010-226
An Integrated Spatial Error Concealment Technique for H.264/AVC Based-on Boundary
Distortion Estimation
   Chih-Cheng Wang, Chih-Yao Chuang and Shinfeng D. Lin*
National Dong Hwa University

B1-04: ICICIC2010-521
Video Digest Generation with Multisensor
   Jien Kato*, Tomoya Ishikawa, Yu Wang and Kenichiro Ishii
Nagoay University

B1-05: ICICIC2010-522
Textual Retrieval in Local Photo Collection Using Features from the Web
   Yu Wang*, Jien Kato, Kenichiro Ishii and Shigeki Yokoi
Nagoay University

B1-06: ICICIC2010-523
Design of a Time and Spacial Visualization System of Astronomy News
   Yulin Chen*, Mayu Kondo, Katsuhiro Mouri and Takami Yasuda
Nagoay University

B1-07: ICICIC2010-524
Statistics Based Features Combining Method for Figurative Image Retrieval
   Heng Qi, Keqiu Li, Yanming Shen and Wenyu Qu*
Dalian University of Technology

B1-08: ICICIC2010-525
A Framework for Spam Video Detection in Video Sharing Services
   Takako Hashimoto* and Basabi Chakraborty
Chiba University of Commerce

December 21, Tuesday

10:00 – 12:00
C1: Clustering and Classification
Chair: Prof. Dongsoo Kim (Soongsil University)

C1-01: ICICIC2010-181
A Clustering Based Incremental Faulty-Rate Estimation Algorithm for Business Process Monitoring
  Bokyoung Kang, Jaeshin Lee, Seung Kim, Dongsoo Kim* and Suk-Ho Kang
Soongsil University

C1-02: ICICIC2010-206
A New Spatial Network Clustering Approach for Aggregate Query Processing
  Yonggang Ma*, Guozhen Tan, Wei Wang and Xiaolei Li
Dalian University of Technology

C1-03: ICICIC2010-213
Grid Probability Density-Based Clustering for Uncertain Data Streams over Sliding Windows
  Guoyang Huang, Dapeng Liang, Changzhen Hu and Jiadong Ren*
Yanshan University

C1-04: ICICIC2010-234
An Efficient Hybrid Clustering Algorithm for Customer Segmentation in Mobile E-Commerce
  Xiaoyi Deng*, Chun Jin, Yoshiyuki Higuchi and Jim C. Han
Dalian University of Technology

C1-05: ICICIC2010-245
Adaboost Learning for 1-D Barcode Detector as a Component of a Product Promotion System Using Augmented Reality and Product Barcodes
  Jong-Chih Chien*, Che-Chern Lin, Lin-Sen Pon and Li-Chang Liu
Kainan University

C1-06: ICICIC2010-269
An Author Identification of In-Class Source Codes by Using the Forward-Backward Coding Models
  Asako Ohno* and Hajime Murao
Shijonawate Gakuen Junior College

C1-07: ICICIC2010-305
A Method to Determine the Weights of Features for Classification
  Hongbao Cao*, Liangzhong Yi, Zheng Pei and Guanhua Liu
Xihua University

C1-08: ICICIC2010-560
A Novel Procedure of Customer Pattern Recognition with Data Mining
  Jianping Zhu* and Ying Dai
Xiamen University

December 21, Tuesday

10:00 – 12:00
D1: Management Science (I)
Chair: Prof. Xuping Wang (Dalian University of Technology)

D1-01: ICICIC2010-106
Risk Assessment of Semiconductor Manufacturing Capacity Planning Based on Value-at-Risk Theory
Bo Li* and Yang Cao
University of Electronic Science and Technology of China

D1-02: ICICIC2010-121
Expected Gain Based Early Warning for Real-Time Process Monitoring
Bokyoung Kang*, Dongsoo Kim and Suk-Ho Kang
Seoul National University

D1-03: ICICIC2010-160
Innovation Product Multi-Generation Diffusion Process -- A System Dynamics Model Approach
Shih-Hui Lo, Chin-Yuan Fan*, Pei-Shu Fan and Ming-Fong Lai
Ming-Dao University

D1-04: ICICIC2010-217
RFID-Enhanced Integrated Manufacturing for Job-Shop Floor Problems
Xifan Yao*, Hongyue Dai, Zheng Zhang, Dongyuan Ge and Yaojun Chen
South China University of Technology

D1-05: ICICIC2010-301
Disturbance Recovery Strategies for Demand Changes in Vehicle Routing Problem with Time Windows
Juntao Li, Xuping Wang*, Mingtian Chen and Junhu Ruan
Dalian University of Technology

D1-06: ICICIC2010-311
A Framework for Evaluating Reconfigurability of Collaboration System Using DEA
Sangil Lee, Kwangyeol Ryu*, Hyerim Bae and You-jin Park
Pusan National University

D1-07: ICICIC2010-387
Application of Differential Evolution for Fuzzy Linear Programming
Feng-Tse Lin
Chinese Culture University

D1-08: ICICIC2010-482
Plant Growth Simulation Algorithm for Solving Bilevel Programming
Tong Li*, Jianhu Han and Wenhe Liu
Dalian University of Technology

December 21, Tuesday

10:00 – 12:00
E1: Genetic Algorithm
Chair: Prof. Rubiyah Yusof (Universiti Teknologi Malaysia)

E1-01: ICICIC2010-076
A Novel Classification Based on Competitive Co-Evolutionary Algorithm
Ruihua Chang*, Xiaodong Mu and Xiaowei Shen
Xi'an Research Institute of Hi-Tech

E1-02: ICICIC2010-089
An Efficient Heuristic Scheduling Algorithm for Optimal Job Allocation in Computational Grids
Wanneng Shu*, Lixin Ding and Shenwen Wang
South-Central University for Nationalities

E1-03: ICICIC2010-118
Optimal Combination of Conflicting Evidence Based on Genetic Algorithm
Wen Jiang*, Jinye Peng and Yong Deng
Northwestern Polytechnical University

E1-04: ICICIC2010-129
A Novel Algorithm for Motif Discovery
Zhiru Chen, Wenxue Hong, Lufang Tian and Changwu Wang*
Yanshan University

E1-05: ICICIC2010-190
Using Genetic Clustering for Multi-Criteria Collaborative Filtering
Chein-Shung Hwang, Yi-Ching Su* and Kuo-Cheng Tseng
Asia-Pacific Institute of Creativity

E1-06: ICICIC2010-263
Optimized Feature Selection for Improved Tropical Wood Species Recognition System
Uswah Khairuddin, Rubiyah Yusof*, Marzuki Khalid and Florian Cordova
Universiti Teknologi Malaysia

E1-07: ICICIC2010-264
GA-Optimized Random Forest Classification for High Dimensional Data
Jingchang Pan, Peng Wei*, Qiang Guo, Caiming Zhang and Ali Luo
Shandong University

E1-08: ICICIC2010-315
Application a Heuristic Approach to Minimization of Total Weighted Earliness and Tardiness on a Single Burn-In Oven
You-Jin Park* and Sun Hur
Chung-Ang University

December 21, Tuesday

13:20 – 15:05
A-2: Computer Technology for Vehicle Preventive Safety Systems (I)
Chairs: Prof. Zhong Zhang (Toyohashi University of Technology), Prof. Lang Wei and Prof. Xiangmo Zhao (Chang'an University)

A2-01: ICICIC2010-083
Knowledge Modeling and Semantic Retrieval for Traffic Information Based on Fuzzy Ontology and SPARQL
   Jun Zhai*, Yan Chen and Jianfeng Li
Dalian Maritime University

A2-02: ICICIC2010-195
Application of Extension Theory to Fault Diagnosis of Automotive Engine
   Meng-Hui Wang*, Kuei-Hsiang Chao, Guan Jie Huang and Han-Hsueh Tsai
National Chin-Yi University of Technology

A2-03: ICICIC2010-451
Analysis and Detection of Potentially Hazardous Driving Situations
   Yuichi Kuroyanagi*, Chiyomi Miyajima, Norihide Kitaoka and Kazuya Takeda
Nagoya University

A2-04: ICICIC2010-452
Detection of Distracted Driving Using a Bayesian Network
   Hiroaki Ishikawa*, Chiyomi Miyajima, Norihide Kitaoka and Kazuya Takeda
Nagoya University

A2-05: ICICIC2010-453
Detection of Saccade Using Image-Based Measurement System to Estimate Early Signs of Drowsiness
   Zhong Zhang, Ahmad Fathullah Bin Rahim*, Takashi Imamura and Tetsuo Miyake
Toyohashi University of Technology

A2-06: ICICIC2010-454
Estimation of Facial Expression from Its Change in Time
   Tetsuo Miyake, Takuya Matsumoto*, Takashi Imamura and Zhong Zhang
Toyohashi University of Technology

A2-07: ICICIC2010-455
A Study of Classification for Driver's Normality Using Cooperativeness of Driving Behaviors
   Takashi Imamura*, Hagito Yamashita, Zhong Zhang and Tetsuo Miyake
Toyohashi University of Technology

December 21, Tuesday

13:20 – 15:20
B2: Signal Processing
Chair: Prof. Takashi Samatsu (Tokai University)

B2-01: ICICIC2010-061

Lung Segmentation in Chest Radiographs Using Double Localizing Region-Based Active Contours

Zhenghao Shi*, Li Li, Hedong Wang, Fengxia Wang, Minghua Zhao, Yinghui Wang and Quanzhu Yao

Xi'an University of Technology

B2-02: ICICIC2010-059

A Method for Lung Nodules Detection Using KPCA and Template Matching Algorithm

Zhenghao Shi*, Fengxia Wang, Hedong Wang, Minghua Zhao, Yinghui Wang and Quanzhu Yao

Xi'an University of Technology

B2-03: ICICIC2010-175

An Image-Based Landslide Monitoring System

Chi-Chang Huang*, Cheng-Pei Tsai, Ming-Chih Lu and Tien-Yu Tang

St. John's University

B2-04: ICICIC2010-240

Identification of Simultaneous Fault Types in Electrical Power System Using the Comparisons Technique of DWT Coefficients

A. Ngaopitakkul, C. Apisit*, C. Jettanasen and C. Pothisarn

King Mongkut's Institute of Technology Ladkrabang

B2-05: ICICIC2010-241

Uncertainty of Fault Location Prediction Due to Behavior of Simultaneous Fault in Electrical Power System Using Travelling Wave Theory

A. Ngaopitakkul* and C. Apisit

King Mongkut's Institute of Technology Ladkrabang

B2-06: ICICIC2010-242

Identification of Fault Location for Simultaneous Fault in Distribution System Using Discrete Wavelet Transform

C. Pothisarn*, C. Jettanasen, A. Ngaopitakkul and C. Apisit

King Mongkut's Institute of Technology Ladkrabang

B2-07: ICICIC2010-268

A New Dictionary Learning Method for Sparse Representation

Zunyi Tang*, Zuyuan Yang and Shuxue Ding

The University of Aizu

B2-08: ICICIC2010-531

Sound Receiving Property of Optical Wave Microphone Using Optical Fiber Bundle in Light Detection

Takashi Samatsu*, Motoki Iwahara, Kazuya Honda, and Yoshito Sonoda

Tokai University

December 21, Tuesday

13:20 – 15:05
C2: Intelligent Technologies for Multimedia Processing
Chairs: Prof. Chuan-Yu Chang (National Yunlin University of Science & Technology)
        Prof. Chuan-Wang Chang (Far East University)

C2-01: ICICIC2010-065
Research on the Window-Expanded Query Algorithm Based on SAB^X-Tree
   Yongshan Liu, Weijie Gu, Shiwei Gao and Hui Zhang*
Yanshan University

C2-02: ICICIC2010-265
Enhancement of Emotional Intensity of Viewers Caused by Video Sharing Using Pseudo Synchronization
   *Katsuari Kamei, Akifumi Toyota and Jun-ichi Kushida**
Ritsumeikan University

C2-03: ICICIC2010-491
Query Expansion Techniques for a Phrase-based Melody Retrieval System
   Chuan-Wang Chang and Hewijin Christine Jiau*
Far East University

C2-04: ICICIC2010-492
Speech Enabling Services for Wireless Access in Vehicular Environment
   Jui-Feng Yeh, Ping-Cheng Lin, Liang-Yu Ke and Chih-Neng Liang*
National Chiayi University

C2-05: ICICIC2010-493
Web Service Aggregation of Cloud Computing
   Chuan-Wang Chang and Chen-Da Tsai*
Far East University

C2-06: ICICIC2010-494
A Novel Method for Facial Spot and Wrinkle Detection
   Chuan-Yu Chang, Shang-Cheng Li, Pau-Choo Chung and Jui-Yi Kuo*
National Yunlin University of Science and Technology

C2-07: ICICIC2010-495
A Novel Tag Analysis Method for Blogger Subgroup Detection
   Yi-Jen Su and Feng-Bo Huang*
Shu-Te University

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December 21, Tuesday

13:20 – 15:20
D2: Circuit Systems
Chair: Prof. Kei Eguchi (Shizuoka University)

D2-01: ICICIC2010-036
Design of a Battery Equalizer Using Level-Shift Circuits
   Kei Eguchi, Tatsuya Sugimura, Toshiya Watanabe and Hirofumi Sasaki*
Shizuoka University

D2-02: ICICIC2010-052
Study of Battery Charger Using Contactless Transmission System
   Kuen-Cheng Wang, Che-Wei Hsu, Yu-Lin Juan, I-Ching Yang and Tsair-Rong Chen*
National Changhua University of Education

D2-03: ICICIC2010-078
Applying Contactless Power Transfer System to Linear Track
   Shih-Chieh Tsai, Sheng-Guo Lin, Kun-Fang Huang, Kuen-Hung Hsieh*
   and Tsair-Rong Chen
National Changhua University of Education

D2-04: ICICIC2010-088
A Dividing Ratio Changeable Digital PLL Using Multi-Phase Clock VCO Unaffected
by Input Frequency Change
   Hirotoshi Sasaki, Kuniaki Fujimoto, Hirofumi Sasaki and Mitsutoshi Yahara*
Tokai University

D2-05: ICICIC2010-183
The Embedded System Design for the Status of Electric Equipment Monitoring
   Yi-Yu Lu, Wen-Bin Lin, Cheng-Shion Shieh and Huann-Keng Chiang*
Far East University

D2-06: ICICIC2010-203
Optimization of EMI Filter Located at the PWM Inverter Output to Reduce Parasitic
High-Frequency Currents in AC Motor Windings
   Chaiyan Jettanasen
King Mongkut's Institute of Technology Ladkrabang

D2-07: ICICIC2010-255
Nonlinear Phenomena and Chaos Control of Single-Phase Half-Bridge Inverter
   Hen-Kung Wang, Fei-Hu Hsieh, Po-Lun Chang, Hsuan-Chiang Wu*
   and Jonq-Chin Hwang
Lunghwa University of Science and Technology

D2-08: ICICIC2010-294
Robust Control of a Nonlinear Electrical Oscillator Modeled by Duffing Equation
   Manuel Jiménez-Lizárraga, Michael Basin and Pablo Rodriguez-Ramirez*
Universidad Autónoma de Nuevo León

December 21, Tuesday

13:20 – 15:05
E2: Innovative Quantitative Methods in Management and Finance
Chairs: Prof. Chunhui Xu (Chiba Institute of Technology)
Prof. Ikou Kaku (Akita Prefectural University)

E2-01: ICICIC2010-361
A New Product Design Approach through Integral Architecture
Ikou Kaku, Dongxiao Jiang and Takashi Shinzato*
Akita Prefectural University

E2-02: ICICIC2010-362
A Two-Level Framework for the Dynamic Risk Evaluation of Virtual Enterprise
Min Huang, W. H. Ip, Guanjie Jiang, Chunhui Xu and Xingwei Wang*
Northeastern University

E2-03: ICICIC2010-363
Comparison of Statistical and Artificial Intelligence Methodologies in Small-Businesses'
Credit Assessment Based on Daily Transaction Data
Yanwen Dong, Xiying Hao and Chunji Yu*
Fukushima University

E2-04: ICICIC2010-364
A New Algorithm for Estimating the Parameters in Seasonal Adjustment Models
with a Cyclical Component
Koki Kyo and Hideo Noda*
Obihiro University of Agriculture and Veterinary Medicine

E2-05: ICICIC2010-365
Design a Just-in-Time Organization System Using a Stochastic Gradient Algorithm
Yong Yin, Meng Li, Ikou Kaku and Chenguang Liu*
Yamagata University

E2-06: ICICIC2010-366
Design of Indexed-Linked Structured Notes with Value at Risk as Risk Measure
Perla Rocio Calidonio-Aguilar and Chunhui Xu*
Chiba Institute of Technology

E2-07: ICICIC2010-367
An Optimization Method for Determining LIBOR-Linked Notes Based on the Issuer's
Interest
Wenjin Zhao and Chunhui Xu*
Chiba Institute of Technology

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December 21, Tuesday

15:40 – 17:25
A3: Computer Technology for Vehicle Preventive Safety Systems (II)
Chairs: Prof. Zhong Zhang (Toyohashi University of Technology), Prof. Lang Wei and Prof. Xiangmo Zhao (Chang'an University)

A3-01: ICICIC2010-238
A Study on Harmonic Analysis and Countermeasure of the Korea Tilting Train Express
   Jae-Sun Huh, Hee-Sang Shin, Byung-Wook Kang and Jae-Chul Kim*
Soong-Sil University

A3-02: ICICIC2010-457
Measurement of Viewing Direction for Safety Driving Support System with Monocular Camera
   Tetsuo Miyake, Jun Fujimoto, Makoto Matsunaga, Takashi Imamura and Zhong Zhang*
Toyohashi University of Technology

A3-03: ICICIC2010-458
GIS Terrain Generation Technique of Virtual Simulation System for Mountainous Expressway
   Wangfang Yuan, Lang Wei and Tao Chen*
Chang'an University

A3-04: ICICIC2010-459
A Cellular Automaton Model of Traffic Flow along a Highway with Dynamic Matters
   Bowei Shan and Zhanwen Liu*
Chang'an University

A3-05: ICICIC2010-460
Asphalt Pavement Crack Recognition Algorithm Using Shape Analysis
   Zhigang Xu, Xiangmo Zhao, Licheng Zhang and Ge Zhang*
Chang'an University

A3-06: ICICIC2010-462
Driver Inattention Analysis Using Neural Network Based Nonlinear ARX Model
   Md Rizal Othman, Zhong Zhang, Takashi Imamura and Tetsuo Miyake*
Toyohashi University of Technology

A3-07: ICICIC2010-463
Application of Viewpoint-Dependent LOD in Virtual Simulation for Expressway
   Wangfang Yuan, Lang Wei and Tao Chen*
Chang'an University

December 21, Tuesday

15:40 – 18:00
B3: Multimedia Information Processing and Retrieval
Chairs: Prof. Takashi Toriu, Prof. Hiromitsu Hama (Osaka City University)

B3-01: ICICIC2010-351
Manipulation-Killer Web Information Ranking System
   Pyke Tin, Thi Thi Zin, Takashi Toriu and Hiromitsu Hama*
Osaka City University

B3-02: ICICIC2010-352
A New Approach to Web Image Search Based on Concepts and Visual Features
   Hiromitsu Hama, Thi Thi Zin, Pyke Tin and Takashi Toriu*
Osaka City University

B3-03: ICICIC2010-353
Evidence Fusion Method for Abandoned Object Detection
   Thi Thi Zin, Hiromitsu Hama, Pyke Tin and Takashi Toriu*
Osaka City University

B3-04: ICICIC2010-354
Fast Multi-Slit Composition Method Using Attitude Measurement Unit for Pedestrian Detection
   Yukie Hashimoto, Thi Thi Zin, Takashi Toriu and Hiromitsu Hama*
Osaka City University

B3-05: ICICIC2010-355
Object Recognition from *N*-Grams of Human Actions without Shape Models
   Atsuhiro Kojima, Hiroshi Miki and Koichi Kise*
Osaka Prefecture University

B3-06: ICICIC2010-356
Band Pass Filtering at Harmonics for Visualization of 3D Trajectory of Human Periodical Walking Motion from Wearable Accelerometer Data
   Shigeyoshi Nakajima, Mitsuhiko Ikebuchi and Takashi Toriu*
Osaka City University

B3-07: ICICIC2010-357
Unsupervised Learning Algorithm for Self-Organizing Internal Representation of Ego-Motion
   Takashi Toriu, Thi Thi Zin and Hiromitsu Hama*
Osaka City University

B3-08: ICICIC2010-358
A Proposal of CV-CG System Accelerating Human Physical Exertion
   Hiroshi Kamada
Kanazawa Institute of Technology

B3-09: ICICIC2010-359
Optimum Mask Generation Method for Real-time 3D Profile Measurement
   Nobukazu Yoshikawa, Ryo Kusaka and Tatsuya Matsukawa*
Saitama University

December 21, Tuesday

15:40 – 18:00
C3: Models and Algorithms for Optimization
Chairs: Prof. Chao-Hsing Hsu and Prof. Chun-Hua Chen (Chienkuo Technology University)

C3-01: ICICIC2010-341
Optimal Pattern Radiation Design of Linear Adaptive Array Antenna Using Amplitude-Phase Perturbations Based on Particle Swarm Optimization
Chao-Hsing Hsu*, Chun-Hua Chen, Wen-Jye Shyr, Kun-Huang Kuo, Tsung-Chih Lin and Yi-Nung Chung
Chienkuo Technology University

C3-02: ICICIC2010-342
A Security Mechanism for Protecting the Customer Privacy When Purchasing Digital Products
Chun-Hua Chen
Chienkuo Technology University

C3-03: ICICIC2010-343
Verifiably Encrypted Multi-Signature
Bennian Dou*, Hong Zhang, Chun-Hua Chen and Chungen Xu
Nanjing University of Science and Technology

C3-04: ICICIC2010-344
Ant System Based Multi-Robot Path Planning
Jr-Hung Guo* and Kuo-Lan Su
Yunlin University of Science and Technology

C3-05: ICICIC2010-345
The Construction of Campus-Wide Digital Curriculum Mapping for a University of Technology
Ruilin Lin
Chienkuo Technology University

C3-06: ICICIC2010-346
A Study of Digital Archive and Digital Learning for the Taiwanese Dough Figure Art
Ruilin Lin
Chienkuo Technology University

C3-07: ICICIC2010-347
The Sampling Interval Control Scheme for a Radar Tracking System
Jin-Dong Su, Chung-Lain Lu, Yi-Nung Chung*, Chih-Min Lin, Tsair-Rong Chen and Yong-Zong Chen
National Changhua University of Education

C3-08: ICICIC2010-348
On Quantization Levels of Multiple Description Scalar Quantization in Image Watermarks
Ying-Fen Hsia* and Jan-Ray Liao
Chienkuo Technology University

C3-09: ICICIC2010-349
Innovative Product Design for Touch LED Display Device
Jingchen Xie
Chienkuo Technology University

December 21, Tuesday

15:40 – 17:40
D3: Motor Electronic and Control Applications
Chair: Prof. Cheng-Yi Chen (Cheng Shiu University)

D3-01: ICICIC2010-271
The Design of PC to PLC Communication Modules for Control Applications
  Ping-Sung Liao* and Chien-Yuan Liu
Cheng Shiu University

D3-02: ICICIC2010-273
Robust Stability of Discrete Uncertain Time-Delay Systems by Using a Solution Bound of the Lyapunov Equation
  Chien-Hua Lee*, Tsung-Lieh Hsien and Cheng-Yi Chen
Cheng Shiu University

D3-03: ICICIC2010-274
Precision Positioning of Moving Coil Motor and Flexure Mechanism Using Quantized Current Regulator and Disturbance Observer
  Cheng-Yi Chen*, Shiang-Hwua Yu, Marvin H.-M. Cheng and Cheng-Fu Yang
Cheng Shiu University

D3-04: ICICIC2010-275
Fuzzy Integral Sliding Mode Control of Motion Stage Powered by Piezo-Actuator
  Hung-Shiang Chuang
Kao Yuan University

D3-05: ICICIC2010-276
Development of the TBI and ABI Measurement Scheme with Synchronous Sphygmomanometer for Four Limbs
  Sung-Tsun Shih
Cheng Shiu University

D3-06: ICICIC2010-277
Design and Implementation of a Small Scale Photovoltaic Energy Converter
  Gin-Shan Chen*, Chun-Liang Lo and Xing-Long Huang
Yung-Ta Institute of Technology and Commerce

D3-07: ICICIC2010-278
Wireless Home Automation Utilizing ZigBee and LabVIEW
  Chien-Yuan Liu* and Ping-Sung Liao
Cheng Shiu University

D3-08: ICICIC2010-279
Application of a PC_Based Control System for Improving the Performance and Emissions of GDI and PFI Operations in a 500cc Motorbike Engine Test Stand
  Shyue-Bin Chang, Wen-Chang Tsai*, Peng-Cheng Yu, Kun-He Chen and Cing-Jhang Guo
Kao Yuan University

December 21, Tuesday

15:40 – 16:55
E3: Control (I)
Chair: Prof. Masanori Takahashi (Tokai University)

E3-01: ICICIC2010-022
Robust Actuator Fault Diagnosis and Tolerant Control for Satellite Attitude Control Systems
Yuehua Cheng*, Bin Jiang, Jun Sun, Yanping Fu and Zhifeng Gao
Nanjing University of Aeronautics and Astronautics

E3-02: ICICIC2010-042
T-S Fuzzy Controller for a Class of Nonlinear Systems with Uncertainties and Disturbances
Hugang Han* and Shoji Katagiri
Prefectural University of Hiroshima

E3-03: ICICIC2010-291
Mean-Square Filtering for Polynomial States with Poisson Noises
Michael Basin* and Juan J. Maldonado
Autonomous University of Nuevo Leon

E3-04: ICICIC2010-292
Optimal State Filtering and Parameter Identification for Linear Systems with Poisson Noises
Michael Basin* and Juan J. Maldonado
Autonomous University of Nuevo Leon

E3-05: ICICIC2010-380
Fault-Tolerant Control Based on Hybrid Redundancy and Its Application to a Chemical Reactor
Masanori Takahashi and Taro Takagi
Tokai University

December 22, Wednesday

08:20 – 10:20
A4: Information Technology
Chair: Prof. Qing Ma (Ryukoku University)

A4-01: ICICIC2010-032

Mining Frequent Closed Itemsets Based on Projection Array and Closed Itemsets Lattice
Haitao He*, Haiyan Cao, Jiadong Ren and Changzhen Hu
Yanshan University

A4-02: ICICIC2010-073

Non-Coding Background Sequences Modeling Based on Bayesian Hypothesis Testing
Qian Liu*, San-Yang Liu and Li-Fang Liu
Xidian University

A4-03: ICICIC2010-081

Extraction of Parallel Translation Expressions for English-Writing Support Systems
Qing Ma*, Shinya Sakagami and Masaki Murata
Ryukoku University

A4-04: ICICIC2010-224

Computing Semantic Similarity Using Machine-Readable Dictionary and HowNet Sememe
Lei Liu*, Maosheng Zhong, Ruzhan Lu, Hui Liu
Shanghai Jiao Tong University

A4-05: ICICIC2010-261

Short-Term Power Load Forecasting Method by Radial-Basis-Function Neural Network with Support Vector Machine Model
Jiliang Xue and Junzo Watada*
Waseda University

A4-06: ICICIC2010-295

Rhetorical Structure Ontology for Representing Learner's Presentations with Potential Textual Inconsistencies and Imperfections
Kiyota Hashimoto* and Kazuhiro Takeuchi
Osaka Prefecture University

A4-07: ICICIC2010-312

Research on XML Text Categorization Based on Bayesian Classifier
Liyan Dong*, Shi Mo, Xiangshi Ren, Zhen Li and Han Yin
Jilin University

A4-08: ICICIC2010-486

Case-Based Innovation Reasoning and Harmonious CACD System for Footwear Products
Guowei Yang and Wei Liu*
Dalian Maritime University

December 22, Wednesday

08:20 – 10:20
B4: Data Processing
Chair: Prof. Keiichi Horio (Kyushu Institute of Technology)

B4-01: ICICIC2010-008
Mining the Telecom Marketing Information to Optimizing the Customer Retention
Strategies
  Hao-En Chueh*, Shun-Chieh Lin and Nien-Yi Jan
Yuanpei University

B4-02: ICICIC2010-068
High-Capacity Lossless Data Hiding Using a Novel Method
  Ching-Yu Yang* and Wu-Chih Hu
National Penghu University of Science and Technology

B4-03: ICICIC2010-120
Digital Image Hiding Arithmetic Based on Hermite Chaotic Neural Networks
  Ajin Zou*, Yixiang Luo, Dongqing Xie and Lingxi Peng
Guangdong Ocean University

B4-04: ICICIC2010-173
A B-Spline Based Watermark Approach for Human Mocap Data
  Boxiang Xiao*, Xinyu Guo and Chunjiang Zhao
China National Engineering Research Center for Information Technology in Agriculture

B4-05: ICICIC2010-176
N-Time Encoding Method for Hiding Multiple Images
  Kuang Tsan Lin
St. John's University

B4-06: ICICIC2010-212
Comparison of DPEI and ISCIFCM Indexes Based on PSO Capital Weighting
  Juifang Chang* and Chuengwen Chang
National Kaohsiung University of Applied Sciences

B4-07: ICICIC2010-216
A Requirement-Driven Approach to Enterprise Application Evolution
  Jinan Duan* and Qunxiong Zhu
Beijing University of Chemical Technology

B4-08: ICICIC2010-254
Visualization of Multiple Class Proximity Data Using Proximity Embedding
and a Self-Organizing Network
  Hideaki Misawa*, Keiichi Horio, Kazumasa Fukuda, Naoko Ueda and Hatsumi Taniguchi
Kyushu Institute of Technology

December 22, Wednesday

08:20 – 10:20
C4: Image Processing (I)
Chair: Prof. Hyoungseop Kim (Kyushu Institute of Technology)

C4-01: ICICIC2010-020
A Method for Small Sample Size Face Recognition Based on Kernel Discriminant Analysis with Two Subspaces
  Minghua Zhao, Zhenghao Shi and Yinghui Wang*
Xi'an University of Technology

C4-02: ICICIC2010-072
An Anti-Occlusion Object Tracking Algorithm Based on Mean Shift and Particle Filter
  Kun Xu and Lanying Guo*
Chang'an University

C4-03: ICICIC2010-075
Registration of Head CT and MR Image Sets Based on Optimal Retrieval of Volume of Interests
  Yutaro Yamamura, Kouhei Harada, Hyoungseop Kim, Joo Kooi Tan, Seiji Ishikawa and Akiyoshi Yamamoto*
Kyushu Institute of Technology

C4-04: ICICIC2010-080
ITS Image De-Noising Integrated Model Based on Partial Differential Equation
  Lixin Shen, Jing Liu, Shufang Xu, Changfeng Yuan and Tingting Tao*
Dalian Maritime University

C4-05: ICICIC2010-092
Local Multi-Contextual Hidden Markov Model in the Nonsubsampled Contourlet Domain for Image Denoising
  Xiaohong Shen, Yulin Zhang and Gaoshan Wang*
Shandong University

C4-06: ICICIC2010-140
Hiding Traces of the Inconsistent Block Artifact Grid in JPEG Images
  Shen Wang, Bian Yang and Xiamu Niu*
Harbin Institute of Technology

C4-07: ICICIC2010-151
Cost Aggregation for Stereo Matching with Trace-Based Diffusion
  Li Li, Cai-Ming Zhang and Hua Yan*
Shandong University

C4-08: ICICIC2010-230
Face Recognition with One Sample Per Person Based on Contourlet
  Lijun Yan and Jeng-Shyang Pan*
Harbin Institute of Technology

December 22, Wednesday

08:20 – 10: 20
D4: Neural Network
Chair: Dr. Yini Lin (National Taipei College of Business)

D4-01: ICICIC2010-060
Application of Forecasting Models and Residual Control Charts for False Alarms
Determination of a PCB Process
   Yuehjen E. Shao, Yini Lin, Chia-Ding Hou* and Chih-Jen Yang
Fu Jen Catholic University

D4-02: ICICIC2010-112
Predicting the Compressive Strength of Concrete Using Rebound Method and Artificial
Neural Network
   Jianming Liu, Huijian Li* and Changjun He
Yanshan University

D4-03: ICICIC2010-113
Concrete Compressive Strength Prediction Using Rebound and Core Drilling Synthetic
Method through Artificial Neural Networks
   Huijian Li, Jianming Liu* and Changjun He
Yanshan University

D4-04: ICICIC2010-122
Network Intrusion Detection Using Neural Networks and Multi-Attribute Decision Making
Method
   Huayang Wu* and Xin Guan
Heilongjiang University

D4-05: ICICIC2010-142
2D Principal Component Analysis Using a Novel Learning Algorithm
   Liang-Hwa Chen*, Po-Lun Chang and Fei-Hu Hsieh
Lunghwa University of Science and Technology

D4-06: ICICIC2010-193
Service Parts Demand Forecasting Method for Complex Equipment
   Pengpeng Wang*, Xinguo Ming, Dong Zhang, Dong Li and Zhenyong Wu
Shanghai Jiao Tong University

D4-07: ICICIC2010-197
Identification of Control Systems Using Evolutionary Neural Networks
   Yung-Chien Lin*, Yung-Chin Lin, Kuo-Lan Su and Wen-Cheng Chang
WuFeng University

D4-08: ICICIC2010-284
Research of Predictive Model of Short-Time Traffic Flow Based on Fuzzy Neural Networks
   Wenge Ma*, Xiaoli Lu and Guang Han
Liaoning University of Technology

December 22, Wednesday

08:20 – 10:20
E4: Control (II)
Chair: Prof. Hugang Han (Prefectural University of Hiroshima)

E4-01: ICICIC2010-043
Networked H_∞ Output Tracking Control Based on QoS
  Jun Kang
Chang'an University

E4-02: ICICIC2010-055
The Parameterization of all Disturbance Observers for Plants with Any Input and Output Disturbances
  Yoshinori Ando, Kou Yamada, Tatsuya Sakanushi, Takaaki Hagiwara, Nghia Thi Mai,
  Iwanori Murakami, Yuki Nakui and Hua Zhuang Lin*
Gunma University

E4-03: ICICIC2010-056
The Parameterization of all Robust Stabilizing Simple Repetitive Controllers with the Specified Input-Output Characteristic
  Tatsuya Sakanushi, Kou Yamada, Takaaki Hagiwara, Yoshinori Ando, Iwanori Murakami
and Shun Matsuura*
Gunma University

E4-04: ICICIC2010-057
A Design Method for Robust Stabilizing Multi-Period Repetitive Controllers for Time-Delay Plants with the Specified Input-Output Characteristic
  Yoshinori Ando, Kou Yamada, Tatsuya Sakanushi, Nghia Thi Mai, Takaaki Hagiwara,
  Shun Yamamoto* and Nhan Luong Thanh Nguyen
Gunma University

E4-05: ICICIC2010-067
Rendezvous of Multi-Agents with Time Delay and Network Connectivity Preservation
  Zhengquan Yang*, Qing Zhang, Zuolian Jiang and Zengqiang Chen
Civil Aviation University of China

E4-06: ICICIC2010-102
Synchronization of Spatiotemporal Chaos via Sliding Mode Control
  Congyan Chen* and Chengzhuan Jiang
Southeast University

E4-07: ICICIC2010-116
Design of a Trajectory Tracking Controller for Uncertain Nonlinear Systems via the Model-Deviation Compensation Strategy
  Xiaojie Sun*, Hua Ye and Shumin Fei
Southeast University

E4-08: ICICIC2010-260
Takagi-Sugeno Fuzzy Model-Based Controller for a Lower Limb Rehabilitation Robot Actuated by Pneumatic Muscle Actuators
  Ming-Kun Chang* and Ming-Lun Chen
St. John's University

December 22, Wednesday

10:40 – 12:25
A5: Computer Technologies for Intelligent Systems
Chairs: Zhong Zhang (Toyohashi University of Technology), Prof. Katsuhiro Inoue (Kyushu Institute of Technology), Prof. Shunsuke Ishimitsu (Hiroshima City University)

A5-01: ICICIC2010-431
A Study on Acquisition of Walk Movement by Imitation Learning for Real Robot
Hiroki Uchida and Tadashi Horiuchi*
Matsue College of Technology

A5-02: ICICIC2010-432
Design of Tri-Valued Output Cellular Neural Network for Associative Memory
for Self-Directed E-Learning
Michihiro Namba
Yamanashi Eiwa College

A5-03: ICICIC2010-433
Isotropic Image Decomposition with Triangular Biorthogonal Wavelets
Kensuke Fujinoki* and Shunsuke Ishimitsu
Hiroshima City University

A5-04: ICICIC2010-434
The Study of Audio Equipment Evaluations Using the Sound of Music
Koji Sakamoto, Shunsuke Ishimitsu, Keitaro Sugawara, Toshikazu Yoshimi
and Katsuhiro Sasaki*
Hiroshima City University

A5-05: ICICIC2010-435
The Statistical Estimation method of Muscle Activity Based on Surface EEG
*Yoko Nishihara, Jun Irie, Tomonari Yamaguchi, Toshimasa Yamazaki
and Katsuhiro Inoue**
Kyushu Institute of Technology

A5-06: ICICIC2010-436
Improving the Clarity of Body-Conducted Speech Using Linear Predictive Coefficients
Hayato Nagoshi, Shunsuke Ishimitsu, Kouhei Oda, Kiyoshi Makiyama
and Satoshi Horihata*
Hiroshima City University

A5-07: ICICIC2010-437
Metal Plating Surface Defect Detection by Template Matching Using Morphological
Processing
Zhong Zhang, Ippei Nakamura, Chang Jiang Li, Takashi Imamura, Tetsuo Miyake
and Hisanaga Fujiwara*
Toyohashi University of Technology

December 22, Wednesday

10:40 – 12:25
B5: Innovative Computing and Its Applications
Chairs: Prof. Huey-Ming Lee (Chinese Culture University)
Prof. Lily Lin (China University of Technology)

B5-01: ICICIC2010-371
Sample Assessment Method Based on Fuzzy Linguistics
Lily Lin, Huey-Ming Lee and Jin-Shieh Su*
China University of Technology

B5-02: ICICIC2010-372
Fuzzy Decision Making for IJV Evaluation Using Fuzzy Linguistics
*Teng-San Shih, Huey-Ming Lee and Jin-Shieh Su**
Chinese Culture University

B5-03: ICICIC2010-373
Web Links Detection by Ensemble Classification Mechanism
Huey-Ming Lee, Chien-Hung Chen and Ching-Hao Mao*
Chinese Culture University

B5-04: ICICIC2010-376
Study of Bubble Trapping in One-Drop-Filling (ODF) Assembly Process
Cheng Lin, Fan-Gang Tseng and Ching-Chang Chieng*
National Tsing Hua University

B5-05: ICICIC2010-377
Business Ethics and Hidden Costs of Quality -- A Case of Computer User and Supplier
Heng-Sheng Chen, Ming-Chieh Wu, Pei-Ling Wu and Jaw-Sin Su*
Chinese Culture University

B5-06: ICICIC2010-378
An Empirical Approach to the Reconfiguration of ICTs Back Office
Hau-Dong Tsui
Chinese Culture University

B5-07: ICICIC2010-379
Best Possible Upper Bound on VaR for Dependent Portfolio Risk
Huimei Liu and Chia-Hao Chan*
National Chengchi University

December 22, Wednesday

10:40 – 12:10
C5: Optimization
Chair: Prof. Jianqiang Yi (Chinese Academy of Sciences)

C5-01: ICICIC2010-084
Time-Varying Sliding Mode Control for Air-Breathing Hypersonic Vehicles
  Qunya Yin*, Jianqiang Yi and Xiangmin Tan
Chinese Academy of Sciences

C5-02: ICICIC2010-087
Optimizing the Patrol Routing Problem with Multiple Cars: An Effective Evolutionary Approach
  Yi-Chih Hsieh* and Yung-Cheng Lee
National Formosa University

C5-03: ICICIC2010-139
An Effective Adaptive Patch-Based Texture Transfer Algorithm Using Particle Swarm Optimization
  Chung-Ming Kuo*, Wei-Han Chang, Min-Yuan Fang and Guan-Da Huang
I-Shou University

C5-04: ICICIC2010-164
Artificial Bee Colony with Forward-Communication Strategy
  Pei-Wei Tsai, Ruhai Luo*, Tien-Szu Pan, Jeng-Shyang Pan and Bin-Yih Liao
Harbin Institute of Technology

C5-05: ICICIC2010-196
A Modified Quantum-Behaved Particle Swarm Optimization for Large Scale Global Optimization
  You-Min Jau, Kuo-Lan Su*, Jin-Tsong Jeng, Chia-Nan Ko and Sheng-Ven Shiau
Yunlin University of Science and Technology

C5-06: ICICIC2010-259
Solution Search Algorithm of Particle Swarm Optimization with Perturbation Term
  Shinya Tsuda*, Liu Tao and Michiharu Maeda
Fukuoka Institute of Technology

December 22, Wednesday

10:40 – 12:25
D5: Intelligent System
Chair: Prof. Juhng-Perng Su (National Yunlin University of Science and Technology)

D5-01: ICICIC2010-040
Dynamic Analysis and Simulation of Single-Closed-Loop Mechanism with a Screw Pair
   Xijuan Guo* and Yanping Fu
Yanshan University

D5-02: ICICIC2010-146
Stock-Selection Decision Method Based on AHP and TOPSIS Algorithm
   Kaiqi Zou*, Xiumin Zhou and Beiyan Li
Dalian University

D5-03: ICICIC2010-501
A Group Decision Model to Determining Basketball Team Types Using Grey Analysis
   Che-Chern Lin*, Yu-Ju Lin, Yu-Chuan Lin, Cheng-Chung Yu and Jong-Chih Chien
National Kaohsiung Normal University

D5-04: ICICIC2010-502
Determining Basketball Defense Types by Grey Correlation Analysis and Fuzzy Expert System
   Che-Chern Lin*, Yu-Chuan Lin, Yu-Ju Lin and Cheng-Chung Yu
National Kaohsiung Normal University

D5-05: ICICIC2010-503
Supervisory Fuzzy PID Control of a Magnetic Levitation System
   Ting-En Lee, Juhng-Perng Su* and Ker-Wei Yu
National Yunlin University of Science and Technology

D5-06: ICICIC2010-504
The Pole-Placement Control of MIMO Systems Based on Particle Swarming Optimization Method
   Chen-Yin Wu, Ting-En Lee, Jeng-Yih Juang and Ker-Wei Yu*
National Kaohsiung Marine University

D5-07: ICICIC2010-505
Evolutionary Computation for Good Makespans of Scheduling Problems with Mold Constraints
   Tzung-Pei Hong, Ting-I Chien, Yu-Lung Wu and Chun-Wei Lin*
National Kaohsiung Normal University

December 22, Wednesday

10:40 – 12:10
E5: Robot System
Chair: Prof. Kuo-Lan Su (Yunlin University of Science and Technology)

E5-01: ICICIC2010-104
Dynamic Environment Modeling and Path Planning for Mobile Robot
Wei-dong Chen, Yan-xiang Yang, Qi-guang Zhu and Chun-fang Wang*
Yanshan University

E5-02: ICICIC2010-157
Implementation of a Robot Inspection System for Substation Equipment Based on Pioneer 3-AT
Kezhi Wang, Shan Liang, Huibo Bi and Xiaodong Xian*
Chongqing University

E5-03: ICICIC2010-167
Ambulatory Estimation of Muscle Forces of Lower Limbs in a Rehabilitation Robot System
Tao Liu, Yoshio Inoue, Kyoko Shibata and Enguo Cao*
Kochi University of Technology

E5-04: ICICIC2010-198
A* Searching Algorithm Based Path Planning of Mobile Robots
Kuo-Lan Su, Cheng-Yun Chung, Yi-Lin Liao and Jr-Hung Guo*
Yunlin University of Science and Technology

E5-05: ICICIC2010-215
The Kinematics and Uncertain Position Workspace Analysis of a Novel Parallel Manipulator
Qiguang Zhu, Jinqiang Yan, Weidong Chen and Hongrui Wang*
Yanshan University

E5-06: ICICIC2010-229
Improving Ability of Passing Narrow Passage Using Dynamic Window Approach with Considering Robot Size for Mobile Robot
Shan Liang, Juan Liu and Xiaodong Xian*
Chongqing University

December 22, Wednesday

13:20 – 15:20
A6: Information Management
Chair: Prof. Jianping Yu (Yanshan University)

A6-01: ICICIC2010-086
A Study on the Integration of QFD-PMMM in Cloud Computing System Quality
   Chih-Had Chen, Shing-Han Li*, Mark Hwang and Jang-Ruey Tzeng
Tatung University

A6-02: ICICIC2010-096
Relation Extraction Based on Multi-View Ensemble Algorithm
   Jing Qiu*, Liehuang Zhu and Junkang Hao
Hebei University of Science and Technology

A6-03: ICICIC2010-097
Aggregation of Interval Numbers in Group Decision Making
   Yong Deng*, Jiyi Wu, Xiaohong Sun, Peida Xu and Yajuan Zhang
Southwest University

A6-04: ICICIC2010-100
FMLKNN: A Fuzzy Membership Function Based K-Nearest Neighbor Approach
for Multi-Label Classification
   Jung-Yi Jiang and Shie-Jue Lee*
National Sun Yat-Sen University

A6-05: ICICIC2010-130
Class Information Couple with Free Combination of Stem for Predicting RNA Secondary
Structure
   Changwu Wang*, Tao Liu, Yongwei Jia, Baowen Wang and Wenyuan Liu
Yanshan University

A6-06: ICICIC2010-147
On Building the AHP Model for Selecting Proper Learning Curve in IT Project
   Mincheol Kim* and Jonghoon Kim
Jeju National University

A6-07: ICICIC2010-205
Background Net for Personalized Keywords in Article Selection
   Yuan Chen*, Liya Ding, Sio-Long Lo and Wenjun Sun
Macau University of Science and Technology

A6-08: ICICIC2010-225
Synchronization Strategies of End Information Hopping for Active Cyber-Defense
   Leyi Shi*, Jie Li, Xiaorui Wang, Lanlan Jiang and Chunfu Jia
China University of Petroleum

December 22, Wednesday

13:20 – 14:50
B6: Recognition
Chair: Dr. Stephen P. Tseng (National Taipei University Technology)

B6-01: ICICIC2010-029
Incremental Learning of MQDF for Writer Adaptation
Kai Ding*, Lianwen Jin, Gang Liu, Jinglian Gao and Zhonghao Mei
South China University of Technology

B6-02: ICICIC2010-222
A Flexible 3D Face Template Protection Scheme Based on Fuzzy Extractor
Qiong Li, Ning Wang*, Qi Han, Wenjun Huang and Xiamu Niu
Harbin Institute of Technology

B6-03: ICICIC2010-253
A Real-Time Vision-Based Embedded Front Car Detecting System
Stephen P. Tseng* and Wei Fong
National Taipei University Technology

B6-04: ICICIC2010-256
Signature Vector Based Fuzzy Matching for Hierarchical SLAM
Xuefeng Dai*, Zhongda Lu and Fengxia Xu
Qiqihar University

B6-05: ICICIC2010-303
Sparse Reconstruction Embedding
Shaoli Huang, Cheng Cai* and Yang Zhang
Northwest A&F University of Science

B6-06: ICICIC2010-516
Mineral Filler Content Measurement of Asphalt Mixture Based on Image Processing
Zhaoyun Sun, Aimin Sha and Chaofan Wang
Chang'an University

December 22, Wednesday

13:20 – 15:20
C6: Image Processing (II)
Chair: Prof. Yuanqing Xia (Beijing Institute of Technology)

C6-01: ICICIC2010-152
Key Frame Extraction from Motion Capture Data Based on GPU
  Pengjie Wang, Mingmin Zhang, Haiyu Song, Haiwei Wang, Mingliang Xu*
  and Gengdai Liu
Northwestern Polytechnical University

C6-02: ICICIC2010-166
Control of Inverted Pendulum Based on Vision Sensor
  Yuanqing Xia, Wen Xie, Xiaoyun Wang and Xuan Xiao*
Beijing Institute of Technology

C6-03: ICICIC2010-172
A Picture Similarity Computing Comparison System
  Chin Jung Huang and Tsai Cheng Li*
St. John's University

C6-04: ICICIC2010-188
Design of Denoising Algorithm for SAR Image Based on Multifractal Analysis
  Dahui Li and Ming Diao*
Harbin Engineering University

C6-05: ICICIC2010-207
A New Multi-Label Scene Categorization Method Using Color Incorporated Biologically
Inspired Features and MIML SVM
  Shuangping Huang and Lianwen Jin*
South China University of Technology

C6-06: ICICIC2010-208
An Improved Algorithm on Color Image Enhancement in the DCT Domain
  Xiuhua Ji, Xudong Song and Jiefei Feng*
Shandong Economic University

C6-07: ICICIC2010-211
A Study on an Operation Skill Inheritance Assistance Function for Virtual Surgical
Simulation System
  Tatsushi Tokuyasu, Kenji Yufu, Takashi Shuto, Shotaro Kanao, Akira Marui*
  and Masashi Komeda
Oita National College of Technology

C6-08: ICICIC2010-262
Balanced Color Blending Between Images
  *Ming-Long Huang, Chung-Min Yu and Chung-Ming Wang**
National Chung Hsing University

December 22, Wednesday

13:20 – 15:20
D6: Web and Security
Chair: Prof. Zengqiang Chen (Nankai University)

D6-01: ICICIC2010-070
Efficient ID-Based Online/Offline Encryption Scheme in the Standard Model
Yang Ming* and Xiaoqin Shen
Chang'an University

D6-02: ICICIC2010-105
How to Measure Software Flexibility
Si-wei Peng*, Li-min Shen and Hui Liu
Yanshan University

D6-03: ICICIC2010-107
A Password Authentication Scheme with Forward Secrecy
Yung-Cheng Lee* and Yi-Chih Hsieh
WuFeng Institute of Technology

D6-04: ICICIC2010-199
A SOAP-Based Domain Web Service Middleware: Design and Implementation
Mei-Hsien Lin*, Hsu-Yang Kung, Wei-Kuang Lai, Yuan-Hung Lan and Chin-Shiuh Shieh
National Sun Yat-sen University

D6-05: ICICIC2010-200
Short Signature in the Standard Model
Leyou Zhang*, Qing Wu and Yupu Hu
Xidian University

D6-06: ICICIC2010-201
Adaptively Secure Hierarchical Identity-Based Encryption in the Standard Model
Qing Wu
Xi'an Institute of Posts and Telecommunication

D6-07: ICICIC2010-221
A Flexible Access Control Mechanism for Web Services
Chi-Chun Lo, Chun-Chieh Huang, Fang-Yi Lee, Kuang-Yu Chen, Ping-Hsien Ho
and Annie Graebner*
National Chiao Tung University

D6-08: ICICIC2010-236
The Design and Realization of Encryption System with Chaos in Network Video Stream
Based on SOPC
Jigang Tong, Lie Lin, Zhenxin Zhang, Qinlin Sun and Zengqiang Chen*
Nankai University

December 22, Wednesday

13:20 – 15: 05
E6: Control (III)
Chair: Prof. Shihua Li (Southeast University)

E6-01: ICICIC2010-123
Robust Adaptive Neural Speed Tracking Control for the Induction Motor Drive System
  Jinpeng Yu*, Yumei Ma, Bing Chen, Haisheng Yu and Songfeng Pan
Qingdao University

E6-02: ICICIC2010-149
Robust H_∞ Guaranteed Cost Filter Design for a Class of Uncertain Nonlinear Time-Delay
Stochastic System
  Jiqing Qiu, Xiaodan Zhu*, Lianqing Su and Yanjun Wang
Hebei University of Science and Technology

E6-03: ICICIC2010-153
Discrete-Time Designs for Load Swing Control of an Overhead Crane
  Prapart Ukakimaparn, Pittaya Pannil*, Krit Smerpitak, Kitti Tirasesth,
  Thanit Trisuwannawat, Nariyuki Kodani and Shigeto Ouchi
King Mongkut's Institute of Technology Ladkrabang

E6-04: ICICIC2010-170
Performance Analysis of Active Disturbance Rejection Control
on the First-Order-Plus-Dead-Time Plant
  Ruiguang Yang*, Mingwei Sun and Zengqiang Chen
Nankai University

E6-05: ICICIC2010-204
Track Following Control of Dual Arm Free Flying Space Manipulator
  Shi Li*, Guangren Duan and Ning Wang
Harbin Institute of Technology

E6-06: ICICIC2010-187
Robust Consensus of Multi-Agent Systems with Input and Communication Delays
  Meiying Ou, Haibo Du and Shihua Li*
Southeast University

E6-07: ICICIC2010-227
Subspace Based Direct Closed-Loop Identification via Output Over-Sampling Scheme
  Lianming Sun*, Weihong Zhu, Yucai Zhu and Bo Hu
The University of Kitakyushu

December 22, Wednesday

15:40 – 17:40
A7: Applied Statistics
Chair: Prof. Tzong-Ru Tsai (Tamkang University)

A7-01: ICICIC2010-064
A Decomposition Approach for Identifying the Sources of Variance Shifts in a Multivariate Process
   Yuehjen E. Shao*, Chia-Ding Hou, Chien-Hui Chao and Ying-Jen Chen
Fu Jen University

A7-02: ICICIC2010-313
Application of the Mixed-Effects Model for Determining Optimal Input Variables in Simulation Analysis
   You-Jin Park, Kwangyeol Ryu, Hyerim Bae*, Sangdo Noh, Yongju Cho, Sangsu Choi and Hyunjei Jo
Pusan National University

A7-03: ICICIC2010-381
A Study on the Modified Two-Sided Sequential Screening Procedure
   Shu-Fei Wu*, Ying-Po Lin and Huei-Jiuan Lin
Tamkang University

A7-04: ICICIC2010-382
Goodness-of-Fit Tests for GEE Models with Longitudinal Ordinal Data Using a Global Odds Ratio
   Kuo-Chin Lin*, Yi-Ju Chen and Chin-Yun Liu
Tainan University of Technology

A7-05: ICICIC2010-383
Bayesian Sampling Plans with Three Equally-Spaced Interval Censoring Data
   Wanbo Lu, Tzong-Ru Tsai* and Daimin Shi
Tamkang University

A7-06: ICICIC2010-384
Evaluation of Multiple Imputation for Longitudinal Ordinal Data under MCAR and MAR Missing-Data Mechanisms
   Li-Wen Tuan, Yi-Ju Chen*, Pai-Ling Li and Kuo-Chin Lin
Tamkang University

A7-07: ICICIC2010-385
A New Method for Measuring Similarity Between Two GMMs
   Chuan-Wei Ting*, Li-Ching Chen and Chih-Liang He
Industrial Technology Research Institute

A7-08: ICICIC2010-386
Estimation of the Change Point of a Multivariate Normal Process Using the |S| Control Chart and MLE Method
   Chia-Ding Hou, Yuehjen E. Shao and Sheng Huang*
Fu Jen Catholic University

December 22, Wednesday

15:40 - 17:25
B7: Soft Computing
Chair: Prof. Wenyi Zeng (Beijing Normal University)

B7-01: ICICIC2010-001
Heuristic Algorithm Based on Discernibility Matrix for Generating all Reductions
Zhiguo Huang*, Yuanxiang Li, Xiaoji Yang and Gang Liu
Wuhan University

B7-02: ICICIC2010-011
The Relationships among IV-Similarity Measure, IV-Entropy and IV-Inclusion Measure of Interval-Valued Fuzzy Sets
Wenyi Zeng*, Yibin Zhao and Ping Guo
Beijing Normal University

B7-03: ICICIC2010-108
Fuzzy Identification Based on Monotonicity and Interval Type-2 Fuzzy Logic
Tiechao Wang*, Jianqiang Yi and Chengdong Li
Chinese Academy of Sciences

B7-04: ICICIC2010-135
Determination of the Senses of English Modal Verb *Will* by Fuzzy C-Means Cluster
Jianping Yu*, Liang Huang, Deming Mei, Wenxue Hong and Hongyu Liu
Yanshan University

B7-05: ICICIC2010-141
Function Approximation Using a Novel Robust Fuzzy-GreyCMAC Approach
Po-Lun Chang*, Liang-Hwa Chen, Ying-Kuei Yang, Hen-Kung Wang and Fei-Hu Hsieh
Lunghwa University of Science and Technology

B7-06: ICICIC2010-174
Network Teaching Intelligent Evaluation Method Research on Fuzzy Comprehensive Judgment
Shiqun Yin*, Weiling Chen and Wei Wang
Southwest University

B7-07: ICICIC2010-304
Unbalanced Linguistic Information in Fuzzy Risk Analysis
Fang Sun, Baihua Li, Li Zou* and Zheng Pei
Liaoning Normal University

December 22, Wednesday

15:40 – 17:40
C7: Knowledge Management
Chair: Prof. Xiangpei Hu (Dalian University of Technology)

C7-01: ICICIC2010-005
Incentive Design under Uncertainty in Tacit Knowledge Sharing
   Gaoshan Wang* and Xin Zhang
Shandong Economic University

C7-02: ICICIC2010-031
An Active Management Framework for Automatic Fault Detection and Elimination
in Distributed Systems
   Zhonglei Fan
Chang'an University

C7-03: ICICIC2010-051
The Scheduling Strategy of Concurrent Request in Distributed Railway Interlocking
System
   Xinhong Hei* and Na Ouyang
Xi'an University of Technology

C7-04: ICICIC2010-079
Research on Semantic Method of Library Resources' Organizing
   Yao Liu*, Xue-Fei Chen, Zhifang Sui, Yongwei Hu and Qingliang Zhao
Institute of Scientific and Technical Information of China

C7-05: ICICIC2010-098
Knowledge Agglomeration of Emergency Decision-Making Based on Principle of Water
Collection on Spider Silk
   Lindu Zhao
Southeast University

C7-06: ICICIC2010-110
Empirical Research on the Influence of Human's Mental State on Knowledge Transfer
Efficiency
   Chunmei Han* and Wenping Wang
Southeast University

C7-07: ICICIC2010-111
A Matching Algorithm for Context-Based Knowledge Support towards Foreigners in China
   Xiangpei Hu*, Khalil Al-mekhlafi, Lijun Sun and Ziguang Zheng
Dalian University of Technology

C7-08: ICICIC2010-137
Incentive Mechanism of Special Knowledge Sharing for Two Clients with Complementary
Knowledge
   Mingzheng Wang*, Changyan Shao and Mengru Ma
Dalian University of Technology

December 22, Wednesday

15:40 – 17:40
D7: Wireless System
Chair: Prof. Lixin Shen (Dalian Maritime University)

D7-01: ICICIC2010-069
Design and Implementation of Industry Wireless Gateway Prototype
*Guangen Gao, Quanli Liu and Wei Wang**
Dalian University of Technology

D7-02: ICICIC2010-071
Applying PCB Configuration to Wireless Mouse Power
Chao-Shui Lin, Tsung-Jung Li, Shih-Chang Chen, Yi-Nung Chung and Tsair-Rong Chen*
National Changhua University of Education

D7-03: ICICIC2010-117
CFO Matrix Method and Performance Analysis for Carrier Frequency Offset Estimation
in OFDMA Uplink
Ruiyan Du, Jinkuan Wang, Liqun Shan and Fulai Liu*
Northeastern University

D7-04: ICICIC2010-145
A Novel OFDM-Based Wireless Positioning Protocol for Cellular Networks
Guannan Zhao, Donglin Wang, Michel Fattouche and Minglu Jin*
Dalian University of Technology

D7-05: ICICIC2010-209
Design and Implementation of Clint-Side Caching Service for Mobile Device
*Jiwon Park and Minsoo Kim**
Pukyong National University

D7-06: ICICIC2010-214
Best-Path-Tree Multicast Routing in Wireless Mesh Networks
Yuh-Chung Lin, Chin-Shiuh Shieh and Yung Cheng Lin*
Tajen University

D7-07: ICICIC2010-223
Obstacle-Free Robot Deployment Algorithm for Wireless Sensor Networks
Liang Cheng Shiu, Chao Yang Lee and Chu Sing Yang*
National Cheng Kung University

D7-08: ICICIC2010-231
A Technique of Approximate Estimation for Localization in Wireless Sensor Networks
*Chang Gyoon Lim, XiaoFang Xu, Eung Kon Kim and Yong Min Kim**
Chonnam National University

December 22, Wednesday

15:40 – 17:25
E7: Management Science (II)
Chair: Prof. Yunfu Huo (Dalian University)

E7-01: ICICIC2010-009
Threshold Model of High and Low Oil Price Periods for Two Stock Market Returns: Empirical Study of Shanghai's and Shenzhen's Stock Markets
Wann-Jyi Horng* and Hai-Lin Lu
Chia Nan University

E7-02: ICICIC2010-026
A Comprehensive Model to Assess E-Commerce Security Based on AHP and Evidential Reasoning: First Results
Yajuan Zhang*, Xinyang Deng, Wen Jiang and Yong Deng
Southwest University

E7-03: ICICIC2010-239
Fault Diagnosis for E-Seal Unreadability Using Learning Bayesian Networks
Chien-Wen Shen
National Central University

E7-04: ICICIC2010-302
Studies on Military Logistics Order Decomposition Model
Wenwei Huang*, Zhiyong Zhang, Ying Lu and Pengqizi Huang
National University of Defense Technology

E7-05: ICICIC2010-314
Bayesian Network for Finding Best Combination of Performers in BPM Environment
Bernardo Nugroho Yahya, Arif Wibisono*, Hyerim Bae and Kwangyeol Ryu
Pusan National University

E7-06: ICICIC2010-511
The M-Commerce Service Influence the Consumption Network of Chinese Farmers
Yunfu Huo, Bo Zhang, Lin Ma and Ping Zhang
Dalian University

E7-07: ICICIC2010-514
Based on Social Network, The Influencing Factors of M-Commerce Services' Chinese Farmers' Adoption
Yunfu Huo, Ping Zhang, Lin Ma and Bo Zhang
Dalian University