



International



*The Fourth International Conference on
Innovative Computing, Information and Control*

December 7-9, 2009, Kaohsiung, Taiwan
<http://bit.kuas.edu.tw/~icic09>

Conference Program

December 6, 2009

Registration 13:30-17:30
(Kaohsiung Ambassador Hotel)

December 7, 2009

Registration 08:00-17:30
Opening 08:30-09:00
Plenary Speech I (Prof. Hideyuki Takagi) 09:00-10:00
Coffee Break..... 10:00-10:10
Plenary Speech II (Prof. Tzyh-Jong Tarn) 10:10-11:10
Coffee Break..... 11:10-11:20
Plenary Speech III (Prof. John F Roddick.....11:20-12:20
Lunch..... 12:20-13:20
Sessions A01-A05 13:20-15:20
Coffee Break..... 15:20-15:40
Sessions A06-A10 15:40-17:40
Welcome Dinner 18:00-20:00

December 8, 2009

Registration 08:00-17:30
Plenary Speech IV (Prof. Andrew Ware) 09:00-10:00
Coffee Break..... 10:00-10:10

Plenary Speech V (Prof. Jhing-Fa Wang)	10:10-11:10
Coffee Break.....	11:10-11:20
Sessions B01-B05	11:20-12:30
Lunch.....	12:30-13:20
Sessions B06-B10	13:20-15:20
Coffee Break.....	15:20-15:40
Sessions B11-B15	15:40-17:40
Conference Banquet	18:40-20:00

December 9, 2009

Registration	08:00-17:30
Plenary Speech VI (Prof. Won Kim)	09:00-10:00
Coffee Break.....	10:00-10:10
Plenary Speech VII (Prof. Jianrong Tan)	10:10-11:10
Coffee Break.....	11:10-11:20
Sessions C01-C05	11:20-12:30
Lunch.....	12:30-13:20
Sessions C06-C10	13:20-15:20
Coffee Break.....	15:20-15:40
Sessions C11-C14	15:40-17:40
Poster Session	15:40-17:40
Conference Farewell	18:00-20:00

Session List

December 7, 2009, 13:20-15:20

- A01: Management of Technology
- A02: Innovative Computing and Its Applications
- A03: Information Networking and Application
- A04: Intelligent Measurement, Diagnosis and Control (I)
- A05: Human Information Technologies

December 7, 2009, 15:40-17:40

- A06: e-Learning
- A07: Fault Diagnosis and Fault Tolerant Control
- A08: Innovative Embedded Computing
- A09: Intelligent Measurement, Diagnosis and Control (II)
- A10: Cross-discipline Techniques (I)

December 8, 2009, 11:20-12:30

- B01: Cross-discipline Techniques (II)
- B02: Cross-discipline Techniques (III)
- B03: Cross-discipline Techniques (IV)
- B04: Cross-discipline Techniques (V)
- B05: Cross-discipline Techniques (VI)

December 8, 2009, 13:20-15:20

- B06: Novel Approaches to Pervasive Applications
- B07: Advanced Image Recognition and Retrieval
- B08: Identification for Optimization in Nonlinear Systems
- B09: Computer Technologies for Intelligent Systems
- B10: Innovative Intelligent System and Control (I)

December 8, 2009, 15:40-17:40

- B11: Recent Advances on Swarm Intelligence
- B12: Control system and Applications
- B13: RFIC for Wireless Control

B14: Intelligent Computing, 3D Model Retrieval, and Data Hiding
B15: Innovative Intelligent System and Control (II)

December 9, 2009, 11:20-12:30

C01: Intellectual Systems and Interfaces (I)
C02: Motor Electronic and Control Applications (I)
C03: Innovative Applications of Data Mining and Knowledge Management
C04: Intelligent Systems and Applications
C05: Cross-discipline Techniques (VII)

December 9, 2009, 13:20-15:20

C06: Intellectual Systems and Interfaces (II)
C07: Motor Electronic and Control Applications (II)
C08: Artificial Intelligence Applications for E-services
C09: Mathematical Modeling and Control Systems
C10: Natural Language Processing and Ontology Engineering

December 9, 2009, 15:40-17:40

C11: E-commerce and Logistics Management
C12: Network Security and Network Algorithms
C13: Intelligent Video Processing
C14: Innovative Computing Methods in Finance and Management
C15: Poster Session

A01

Management of Technology

Chia-Nan Wang, National Kaohsiung University of Applied Sciences, Taiwan

A01-01, ICICIC-2009-IS01-01

The Relationship between Decision Type and Knowledge Management Preferences

Peng-Hsiang Kao, Hsin Kao, and Ji-Chyuan Liou

China Institute of Technology, Taiwan

A01-02, ICICIC-2009-IS01-02

The Relationship between Length of Employment and Length of Leadership – Moderating Effects of Knowledge Management Preferences

Hsin Kao, Peng-Hsiang Kao, and Ji-Chyuan Liou

China Institute of Technology, Taiwan

A01-03, ICICIC-2009-IS01-03

The Empirical Study on the Vitality Index of Organization for the Taiwanese Hospitality

Hsiao-Chi Ling, Chia-Nam Wang, Sung-Yi Hsieh, and Chao Chiao

Ching Kuo Institute of Management and Health, Taiwan

A01-04, ICICIC-2009-IS01-04

Study of Bike Customers Value Analysis

Ming-Haur Shih

National Sun Yat-Sen University, Taiwan

A01-05, ICICIC-2009-IS01-05

The Evaluation of an Index to Measure the Sustainable Vitality of Financial Industry

Sung-Yi Hsieh, Chia-Nam Wang, Hsiao-Chi Ling, and Chao Chiao

De Lin Institute of Technology, Taiwan

A01-06, ICICIC-2009-IS01-06

Case Adaptation in Case-Based Reasoning System for Back-Light Modules

Chengter Ho and Lifai Wang

National Kaohsiung University of Applied Science, Taiwan

A01-07, ICICIC-2009-IS01-07

A Discourse on Variables Affecting Grinding Spark Duration of Billets —Using 1018 Steel B5 Process of Certain Steel Plant as Example

Gwo-Yang Tsai and Ming-Hung Shu

National Kaohsiung University of Applied Science & China Steel Corporation, Taiwan

A01-08, ICICIC-2009-IS01-09

Utilizing AHP in the Most Advantageous Bid

Huo Sheng Kuo, Chao-Lieh Pan, and Ying-fang Huang

National Kaohsiung University of Applied Science, Taiwan

A01-09, ICICIC-2009-1374

A Two-level Estimation Approach for a Radar System

W-C Liu, C-W Lai, Y-N Chung, and T-S Pan

Da-Yeh University, Taiwan

A02

Innovative Computing and Its Applications

Huey-Ming Lee, Chinese Culture University, Taiwan

Lily Lin, China University of Technology, Taiwan

A02-01, ICICIC-2009-IS29-01

Fuzzy Inventory without Backorder Model Based on Signed Distance Method

Lily Lin and Huey-Ming Lee

Department of Information Management

Chinese Culture University, Taiwan

A02-03, ICICIC-2009-IS29-03

A New Method for Fuzzy Group Decision-Making Based on Fuzzy Induced OWA Operators

Shyi-Ming Chen and Shun-Jhong Niou

National Taiwan University of Science and Technology, Taipei

A02-04, ICICIC-2009-IS29-04

A Fuzzy Presumptive Rate of Aggregative Risk in Software Development

Huey-Ming Lee and Lily Lin

Chinese Culture University, Taiwan

A02-05, ICICIC-2009-IS29-05

Using Cross-Platform Course Management System in English Practicum Course: A Case Study for English Teacher-Candidates

Karen C. C. Tsai

Chinese Culture University, Taiwan

A02-06, ICICIC-2009-IS29-06

The Keyless Technique of Text Data Mining and Its Application

Heng-Sheng Chen and Jaw-Sin Su

Chinese Culture University, Taiwan

A02-07, ICICIC-2009-615

Face Recognition Under Varying Illumination Based On Ordinal Features

Tao Sun, Yi Liu, and Huan Yang

Shandong University, China

A02-08, ICICIC-2009-1027

Application of Non-Homogeneous Poisson Process Modeling to Containership Arrival Rate

Hsien-Lun Wong, Shang-Hsing Hsieh, and Yi-Hsien Tu

Minghsin University of Science and Technology, Taiwan

A02-09, ICICIC-2009-1647

Batch Process Optimal Design by a Mixed-Integer Evolutionary Algorithm

Yung-Chien Lin, Yung-Chin Lin, and Kuo-Lan Su

WuFeng Institute of Technology, Taiwan

A02-10, ICICIC-2009-IS29-02

Maximum Revenue for Fuzzy Price Based on $(\lambda, 1)$ Interval-valued Fuzzy Numbers

Teng-San Shih, Jin-Shieh Su, and Huey-Ming Lee

Chinese Culture University, Taiwan

A03

Information Networking and Application

Takuo Nakashima, Tokai University, Japan

A03-01, ICICIC-2009-IS19-03

A Proposal of Obstacle Detection Technology using the View-aid System

Yoshifumi Oyama and Yusuke Nakashima

Kumamoto National College of Technology, Japan

A03-02, ICICIC-2009-IS19-04

A New P2P File Sharing System Based on the Access Distribution Property

Yuichi Hattori and Takuo Nakashima

Tokai University, Japan

A03-03, ICICIC-2009-IS19-05

Flooding Features for the AODV Protocol under the Different Communication Distances

Natsuru Yamamura and Takuo Nakashima

Tokai University, Japan

A03-04, ICICIC-2009-404

A Debugging Algorithm in Equivalent Transformation Model using Oracle Rules

Shinya Miyajima, Kiyoshi Akama, and Hiroshi Mabuchi

Gifu University, Japan

A03-05, ICICIC-2009-767

Analytic Network Process Decision-making to Assess Collaborative Design Systems Organizational Performance

Che-Wei Chang, Cheng-Ru Wu, and Chiu-Chin Chen

Yuanpei University, Taiwan

A03-06, ICICIC-2009-1509

Application of Assembly Structure Model in Welding Estimate for Knowledge-based Production Design Support Systems

Zhihua Zhang and Zhou Su

Sanyo Women's College, Japan

A03-07, ICICIC-2009-1796

A Service-Aware Home Networking System Based on OSGi

Chih-Yao Yang, Yu-Jen Chen, Hsu-Yang Kung, Chun-Hao Lin, and Shin-Di Li

Chang Gung University, Taiwan

A03-09, ICICIC-2009-2015

A Temperature Surveillance System based on Zigbee Technology for Blaze Detection

Mong-Fong Horng, Chien-Chou Shih, Wen-Hsiung Hsieh, and Li-Chen Lin

National Kaohsiung University of Applied Sciences, Taiwan

A04

Intelligent Measurement, Diagnosis and Control (I)

Xiao-dong Zhang, Northwestern Polytechnical University, China

Lichen Gu, Northwestern Polytechnical University, China

Zhongsheng Wang, Northwestern Polytechnical University, China

A04-01, ICICIC-2009-IS09-01

Modeling of Aeroengine Hydro-mechanical Controller and Analyzing of the Control System Performance

Yingqing Guo and Kuo Li

Southeast University, China

A04-02, ICICIC-2009-IS09-02

Application of Fuzzy Neural Network to Aero-engine Controller Design

Haiquan Wang, Yingqing Guo, and Jun Lu

Southeast University, China

A04-03, ICICIC-2009-IS09-03

Design on Sampling Circuit of EEG Signal Based on AT86C2051 Single-chip

Xiao-dong Zhang and Zhen-hai Zhang

Northwestern Polytechnical University, China

A04-04, ICICIC-2009-IS09-05

Investigation of a Novel Knowledge Operation Model Based on Rough Set Theory

Rongzhen Zhao, Cuiming Li, and Chao Li

Lanzhou Univ, China

A04-05, ICICIC-2009-IS09-06

A Study on the Computer-Aided Dynamic Test and Analysis of the Rotating Accuracy of A Spindle

Jiangping Wang and Zefu Bao

Xi'an Shiyou University, China

A04-06, ICICIC-2009-837

An Efficient Histogram-Based Method for Background Modeling

Chung-Ming Kuo, Wei-Han Chang, Sheng-Bin Wang, and Chih-Shan Liu

I-Shou University, Taiwan

A04-07, ICICIC-2009-1819

Segmentation of Natural Image Based on Symmetry Features

Shih-Kuan Liao, Yu-En Han, and Chuen-Horng Lin

National Taichung Institute of Technology, Taiwan

A04-08, ICICIC-2009-2012

Research on Java Software Protection with the Obfuscation in Identifier Renaming

Zhanyong Tang, Xiaojiang Chen, Dingyi Fang, and Feng Chen

Northwest University, China

A05

Human Information Technologies

Tsuyoshi Ideguchi, Tokai University, Japan

A05-01, ICICIC-2009-IS15-01

Basic Study on Presenting Distance Information to the Blind for Navigation

Chikamune Wada

Kyushu Institute of Technology, Japan

A05-02, ICICIC-2009-IS15-02

Implementation and Evaluation of the Gesture Interface for Object Based E-learning System

Kazuo Nagata, Satoshi Dounoue, Kazuhiro Koshi, Masazumi Miyoshi, and Kimiyasu Kiyota

Kumamoto National College of Technology, Japan

A05-03, ICICIC-2009-IS15-03

Design of Comfortable Working Environment on Bed for Bedridden People

Kazuhiro Koshi, Kazuo Nagata, Kimiyasu Kiyota, Masazumi Miyoshi, Hiroaki Koga, and

Hitomi Umeda

Kumamoto National College of Technology, Japan

A05-04, ICICIC-2009-IS15-04

An Examination of a Music Appreciation Method Incorporating Tactile Sensations from Artificial Vibrations

Ryujyu Yoshida, Tsuyoshi Ideguchi, and Keita Ooshima

Tokai University, Japan

A05-05, ICICIC-2009-745

Human Support Interface for Operation of Industrial Crane based on RNN

Mitsuhiro Kimura, and Masami Konishi

Okayama University, Japan

A05-06, ICICIC-2009-638

A network fle storage model with security and information retrieval support

Wei-Heng Zhu and Shun Long

JiNan University, China

A05-07, ICICIC-2009-774

HARDWARE REALIZATION OF TLM

Yibin Li, Vassilios Chouliaras, and James Flint

Loughborough University, UK

A05-08, ICICIC-2009-875

A Volume Visualization System with Augmented Reality Interaction for Evaluation of Radiotherapy Plans

Chang-Yu Wang, Tsair-Fwu Lee, and Chun-Hsiung Fang

National Kaohsiung University of Applied Sciences, Taiwan

A05-09, ICICIC-2009-1670

Using Volume Features and Shape Features for Alzheimer's Disease Diagnosis

Jiann-Der Lee, Shau-Chiuan Su, and Chung-Hsien Huang, Wen-Chuin Xu, and You-You Wei

Chang Gung University, Taiwan

A06

e-Learning

Min-Hsin Chen, Chienkuo Technology University, Taiwan

Chun-Hua Chen, Chienkuo Technology University, Taiwan

A06-01, ICICIC-2009-IS30-01

The Development of an Effective RFID Instruction System

Min-Hsin Chen, Rui-Chi Jao, Li-Hua Sui, and Yu-Shan Lin

National Central University, TAIWAN

A06-02, ICICIC-2009-IS30-02

E-Learning: Creating a High Touch Learning Community with High Tech

Pat LeMay Burr, Annette E. Craven, and Min-Hsin Chen

National Central University, TAIWAN

A06-03, ICICIC-2009-IS30-03

A Chinese Idiomatic Phrase E-learning System

Yih-Jeng Lin, Wen-Lung Tsai, and Tong-Sheng Lee

Chien-Kuo Technology University, Taiwan

A06-04, ICICIC-2009-IS30-04

The Introduction and Future Visions of E-learning at Chienkuo Technology University

Chun-Hua Chen and Min-Hsin Chen

National Central University, TAIWAN

A06-05, ICICIC-2009-270

An Asymmetric and DCC Analysis of Two Exchange Rate Market Returns: An Evidence Study of the Japan and the Korea's Exchange Rate Markets

Wann-Jyi Horng

Chia Nan University, Taiwan

A06-06, ICICIC-2009-426

Computer Aided Diagnosis for Traditional Chinese Medicine based on Information Retrieval techniques

Shun Long, and Wei-Heng Zhu

JiNan University, Guangzhou, China

A06-07, ICICIC-2009-533

Local-Global-Learning of Naive Bayesian Classifier

shengtong Zhong and Helge Langseth

Norwegian University of Science and Technology, Norway

A06-08, ICICIC-2009-808

Quantitative Coronary Analysis Medical Image Processing Improved by Combining Wavelet Edge Detection and Segmentation

Tsair-Fwu Lee, Chang-Yu Lee, Pei-Ju Chao, Chieh Lee, Chang-Yu Wang, and Chun-Hsiung Fang
National Kaohsiung University of Applied Sciences, Taiwan

A06-09, ICICIC-2009-1662

Building an interactive and collaborative learning system for virtual reality learning

Hsiu-Mei Huang, Min-Cong Peng, and Yi-Chun Teng
National Taichung Institute of Technology, Taiwan

A07

Fault Diagnosis and Fault Tolerant Control

Yuehjen Shao, Fu Jen Catholic University, Taiwan

A07-01, ICICIC-2009-IS04-02

Fault Prediction for Dynamic Systems with State-Dependent Faults

Gui-Bin Xu and Dong-Hua Zhou

Tsinghua University, China

A07-02, ICICIC-2009-676

A Study on Applying Mind Mapping to Build a Knowledge Map of the Project Risk Management of Research and Development

Yu-Tien Cheng, Huan-Ming Chuang, and Chan-Chao Wen

National Yunlin University of Science and Technology, Taiwan

A07-03, ICICIC-2009-IS04-04

Fault-tolerant Sliding Mode Control Design for Near Space Vehicle Based on T-S Fuzzy Model

Zhi-Feng Gao, Bin Jiang, Hua-Jun Gong, and Yu-Fei Xu

Nanjing University of Aeronautics and Astronautics, China

A07-04, ICICIC-2009-IS04-05

Adaptive Control Algorithm for Speed Regulation of Marine Engine

Xiao-Yan Xu and Yin-Zhong Ye

Shanghai Institute of Technology, China

A07-05, ICICIC-2009-IS04-06

Stability of Master-slave Networked Control System

Yingwei Zhang, Lirong Zhai, Qingfeng Meng, and Yongdong Teng

Northeastern University, China

A07-06, ICICIC-2009-579

Multilayer Architecture Based on HMM and SVM for Fault Classification

Yujun Pang, Zhen Ma and Yuan Li

Shenyang Institute of Chemical Technology, China

A07-07, ICICIC-2009-582

Fault Diagnosis and Detection Based On Combination With Gaussian Mixture Models and Variable Reconstruction

Jian Sun, Yuan Li and ChengLin Wen

Shenyang Institute of Chemical Technology, China

A07-08, ICICIC-2009-1579

A Fault Detection for a Correlated Process with the Use of SPC/EPC/NN Scheme

Yuehjen E. Shao

Fu Jen Catholic University, Taiwan

A07-09, ICICIC-2009-1774

Vibration Fault Diagnosis of Rotating Machinery in Power Plants

Huo-Ching Sun, Yann-Chang Huang, Kun-Yuan Huang, and Wei-Chi Su

Cheng Shiu University, Taiwan

A07-10, ICICIC-2009-IS04-03

Fault-tolerant Control for a Class of Uncertain Systems with Actuator Faults

Si-Jun Ye, You-Min Zhang, Xin-Min Wang, and Bin Jiang

Northwest Polytechnical University, China

A08

Innovative Embedded Computing

Yuan-Long Jeang, Kun Shan University, Tainan

A08-01, ICICIC-2009-IS02-01

Implement of Power Assisted Vehicle Based on Fuzzy Neural Networks

Tsai-Jiun Ren

Kun Shan University, Taiwan

A08-02, ICICIC-2009-IS02-02

The Corpus Preparation and Effective Feature Representation of Emotional Speech

Chih-Hsien Huang, Cheng-Hung Tsai, and Bo-Yi Li

Tainan County, Taiwan

A08-03, ICICIC-2009-IS02-03

A Hierarchical Rule-Based Activity Recognition System with Frequency Pattern Mining

Ji-Yu Li, Po-Cheng Huang, Yau-Hwang Kuo, and Kuan-Rong Lee

Tainan County, Taiwan

A08-04, ICICIC-2009-IS02-04

Fusing Remote Control Usages and Facial Expression for Emotion Recognition

Meng-Hsuan Fu, Yau-Hwang Kuo, Kuan-Rong Lee, and Chi-Lu Yang

Tainan County, Taiwan

A08-05, ICICIC-2009-IS02-05

A Low-Cost and High Performance Pipelined Code Decompression Engine for ARM-series Processors

Yuan-Long Jeang and Ko-Yen Hu

Tainan County, Taiwan

A08-06, ICICIC-2009-621

Evaluation of Hierarchical Temporal Memory for a Real World Application

Wim J. C. Melis, Shuhei Chizuwa, and Michitaka Kameyama

Tohoku University, Japan

A08-07, ICICIC-2009-826

A Method to Model Nonlinear Systems by Neural Networks

Xifan Yao, Dongyuan Ge, and Zhaotong Lian

South China University of Technology, China

A08-08, ICICIC-2009-1333

A Design Method for 2-Degree-Of-Freedom Modified Smith Predictors

Kou Yamada, Yoshinori Ando, Takaaki Hagiwara, Iwanori Murakami, and Nghia Thi Mai
Gunma University, Japan

A08-09, ICICIC-2009-1546

Synthesizing Multichannel Recordings Based on Adaptive Spectrogram Morphing

Ching-Shun Lin and Chris Kyriakakis

National Taiwan University of Science and Technology, Taiwan

A09

Intelligent Measurement, Diagnosis and Control (II)

Xiao-dong Zhang, Northwestern Polytechnical University, China

Lichen Gu, Northwestern Polytechnical University, China

Zhongsheng Wang, Northwestern Polytechnical University, China

A09-01, ICICIC-2009-IS09-07

Research on Triangle Adaptive Measurement Method for Unknown-surface

Tao Liu, Zheng Xu, and Zhiyuan Rui

Lanzhou University, China

A09-02, ICICIC-2009-IS09-08

Early Fault Feature Extraction of Rotor Imbalance and Self-healing Monitoring

Zhongsheng Wang, Xiang Wang, and Baopeng Luo

Guangdong Polytechnic Normal University, China

A09-03, ICICIC-2009-IS09-09

Design of Remote Fault Diagnosis System on Aircraft

Hui Yu, Zhongsheng Wang, and Yuhua Lu

Guangdong Polytechnic Normal University, China

A09-04, ICICIC-2009-IS09-11

Research on PID Control Technology of Upper Limb Exoskeleton Robot

Chen He, Xiao-dong Zhang, and Yu-tao Yang

Northwestern Polytechnical University, China

A09-05, ICICIC-2009-IS09-12

An Intelligent Fuzzy-PID Control System for High-speed Solenoid Valve

Liang-liang Pu and Xiao-dong Zhang

Northwestern Polytechnical University, China

A09-06, ICICIC-2009-562

A Method for Recovering Maneuver Targets Spectra Based on the Algorithm of Decontaminating Ionospheric Slow Phase-path Disturbance

Jun Tang, Chengyu Hou, and Yiyang Shen

Bei Hang University, China

A09-07, ICICIC-2009-770

Analyzing Alternatives in Collaborative Technology of Software Contractor by Analytic Network Process

Cheng-Ru Wu, Che-Wei Chang, and Chia-Chun Liao
Yuanpei University, Taiwan

A09-09, ICICIC-2009-1060

Development of the Adaboost-SVM model for the classification of estrogen receptor- β ligands

ChangHong Zhou and YunTao Zhang
China West Normal University, China

A10

Cross-discipline Techniques (I)

Tatsushi Tokuyasu, Oita National College of Technology, Japan

A10-01, ICICIC-2009-508

Constructing Self-Access English Learning Centre to Develop Students' Study Autonomy With Digitalized Information Technology In Universities

Aiping Zheng and Baoping Wang

Northwest A & F University, China

A10-02, ICICIC-2009-1136

Data association for cardinalized probability hypothesis density filter

Yang Wang, Zhongliang Jing, and Shiqiang Hu

Shanghai Jiao Tong University, China

A10-03, ICICIC-2009-1317

Establishment of A Deformable Aorta Model based on Patient's Chest CT Data

Tatsushi Tokuyasu, Takashi Shuto, Kenji Yufu, Hironori Abe, Akira Marui, Shotaro Kanao, and Masashi Komeda

Oita National College of Technology, Japan

A10-04, ICICIC-2009-1327

The Parametrization of All Disturbance Observers for Time-Delay Plants with Input Disturbance

Kou Yamada, Da Zhi Gong, Takaaki Hagiwara, Iwanori Murakami, Yoshinori Ando, Yoichi Imai, and Masahiko Kobayashi

Gunma University, Japan

A10-05, ICICIC-2009-1338

The Parametrization of All Robust Stabilizing Modified Repetitive Controllers for Time-Delay Plants with The Specified Input-Output Frequency Characteristic

Kou Yamada, Nobuaki Nakazawa, Takaaki Hagiwara, Iwanori Murakami, Yoshinori Ando, Jia Wei Liu, Shun Yamamoto, and Tatsuya Sakanushi

Gunma University, Japan

A10-06, ICICIC-2009-1391

Measure Bevel Gear and Corresponding Three Dimension Solid Model Founded

Zhi Wang, Zhaoyao Shi, and Huakun Xie

Beijing University of Technology, China

A10-07, ICICIC-2009-1396

Modeling of Rigid-Flexible Coupling System Dynamics for Railway Vehicles with Flexible Bogie Frame

Yao-Hui Lu, Jing Zeng, Ping-bo Wu, and Qing-hua Guan
Southwest Jiaotong University, China

A10-08, ICICIC-2009-1412

Accurate Dual Slope ADC Using Bootstrap Circuit

Amphawan Julsereewong, Sawai Pongswatd, Vanchai Riewruja, Hirofumi Sasaki, Kuniaki Fujimoto, and Yan Shi
King Mongkut's Institute of Technology Ladkrabang, Thailand

A10-09, ICICIC-2009-1418

Integrating m-Machine Scheduling into MRP

Ruedee Masuchun, Wiboon Masuchun, and Teerawat Thepmanee
King Mongkut's Institute of Technology Ladkrabang, Thailand

B01

Cross-discipline Techniques (II)

Kei Eguchi, Shizuoka University, Japan

B01-01, ICICIC-2009-850

Design of a Step-Down AC-DC Converter for Energy Harvesting System Using Vibration-Based Energy

Kei Eguchi, Sawai Pongswatd, Hirofumi Sasaki, Kitti Tirasesth, Tatsuya Sugimura, and Takahiro Inoue

Shizuoka University, Japan

B01-03, ICICIC-2009-1566

The causes of poor eyesight among primary school students - A longitudinal study

Shin-Feng Chen, Shuyi Wang, and Yuan-Horng Lin

National Pingtung University of Education, Taiwan

B01-04, ICICIC-2009-1609

Coordination of Production and Transportation Scheduling in Steel Making Process

Yousuke Ozoe and Masami Konishi

Okayama University, Japan

B01-05, ICICIC-2009-1702

Visualization and Analysis of Mental States Based on Photoplethysmogram

Keiichi Horio and Ying Li

Kyushu Institute of Technology, Japan

B02

Cross-discipline Techniques (III)

Wen-Chung Chang, Southern Taiwan University, Taiwan

Chin-Shiuh Shieh, National Kaohsiung University of Applied Sciences, Taiwan

B02-01, ICICIC-2009-1708

Modelling and Simulation of Shape Memory Alloys Micro-actuator

Hong Liang, Chunnian Zeng, and Christophe Giraud-Audine

Wuhan University of Technology, China

B02-02, ICICIC-2009-1730

A Frequency-Tracking FPGA Chip for High-Power Ultrasound Resonator

Kai-Hsing Ma, Wen-Chung Chang, and Yung-Chun Lee

Southern Taiwan University, Taiwan

B02-03, ICICIC-2009-1762

Multiple Stress Effect Analysis on Pneumatic Cylinders Accelerated Life Testing

Juan Chen, Deyi Wang, Qiang Wu, and Zhanlin Wang

Beihang University, China

B02-04, ICICIC-2009-1781

Fault Diagnosis of Power Transformers Using Rough Set Theory

Yann-Chang Huang, Huo-Ching Sun, Kun-Yuan Huang, and Yi-Shi Liao

Cheng Shiu University, Taiwan

B02-05, ICICIC-2009-1793

Modeling and Quantification of Superficial Features Extracted from Source Codes: In Consideration of Fluctuation of Description among Learning Data

Asako Ohno and Hajime Murao

Kobe University, Japan

B03

Cross-discipline Techniques (IV)

Kouji Nakagawa, Okayama University, Japan

Bing-Hong Liu, National Kaohsiung University of Applied Sciences, Taiwan

B03-01, ICICIC-2009-1347

Fast Coding Mode Selection for Rate-Distortion Optimization in H.264/AVC

Shih-Ren Wu, Szu-Hong Wang, and Shih-Chang Hsia

National Kaohsiung First University of Science and Technology, Taiwan

B03-02, ICICIC-2009-1441

Phase Properties of Complex Wavelet coefficients

Guo-Rui Zhou, Wen-Jiang Wang, and Shi-Xin Sun

University of Electronic Science and Technology of China, China

B03-03, ICICIC-2009-1499

Design Support of Transportation Routing by Agent Method

Kouji Nakagawa, Masami Konishi, and Jun Imai

Okayama University, Japan

B03-04, ICICIC-2009-1720

Simple CCO Using CCIs and S-R Latch and Its Application

Manop Chumkasean, Amphawan Julsereewong, Sawai Pongswatd, Prasit Julsereewong, and Hirofumi Sasaki

King Mongkut's Institute of Technology Ladkrabang, Thailand

B03-05, ICICIC-2009-1787

Sensor Motion Tracking by IMM-Based Extended Kalman Filters

Chin-Der Wann and Jian-Hau Gao

National Sun Yat-Sen University, Taiwan

B04***Cross-discipline Techniques (V)***

Eun-Jun Yoon, Kyungpook National University, Korea

Kee-Young Yoo, Kyungpook National University, Korea

Hsin-Wen Ting, National Kaohsiung University of Applied Sciences, Taiwan

B04-01, ICICIC-2009-1830

Composite Adaptive Position Control and Rotor Time Constant Estimation for Induction Motors Based on Passivity Theorem

Jenn-Yih Chen and Bean-Yin Lee

National Formosa University, Taiwan

B04-02, ICICIC-2009-1851

3PSA: 3-Party Smart card-based Authentication Scheme

Eun-Jun Yoon and Kee-Young Yoo

Kyungpook National University, Korea

B04-03, ICICIC-2009-1867

Generic regularization of boosting-based algorithms for the discovery of regime-independent portfolio strategies from high-noise time series

Olga Barinova and Valeriy V. Gavrishchaka

Moscow State University, Moscow

B04-04, ICICIC-2009-1954

Value Based Fuzzy Requirement Prioritization and its Evaluation Framework

M. Ramzan, M. Arfan Jaffar, M. Amjad Iqbal, Sajid Anwar, and Arshad A. Shahid

National University of Computer & Emerging Sciences, Pakistan

B04-05, ICICIC-2009-1983

A Dividing Ratio Changeable Digital PLL Using VCO as Base Clock Source

Mitsutoshi Yahara, Kuniaki Fujimoto, Takanori Hirose, and Hirofumi Sasaki

Tokai University School of Industrial Engineering, Japan

B05

Cross-discipline Techniques (VI)

Rawshan Basha, University of Glamorgan, UK

Jamal Ameen, University of Glamorgan, UK

B05-01, ICICIC-2009-1991

Mining Multiple Periodic Time Series for Detecting Unusual Sub-Sequences

Jamal Ameen and Rawshan Basha

University of Glamorgan, UK

B05-02, ICICIC-2009-1725

Decision Feedback Equalizers Using Self-Constructing Fuzzy Neural Networks

Yao-Jen Chang and Chia-Lu Ho

National Central University, Taiwan

B05-03, ICICIC-2009-1742

The Comparison between Multivariate Fuzzy Time Series and Traditional Time Series Modeling to Forecasting China Exports

Chi-Chen Wang, Yi-Hsien Tu, and Hsien-Lun Wong

National Defense University, Taiwan

B05-04, ICICIC-2009-1839

An Efficient FUSP-Tree Update Algorithm for Deleted Customer Sequences

Chun-Wei Lin, Tzung-Pei Hong, Wen-Hsiang Lu

National Cheng Kung University, Taiwan

B05-05, ICICIC-2009-2006

Surface topographic analysis in northern part of HuaTung Valley, Taiwan

Atsushi Iwashita, Seijin Tanaka, Hisatoshi Baba, Masanao Hara, Yu-Feng Lin, Marina Kudo,

Tadakuni Miyazaki and Toshikazu Morohoshi

Tokai University, Japan

B06

Novel Approaches to Pervasive Applications

Bao Rong Chang, National University of Kaohsiung, Taiwan

Din Jong, Chung Hwa University of Medical Technology, Taiwan

B06-01, ICICIC-2009-IS06-01

Embedded System for Inter-Vehicle Heterogeneous-Wireless-based Real-Time Multimedia Streaming and Video/Voice over IP

Bao Rong Chang, Chung-Ping Young, Hsiu Fen Tsai, and Ren-Yang Fang

National University of Kaohsiung, Taiwan

B06-02, ICICIC-2009-IS06-02

Applying Fuzzy Approach on Choosing Between Growth and Return

Tien-Tsai Huang and Jen-Lung Liu

Lunghwa University of Science and Technology, Taiwan

B06-03, ICICIC-2009-604

Automatic Detection and Tracking of Moving Object Employing a Particle Filter

Budi Sugandi, Hyoungseop Kim, Joo Kooi Tan, and Seiji Ishikawa

Kyushu Institute of Technology, Japan

B06-04, ICICIC-2009-1245

A Multilevel Thresholding Method Based on Cross Entropy and Genetic Algorithms

Shu-Chien Huang

National Pingtung University of Education, Taiwan

B06-05, ICICIC-2009-1281

An Automatic Generation Method of Executable Test Case Using Model-Driven Architecture

Fuqing Wang, Shuai Wang, and Yindong Ji

Tsinghua University, China

B06-06, ICICIC-2009-1619

Adaptive Delay Splitting for Efficient RFID Tag Identification

N.W. Lo, Enrico Winata, and Kuo-Hui Yeh

National Taiwan University of Science and Technology, Taiwan

B06-07, ICICIC-2009-1651

An Efficient Diffie-Hellman-MAC Key Exchange Scheme

Eun-Jun Yoon and Kee-Young Yoo

Kyungpook National University, Korea

B06-08, ICICIC-2009-429

A Fast Image Inpainting Algorithm Based on Structure

Ben Guo, Chuang-bai Xiao, Qiao-chu Sun, Lu Liu, and Feng Su

Beijing University of Technology, China

B06-09, ICICIC-2009-1151

The Acceptance and Use of the Learning Management System

Din Jong

Chung Hwa University of Medical Technology, Taiwan

B07***Advanced Image Recognition and Retrieval***

Takashi Toriu, Osaka City University, Japan

Hiromitsu Hama, Osaka City University, Japan

B07-01, ICICIC-2009-IS14-01***Evaluation of Multiwavelength Band-Pass Filter Endoscope Using Compound Eye Optical System***

Kento Tabata, Hideya Takahashi, and Kenji Yamada

Osaka City University, Japan

B07-02, ICICIC-2009-IS14-02***Fourier Transform-based Three-dimensional Profile Acquisition Method Implemented by Graphics Processing Unit***

Nobukazu Yoshikawa and Syogo Yamazaki

Saitama University, Japan

B07-03, ICICIC-2009-IS14-03***Reliability Based Web Information Ranking System***

Pyke Tin, Thi Thi Zin, Takashi Toriu, and Hiromitsu Hama

Osaka City University, Japan

B07-04, ICICIC-2009-IS14-04***An Optimal Choice of Morphological Operating Center for Object Image Retrieval***

Hiromitsu Hama, Thi Thi Zin, and Pyke Tin

Osaka City University, Japan

B07-05, ICICIC-2009-IS14-05***Bundling Multislit-HOG Features of Near Infrared Images for Pedestrian Detection***

Thi Thi Zin, Pyke Tin, and Hiromitsu Hama

Osaka City University, Japan

B07-06, ICICIC-2009-IS14-06***Accurate Estimation of Wheel Center Points for Estimate of Vehicle Baseline Length in a Circular Fisheye Image***

Kenichi Hirose, Takashi Toriu, and Hiromitsu Hama

College of Industrial Technology, Japan

B07-07, ICICIC-2009-IS14-07***Monte Carlo Localization Robust against Successive Outliers***

Shigeyoshi Nakajima, Masataka Ikejiri, and Takashi Toriu

Osaka City University, Japan

B07-08, ICICIC-2009-450

Wavelet-based Face Recognition Method by Using Support Vector Machine

Yi Liu, Tao Sun, Huang Yang, Yongmi Yang, and Xinhong Zhou

Shandong University, China

B07-09, ICICIC-2009-1614

Real Time Tracking Multiple YUV 24-Bit Color Objects With 8-Bit MCU-Based Embedded Vision System

Hoang-Nam Nguyen and An-Chen Lee

National Chiao Tung University, Taiwan

B08***Identification for Optimization in Nonlinear Systems***

Manuel Jimenez-Lizarraga, Autonomous University of Nuevo Leon, Mexico

B08-01, ICICIC-2009-IS32-01***Dynamic Controller Approach to Algebraic Constraints in Linear Systems***

M. Jimenez-Lizarraga and J. B. Cruz, Jr.

Autonomous University of Nuevo Leon, Mexico

B08-02, ICICIC-2009-IS32-02***On the Time Inconsistency Problem in Uncertain Stackelberg Differential Games***

M. Jimenez-Lizarraga and J. B. Cruz, Jr.

Autonomous University of Nuevo Leon, Mexico

B08-03, ICICIC-2009-IS32-05***A Human Migration Model with Consistent Conjectures***

V. Kalashnikov, N. Kalashnykova, and L. Chavez

Autonomous University of Nuevo Leon, Mexico

B08-04, ICICIC-2009-IS32-08***Central Suboptimal H_∞ Controller Design for Linear Systems with Unknown Parameters***

Michael Basin, Pedro Soto, and Dario Calderon-Alvarez

Autonomous University of Nuevo Leon, Mexico

B08-05, ICICIC-2009-IS32-09***Optimal Control for Stochastic Polynomial Systems with State-Dependent Polynomial Input***

Michael Basin, Alexander Loukianov and Miguel Hernandez-Gonzalez

Autonomous University of Nuevo Leon, Mexico

B08-06, ICICIC-2009-337***New Elite Multi-parent Crossover Evolutionary Optimization Algorithm Based on Parameters******Tuning Controlled by Fractional-order PID and Its Application***

Mingshan CAI, Xianggao PAN, and Yunfeng DU

Hunan University of Arts and Sciences, China

B08-07, ICICIC-2009-734***Model identification and Control method Study of Electro-hydraulic Pressure Servo System***

Junpeng Shao, Guihua Han, Yuhong Dong, and Zhongwen Wang

Harbin University of Science and Technology, China

B08-08, ICICIC-2009-1076

Feature Extraction of Edible Oil FTIR Based on Fractal Geometry

Qiaochu Sun, Chuang-bai Xiao, Ben Guo and Qun-fei Mu

Beijing University of Technology, China

B08-09, ICICIC-2009-1480

Identification Method of Main Structural Vibration Modal based on Information Filtering

Baifeng GAO, Huijian LI, and Xin JIANG

Yahshan University, China

B09

Computer Technologies for Intelligent Systems

Zhong Zhang, Toyohashi University of Technology, Japan

Katsuhiro Inoue, Kyushu Institute Technology, Japan

Shunsuke Ishimitsu, Hiroshima City University, Japan

B09-01, ICICIC-2009-IS03-01

Body-conducted Speech Recognition in Speech Support System for Disorders

Shunsuke Ishimitsu, Kouhei Oda, and Masashi Nakayama

Hiroshima City University, Japan

B09-02, ICICIC-2009-IS03-02

Design Method of Morphological Structural Function for Pattern Recognition of EEG Signals during Motor Imagery and Cognition

Tomonari Yamaguchi, Mitsuhiko Fujio, Katsuhiro Inoue and Gert Pfurtscheller

Kyushu Institute Technology, Japan

B09-03, ICICIC-2009-IS03-03

A Study on Japanese Historical Character Recognition using Modular Neural Networks

Tadashi Horiuchi and Satoru Kato

Matsue College of Technology, Japan

B09-04, ICICIC-2009-IS03-04

A New Design Method of Multi-Valued Cellular Neural Networks for Associative Memory

Zhong Zhang, Ryuichi Taniai, Takuma Akiduki, Takashi Imamura, and Tetsuo Miyake

Toyohashi University of Technology, Japan

B09-05, ICICIC-2009-IS03-05

Neural Network Model of the Impression Evaluation for Button Sounds

Gen Onishi, Shunsuke Ishimitsu, Koji Sakamoto, Toshikazu Yoshimi, Yuichi Fujimoto, and Kenichi Kawasaki

Hiroshima International University, Japan

B09-06, ICICIC-2009-IS03-06

Detection of Knocking by Wavelet Transform using Ion Current

Zhong Zhang, Noriho Saiki, Hiroshi Toda, Takashi Imamura, and Tetsuo Miyake

Toyohashi University of Technology, Japan

B09-07, ICICIC-2009-IS03-07

Analysis the Relation between Material Structure and Auditory Impression

Koji Sakamoto, Shunsuke Ishimitsu, Takeshi Oda
Hiroshima City University, Japan

B09-08, ICICIC-2009-266

Source Sentence Reordering for Phrase-based Machine Translation Systems

Chung-chi Huang, Wei-teh Chen, and Jason S. Chang

National Tsing Hua University, Taiwan

B09-09, ICICIC-2009-475

Boundary Finding Combining Wavelet and Markov Random Field Segmentation based on Maximum Entropy Theory

Pei-Ju Chao, Tsair-Fwu Lee, Te-Jen Su, Chieh Lee, Ming-Yuan Cho, and Chang-Yu Wang

National Kaohsiung University of Applied Sciences, Taiwan

B10

Innovative Intelligent System and Control (I)

Akira Yanou, Okayama University, Japan

Takao Sato, University of Hyogo, Japan

B10-01, ICICIC-2009-IS31-01

Fast rate Adaptive Output Feedback Control of Multirate Sampled Systems with an Adaptive Output Estimator

Ikuro Mizumoto, Nao Watanabe, and Zenta Iwai

Kumamoto University, Japan

B10-02, ICICIC-2009-IS31-02

Automatic Path Search for Roving Robot Using Reinforcement Learning

Shigeharu Miyata, Hitomi Nakamura, Akira Yanou, and Shin Takehara

Kinki University, Japan

B10-03, ICICIC-2009-IS31-03

Slope-Walking of a Biped Robot with K Nearest Neighbor Method

Junichi Nagasue, Yasuo Konishi, Nozomu Araki, Takao Sato, and Hiroyuki Ishigaki

University of Hyogo, Japan

B10-04, ICICIC-2009-IS31-04

Robust Adaptive Control against Actuator Failures

Masanori Takahashi

Tokai University, Japan

B10-05, ICICIC-2009-IS31-05

Development of High Speed Controller of Container Crane by Binary Input Using Mixed Logical Dynamical System

Yuya Tanaka, Yasuo Konishi, Nozomu Araki, Takao Sato, and Hiroyuki Ishigaki

University of Hyogo, Japan

B10-06, ICICIC-2009-439

GA approach for Designing Fuzzy Model with Wavelet Transforms

Shian-Tang Tzeng

Kao Yuan University, Taiwan

B10-07, ICICIC-2009-2014

Wavelet-Domain Distributed Video Coding Using Optimized TCQ

Yi Zheng, Anhong Wang, and Zhihong Li

Taiyuan University of Science and Technology, China

B10-08, ICICIC-2009-1583

Design of LMI-Based Fuzzy Controller for Robot Arm Using Quantum Evolutionary Algorithms

Gwo-Ruey Yu and Lun-Wei Huang

National Ilan University, Taiwan

B10-09, ICICIC-2009-1682

Fuzzy Adaptive Controller with Modulated Membership Function for a MIMO Uncertain Nonlinear System

Leehter Yao and Wei-Jun Pan

National Taipei University of Technology, Taiwan

B11

Recent Advances on Swarm Intelligence

Shin-Ying Huang, National Chengchi University, Taiwan

Hsiang-Cheh Huang, National University of Kaohsiung, Taiwan

B11-01, ICICIC-2009-IS16-01

Stochastic Dynamic Step Length Particle Swarm Optimization

Xingjuan Cai, Zhihua Cui, and Ying Tan

Taiyuan University of Science and Technology, China

B11-02, ICICIC-2009-IS16-02

A Hybrid Particle Swarm Optimization Algorithm with Diversity for Flow-shop Scheduling Problem

Shin-Ying Huang and Chuen-Lung Chen

National Chengchi University, Taiwan

B11-03, ICICIC-2009-IS16-03

New Particle Swarm Optimization Algorithm for Makespan Minimization in Permutation Flowshop Sequencing

Ting-Yu Chen and Chuen-Lung Chen

National Chengchi University, Taiwan

B11-04, ICICIC-2009-IS16-05

Optimization of Machining Allowance of Propeller based on Particle Swarm Algorithms

Jingui Lu, Dan Liu, and Fengxin Chen

Nanjing University of Technology, China

B11-05, ICICIC-2009-IS16-07

An Extended Artificial Physics Optimization Algorithm for Global Optimization Problem

Liping Xie and Jianchao Zeng

College of Electrical and Information Engineering Lanzhou, China

B11-06, ICICIC-2009-862

Solving Sudoku Puzzles using Improved Artificial Bee Colony Algorithm

Jaysonne A. Pacurib, Glaiza Mae M. Seno, and John Paul T. Yusiong

University of the Philippines Visayas Tacloban College, Philippine

B11-07, ICICIC-2009-1362

Construction of Cascaded Traffic Sign Detector Using Generative Learning

Keisuke Doman, Daisuke Deguchi, Tomokazu Takahashi, Yoshito Mekada, Ichiro Ide, and Hiroshi Murase

Nagoya University, Japan

B11-08, ICICIC-2009-1474

Gradient Enhanced Particle Swarm Optimization for Unconstrained Problems

Erwie Zahara, Yi-Tung Kao, and Chia-He Liu

St John's University, Taiwan

B11-09, ICICIC-2009-1515

An Improved Particle Swarm Optimization with Feasibility-based Rules for Mixed-variable Optimization Problems

Chao-Li Sun, Jian-chao Zeng, and Jeng-Shyang Pan

Taiyuan University of Science and Technology, China

B12

Control system and Applications

Kuo-Lan Su, National Yunlin University of Science & Technology, Taiwan

Chun-Chieh Wang, Chienkuo Technology University, Taiwan

B12-01, ICICIC-2009-IS34-01

Mobile Robot Based Online Chinese Chess Game

Kuo-Lan Su, Sheng-Ven Shiau, Jr-Hung Guo, and Chi-Wei Shiau

National Yunlin University of Science & Technology, Taiwan

B12-02, ICICIC-2009-IS34-02

Mixed-Integer Evolutionary Optimization of Artificial Neural Networks

Yung-Chin Lin, Yung-Chien Lin, Kuo-Lan Su, and Wen-Cheng Chang

WuFeng Institute of Technology, Taiwan

B12-03, ICICIC-2009-IS34-03

Laser Range Finder Applying in Motion Control System of Mobile Robots

Jr-Hung Guo, Kuo-Lan Su, Chung-Chieh Wang, and Chia-Ju Wu

National Yunlin University of Science & Technology, Taiwan

B12-04, ICICIC-2009-IS34-04

The Development of the Mobile Robot for Taking Care of Elderly People

Jyh-Hwa Tzou and Feng-Chun Chiang

WuFeng Institute of Technology, Taiwan

B12-05, ICICIC-2009-IS34-05

Implementation of a Tour Guide Robot via Shape Recognition and Path Planning

Chung-Chieh Wang, Kuo-Lan Su, and Chih-Ten Shen

Chienkuo Technology University, Taiwan

B12-06, ICICIC-2009-IS34-06

Camera Position Estimation from Image by ANFIS

Kuo-Hsien Hsia, Chao-Fan Lien, Chun-Chieh Wang, and Juhng-Perng Su

Chienkuo Technology University, Taiwan

B12-07, ICICIC-2009-IS34-07

Implement of a Multi-Integral Sliding Mode Controller for a Pneumatic Cylinder Position Servo Control System

Hong-Ming Chen, Zi-Yi Chen, and Ming-Cheng Chung

Chienkuo Technology University, Taiwan

B12-08, ICICIC-2009-713

The H_∞ Optimal Control of Linear Systems with Actuators Magnitude and Rate Saturation

Pang-Chia Chen, Shi-Jaw Chen, and Chih-Hua Hsu

Kao Yuan University, Taiwan

B12-09, ICICIC-2009-1685

Design of Adaptive Fuzzy PID Controller For Nonlinear System

Leehter Yao and Kian-Leong Lim

National Taipei University of Technology, Taiwan

B13

RFIC for Wireless Control

Chun-Lin Lu, Kun Shan University, Taiwan

Tzuen-Hsi Huang, National Cheng Kung University, Taiwan

B13-01, ICICIC-2009-IS10-01

On-Chip Trifilar-Transformer-Coupled Quadrature Signal Generation Methodology

Yan-Ru Tseng, Chih-Yu Liu, and Tzuen-Hsi Huang

National Cheng Kung University, Taiwan

B13-02, ICICIC-2009-IS10-02

Integrated Ka-band Transceiver MMIC Chips

Pramod K. Singh, Sarbani Basu, and Yeong-Her Wang

National Cheng Kung University, Taiwan

B13-03, ICICIC-2009-IS10-03

A Novel Post-linearization Technique for Fully Integrated 5.5 GHz High-linearity LNA

Chieh-Pin Chang, Ja-Hao Chen, Shih-Han Hung, Chun-Chi Su and Yeong-Her Wang

National Cheng Kung University, Taiwan

B13-04, ICICIC-2009-IS10-04

A Dual-band Current-reused LNA with the Switching of LC-resonances

Ruey-Lue Wang, Ciao-Ning Cai, Chien Hsuan Liu, Hung-Hsi Chien, Chung-Chin Chuang, Yi-Shu Lin and Yan-Kuin Su

National Kaohsiung Normal University, Taiwan

B13-05, ICICIC-2009-IS10-05

A Speed-Improved Architecture for CMOS Programmable Divider

Ching-Wen Hsu, Yu-Sheng Lin, Chun-Lin Lu, Yeong-Her Wang, and Kuo-Sheng Cheng

Kun Shan University, Taiwan

B13-06, ICICIC-2009-IS10-06

CMOS-based Active Tunable Radio Frequency Filter

Jin-Shun Li, Jheng-Da Wu, Yen-Lung Chiang, Ming-Liang Shieh, Chih-Ho Tu, Janne-Wha Wu, Ching-Wen Tang, Chih-Ho Tu and Ying-Zong Juang

National Chung Cheng University, Taiwan

B13-07, ICICIC-2009-781

Congestion Control for TCP/AQM Network using LMI Approach

Hugang Han, and Chun-Xiang Chen

Prefectural University of Hiroshima, Japan

B13-08, ICICIC-2009-1444

Design of RFID Antenna for 2.45GHz Applications

Yuh-Yih Lu, Shih-Chiang Wei, and Hsiang-Cheh Huang

Ming-Hsin University of Science and Technology, Taiwan

B13-09, ICICIC-2009-1696

Research and Application of Dynamic Shape Control Strategy for Cold Rolled Wide Strip

Chongtao Wang, Quan Yang, Zhengyi Jiang, Xiaozhong Du, and Peng Peng

University of Science and Tech, China

B14

Intelligent Computing, 3D Model Retrieval, and Data Hiding

Feng-Tse Lin, Chinese Culture University, Taiwan

Tzong-Ru Tsai, Tamkang University, Taiwan

B14-01, ICICIC-2009-IS13-01

Shortest Path Problem Based on Interval-valued Fuzzy Numbers and Signed Distance Defuzzification Method

Feng-Tse Lin

Chinese Culture University, Taiwan

B14-02, ICICIC-2009-IS13-02

Inference on the MTTF of LEDs from Accelerated Degradation Data with Bootstrap Method

Tzong-Ru Tsai, Chin-Wei Lin, Chiu-Ling Chen, and Sheng-Pan Huang

Tamkang University, Taiwan

B14-03, ICICIC-2009-IS13-03

Path Converged Design Application to Alternative Strategy of Migration

Juying Zeng, Bing Xu, and Yafen Wang

Zhejiang Gongshang University, China

B14-04, ICICIC-2009-IS13-04

Analysis of Longitudinal Ordinal Data with Drop-out

Yi-Ju Chen, Yi-Hua Huang, and Kuo-Chin Lin

Tamkang University, Taiwan

B14-05, ICICIC-2009-IS26-03

Video Abstraction via Attention Model and On-line Clustering

Yue-Nan Li and Zhe-Ming Lu

Harbin Institute of Technology Shenzhen Graduate School, China

B14-06, ICICIC-2009-843

Determining 3-D Translational Motion by the Parallel Binocular

Gwo-Long Lin

Kao Fong College, Taiwan

B14-07, ICICIC-2009-1592

A Reversible JPEG-to-JPEG Data Hiding Technique

Ziqiang Cheng and Kee-Young Yoo

Kyungpook National University, Korea

B14-08, ICICIC-2009-1987

High Capacity Reversible Data Hiding with Adjacent-Pixel-Based Difference Expansion

Hsiang-Cheh Huang, I-Hung Wang, and Yuh-Yih Lu

National University of Kaohsiung, Taiwan

B14-09, ICICIC-2009-1408

A Robust Watermarking Technique Based on Image Dual Interpolations

Yu-Chi Liu, Wen-Lung Yang, Chwei-Shyong Tsai, and Shyr-Shen Yu

National Chung Hsing University, Taiwan

B14-10, ICICIC-2009-1595

A Novel Multiple Digital Watermarking Scheme for the Copyright Protection of Image

Gil-Je Lee, Eun-Jun Yoon, and Kee-Young Yoo

Kyungpook National University, Korea

B15

Innovative Intelligent System and Control (II)

Akira Yanou, Okayama University, Japan

Takao Sato, University of Hyogo, Japan

B15-01, ICICIC-2009-IS31-06

Nonlinear Control of Two-link Planar Manipulator Using Unstable Property of Aerodynamics

Tomohiro Henmi, Shinsaku Izumi, Mingcong Deng, and Akira Inoue

Takamatsu National College of Technology, Japan

B15-02, ICICIC-2009-IS31-07

A Design method of Extended Generalized Minimum Variance Control Based on State Space Approach by Using a Genetic Algorithm

Akira Yanou, Mingcong Deng, and Akira Inoue

Okayama University, Japan

B15-03, ICICIC-2009-IS31-08

Vehicle's Orientation Measurement Method by Single-Camera Image Using Known Shape Planar Object

Nozomu Araki, Takao Sato, Yasuo Konishi, and Hiroyuki Ishigaki

University of Hyogo, Japan

B15-04, ICICIC-2009-IS31-09

Grasping and Transportation Control of a Chopsticks-type Robot

Yojiro Yamasaki, Toru Tsumugiwa, and Ryuichi Yokogawa

Department of Mechanical Engineering, Japan

B15-05, ICICIC-2009-IS31-10

Improvement in Gain Margin for a Dual-rate System

Takao Sato, Junichi Asakura, Nozomu Araki, and Yasuo Konishi

University of Hyogo, Japan

B15-06, ICICIC-2009-136

Research on Synchronous Control in Dyeing Systems Using Fuzzy-Extension Strategies

Hui Zhu, Yannian Rui, and Yongshan Wang

Soochow University, China

B15-07, ICICIC-2009-999

Learning System Using Hierarchical Fuzzy ART for Two-Player Games

Jun-ich kushida, Iori Nakaoka, Kazuhisa Oba, and Katsuari Kamei

Ritsumeikan University, Taiwan

B15-08, ICICIC-2009-1461

Fuzzy Retrieval System Employing Image Processing for Car Shape

Takashi Samatsu, Kie Tachikawa, and Yan Shi

Tokai University, Japan

B15-09, ICICIC-2009-497

A Novel Optimal Bus Design Method for Modular Spacecraft

Dan Cui, Jun-Bao Li

Harbin Institute of Technology Shenzhen Graduate School, China

C01

Intellectual Systems and Interfaces (I)

Xiangshi Ren, Kochi University of Technology, Japan

Jien Kato, Nagoya University, Japan

C01-01, ICICIC-2009-IS36-01

Digest Generation of Kindergarten Surveillance Video with Location Information and Visual Features

Yu Wang, Jien Kato, Wei Zhou, and Shigeki Yokoi

Nagoya University, Japan

C01-02, ICICIC-2009-IS36-02

An Archive System of Japanese Traditional Craftworks using 3DBlog

Yoshio NISHIO, Shigeki YOKOI, and Takami YASUDA

Culture Kinjo Gakuin University, Japan

C01-03, ICICIC-2009-IS36-03

Astronomy News Element Analysis and Visualization System for the Web

Yulin Chen, Katsuhiro Mouri, Mayu Kondo, and Takami Yasuda

Nagoya University, Japan

C01-04, ICICIC-2009-IS36-04

Research on Probability of Emergency

Liyan Dong, Hailong Zhang, Bocheng Zhang, and Zhen Li

Jilin University, China

C01-05, ICICIC-2009-IS36-05

A Real-time Intrusion Detection Security Visualization Framework based on Planner-scheduler

Nurbol Luktarhan, Huan Xu, Hao Yang, Fan-er Meng, and Liang Hu

Jilin University, China

C01-06, ICICIC-2009-635

*Image Reconstruction Algorithm Based on Inverse Problem for Multi-excitation-modes
Electromagnetic Tomography System*

Min He and Xiaoyan Xu

Shanghai Maritime University, China

C02

Motor Electronic and Control Applications (I)

Cheng-Fu Yang, National University of Kaohsiung, Taiwan

Cheng-Yi Chen, Cheng Shiu University, Taiwan

C02-01, ICICIC-2009-IS28-01

Analog PWM and Digital PWM Controller IC for DC/DC Converters

Li-Jen Liu, Yeong-Chau Kuo, and Wen-Chieh Cheng

National Kaohsiung First University of Science and Technology, Taiwan

C02-02, ICICIC-2009-IS28-02

Synchronized Motion Control for Power-Wheelchairs

Ming-Ching Tsai, Kai-Sheng Wu, and Po-Wen Hsueh

National Kaohsiung University of Applied Sciences, Taiwan

C02-03, ICICIC-2009-IS28-03

Effect of Inverter Parameters on Iron Losses in a PWM Inverter-Fed Induction Motor

Wen-Chang Tsai

Kao Yuan University, Taiwan

C02-04, ICICIC-2009-IS28-04

Synchronization Controller Synthesis of Multi-Axis Motion System

Marvin H.-M. Cheng, Aniruddha Mitra, and Cheng-Yi Chen

Georgia Southern University, USA

C02-05, ICICIC-2009-IS28-05

DSP based Control of Parallel DC-DC Buck Converters by Optimal Multi-Input Multi-Output Discrete Integral Variable Structure Control Scheme

Li-Peng Yin, Chi-Cheng Cheng, Chin-Wen Chuang, and Cheng-Yi Chen

National Sun Yat-sen University, Taiwan

C02-06, ICICIC-2009-816

Hourly Forecasting of Long Term Electric Energy Demand Using a Novel Modeling Approach

Ümmühan Basaran Filik, Ömer Nezih Gerek, and Mehmet Kurban

Anadolu University, Turkey

C03

Innovative Applications of Data Mining and Knowledge Management

Hsin-Chang Yang, National University of Kaohsiung, Taiwan

Chung-Hong Lee, National Kaohsiung University of Applied Sciences, Taiwan

C03-01, ICICIC-2009-IS33-01

A Location Based Text Mining Approach for Geospatial Data Mining

Chung-Hong Lee, Hsin-Chang Yang, and Shih-Hao Wang

National Kaohsiung University of Applied Sciences, Taiwan

C03-02, ICICIC-2009-IS33-02

Detecting Step-Stone with Network Traffic Mining Approach

Han-Wei Hsiao and Wei-Cheng Fan

National University of Kaohsiung, Taiwan

C03-03, ICICIC-2009-IS33-03

Combining Social Network Analysis and Web Mining Techniques to Discover Interest Groups in the Blogspace

Hui-Ju Wu, I-Hsien Ting, and Kai-Yu Wang

National University of Kaohsiung, Taiwan

C03-04, ICICIC-2009-IS33-04

Botnet: Survey and Case Study

Chao Li, Wei Jiang, Xin Zou

Coordination Center of China, China

C03-05, ICICIC-2009-IS33-05

Automatic Image Annotation Using GHSOM

Hsin-Chang Yang, Chung-Hong Lee, and Chih-Hsiang Chuang

National University of Kaohsiung, Taiwan

C03-06, ICICIC-2009-1289

Automatic Detection of Lung Nodules in Temporal Subtraction Image by Use of Shape and Density Features

Noriaki Miyake, Hyungseop Kim, Yoshinori Itai, Joo Kooi Tan, Seiji Ishikawa, and Shigehiko Katsuragawa

Kyushu Institute of Technology, Japan

C04

Intelligent Systems and Applications

Rey-Chue Hwang, I-Shou University, Taiwan

C04-01, ICICIC-2009-IS24-01

A Fuzzy-Based Approach for Smart Building Evacuation Modeling

Chih-Yung Chen

Shu-Te University, Taiwan

C04-02, ICICIC-2009-IS24-02

Quality Identification of the Riveting Process by Using Neural Network

Hsing-Ling Wang, Pin-Hsueh Weng, Chi-Huang Chiang, and Rey-Chue Hwang

I-Shou University, Taiwan

C04-03, ICICIC-2009-IS24-03

An AI Estimator of Electric Contract Capacity for CATV System Based on QNN Model

Jen-Pin Yang, Yu-Ju Chen, Chuo-Yean Chang, Huang-Chu Huang, Sung-Ning Tsai, and Rey-Chue Hwang

I-Shou University, Taiwan

C04-04, ICICIC-2009-IS24-04

Short Term Power Load Forecasting by Using Neural Models

Huang-Chi Chen, Yi-Ching Lin, Yu-Ju Chen, Chuo-Yean Chang, Huang-Chu Huang, and Rey-Chue Hwang

I-Shou University, Taiwan

C04-05, ICICIC-2009-IS24-05

The Neural Network Estimator for Mechanical Property of Rolled Steel Bar

Chih-Chien Huang, Ying-Tsung Chen, Yu-Ju Chen, Chuo-Yean Chang, Huang-Chu Huang, and Rey-Chue Hwang

I-Shou University, Taiwan

C04-06, ICICIC-2009-IS24-06

A Polyaniline/ WO_3 Nanocomposite Layer based Surface Acoustic Wave NO_2 Gas Sensors

Chi-Yen Shen, Yung-Hsi Cheng, Shih-Han Wang, Shih-Hao Kuo, and Cheng-Liang Hsu

I-Shou University, Taiwan

C05

Cross-discipline Techniques (VII)

Mong-Fong Horng, National Kaohsiung University of Applied Sciences, Taiwan

Minghua Pu, Southwest Jiaotong University, China

Hunton Lin, Cheng Shiu University, Taiwan

C05-01, ICICIC-2009-IS35-03

All Chemical Solution Deposition Route toward REBCO Coated Conductors

Yong Zhao

Southwest Jiaotong University, China

C05-02, ICICIC-2009-IS35-06

Nanostructural Control and Flux Pinning in M_gB_2 Superconductor

C. H. Cheng

Jilin University, China

C05-03, ICICIC-2009-567

Flow Based Botnet Detection

Hsiao-Chung Lin, Chia-Mei Chen, Christos Faloutsos, and Tsuhan Chen

National Sun Yet-sen University, Taiwan

C05-04, ICICIC-2009-812

A Study of the Different Uses of Colour Channels for Traffic Sign Recognition on Hierarchical Temporal Memory

Wim J. C. Melis and Michitaka Kameyama

Tohoku University, Japan

C05-05, ICICIC-2009-1638

A DNA Encoding Method to Determine and Sequence All Cliques in a Weighted Graph

Ikno Kim, Junzo Watada, Jui-Yu Wu

Waseda University, Japan

C05-06, ICICIC-2009-2017

Application of Neural Network Model to Evaluate Hydro-Geological Parameters

Chih-Yung Horng and Cheng-Haw Lee

C06

Intellectual Systems and Interfaces (II)

Xiangshi Ren, Kochi University of Technology, Japan

Jien Kato, Nagoya University, Japan

C06-01, ICICIC-2009-IS36-06

Ontology Matching Approach Based on Multi-Strategies Combined

Feng Yang, Yanhua Gao, and Lei Liu

Jilin University, China

C06-02, ICICIC-2009-IS36-07

An Iris Recognition based on GHM Multi-wavelet Transformation

Yuanning Liu, Fei He, Yonghua Zhao, and Ning Wang

Jilin University, China

C06-03, ICICIC-2009-IS36-08

Heuristics Propositional Extension Rule Method

Xia Wu, Hailong Yu, and Ying Li

Jilin University, China

C06-04, ICICIC-2009-IS36-10

An Evaluation of Thumb Interface for Menu Selection on Mobile Equipment

Minghui Sun and Xiangshi Ren

Kochi University of Technology, Japan

C06-05, ICICIC-2009-IS36-11

Data Preprocessing in SVM-based Keywords Extraction from Scientific Documents

Chunguo Wu, Maurizio Marchese, Yufei Wang, Mikalai Krapivin, Chaoyong Wang, Xitong Li, and Yanchun Liang

Jilin University, China

C06-06, ICICIC-2009-IS23-01

Real-time and Reliable Face Detection in Intersection Monitoring by Integration of Skin Color and Facial Features

Wu-Chih Hu, Ching-Yu Yang, Deng-Yuan Huang, and Chun-Hsiang Huang

National Penghu University, Taiwan

C06-07, ICICIC-2009-IS23-02

Personalized Facial Expression Recognition in Color Image

Chuan-Yu Chang, Yan-Chiang Huang, and Chi-Lu Yang

National Yunlin University of Science & Technology, Taiwan

C06-08, ICICIC-2009-IS23-03

Facial Expression Recognition Using a Novel Regularized Discriminant Analysis with AdaBoost

Chien-Cheng Lee, Shin-Sheng Huang, and Cheng-Yuan Shih

Yuan Ze University, Taiwan

C06-09, ICICIC-2009-IS23-05

More Efficient Steganographic Embedding and Capacity-Improvement by Generalized Exploiting Modification Direction Method

Wen-Chung Kuo, Jiin-Chiou Cheng, and Chun-Cheng Wang

National Formosa University, Taiwan

C07

Motor Electronic and Control Applications (II)

Cheng-Fu Yang, National University of Kaohsiung, Taiwan

Cheng-Yi Chen, Cheng Shiu University, Taiwan

C07-01, ICICIC-2009-IS28-06

Modified Sliding Mode Speed Control of Brushless DC Motor Using Quantized Current Regulator

Cheng-Yi Chen, Marvin H.-M. Cheng, and Cheng-Fu Yang

Cheng Shiu University, Taiwan

C07-02, ICICIC-2009-IS28-07

Wavelets Hybrid Neural Network for Harmonic Sources Recognition with the V-I Characteristics

Cong-Hui Huang, Chia-Hung Lin, and Ting-Chia Ou

Far East University, Taiwan

C07-03, ICICIC-2009-IS28-08

Economic Feasibility of Variable Frequency Driving Pump by Fuzzy Financial Model

Jen-Nan Sheen

Cheng Shiu University, Taiwan

C07-04, ICICIC-2009-IS28-09

Cascade PI Controller Designs for Speed Control of Permanent Magnet Synchronous Motor Drive Using Direct Torque Approach

Cheng-Yi Chen, C.-H. Hsu, Shiang-Hwua Yu, Cheng-Fu Yang, and Hong-Hsin Huang

Cheng Shiu University, Taiwan

C07-05, ICICIC-2009-IS28-10

Restricting Turbine Blade Vibrations by a Series Compensation Capacitor

Jong-Ian Tsai and Ta-Peng Tsao

Kao Yuan University, Taiwan

C07-06, ICICIC-2009-1799

Point-by-point analysis of Digit Speckle Image in Frequency Domain Based on Matlab

Changjun He, Huijian Li, Wei Yu, Xi Liang, and Haiyan Peng

Yanshan University, China

C07-07, ICICIC-2009-1822

Edge Detection of Smooth Metallic Surface Using Special Random Sampling Method

Shiqing Ren, Zhong Zhang, Miyake Tetsuo, Hisanaga Fujiwara, and Takashi Imamura

Shenyang Ligong University, China

C07-08, ICICIC-2009-1945

Multi domain Features based Classification of Mammogram Images using SVM and MLP

M. Arfan Jaffar, Bilal Ahmed, Ayyaz Hussain, Nawazish Naveed, Fauzia Jabeen and Anwar M. Mirza

National University of Computer & Emerging Sciences, Pakistan

C07-09, ICICIC-2009-1979

Adaptive Image Watermarking Optimized for Pre-Specified Fidelity

Yueh-Hong Chen and Hsiang-Cheh Huang

National University of Kaohsiung, Taiwan

C08

Artificial Intelligence Applications for E-services

Deng-Yiv Chiu, Chung Hua University, Taiwan

C08-01, ICICIC-2009-WS01-01

The Learning Analysis System Integrate with S-P Chart and Rule-Space Model

Wen-Chih Chang, Tsung-Kai Hsu, Tsung-Pu Lee, and Yen-Ching Huang

Chung-Hua University, Taiwan

C08-02, ICICIC-2009-WS01-02

Applying Reinforcement Learning for Game AI in a Tank-Battle Game

Yung-Ping Fang and I-Hsien Ting

National University of Kaohsiung, Taiwan

C08-03, ICICIC-2009-WS01-04

Attacking and Defending Perspective for e-Crime Discussion: A System Dynamics Simulation Approach

Deng-Yiv Chiu, Tien-Tsun Chung, and Chen-Shu Wang

Chung-Hua University, Taiwan

C08-04, ICICIC-2009-WS01-06

An Item Selection Strategy Based on Association Rules and Genetic Algorithms

Ming-Hsiung Ying, Shao-Hsuan Huang, and Luen-Ruei Wu

Chung-Hua University, Taiwan

C08-05, ICICIC-2009-WS01-07

Integrating IRT to Clustering Student's Ability with K-Means

Wen-Chih Chang, Sheng-Lin Chen, Mao-Fan Li, and Jui-Yu Chiu

Chung Hua University, Taiwan

C08-06, ICICIC-2009-WS01-08

Cost Estimation of Software Project Development by Using Case-Based Reasoning Technology with Clustering Index Mechanism

Zheng-Wei Huang

Yuanta Security Co. LTD., Taiwan

C08-07, ICICIC-2009-WS01-09

Exploring Seasonality Effect of Multinational Stock Dynamism with Support Vector Regression and Artificial Intelligence Approach

Deng-Yiv Chiu and Cheng-Yi Shiu

Chung-Hua University, Taiwan

C08-08, ICICIC-2009-922

An Approach of Selecting Right Neighbors for Collaborative Filtering

Liang Zhang, Bo Xiao, and Jun Guo

C08-09, ICICIC-2009-2011

Anomaly Program Behavior Detection Based on Neural Network

Dingyi Fang, Xiaojiang Chen, Zhangyong Tang, Feng Chen

C09

Mathematical Modeling and Control Systems

Kai-chao Yao, National Changhua University of Education, Taiwan

Der-fa Chen, National Changhua University of Education, Taiwan

Jui-Fang Chang, National Kaohsiung University of Applied Sciences, Taiwan

C09-01, ICICIC-2009-IS17-01

Multi-Function Electro-Cardiogram Measurement System Design and Implementation

Kai-chao Yao, Der-fa Chen, and Fu-chiuan Tsai

National Chang-hua University of Education, Taiwan

C09-02, ICICIC-2009-IS17-02

Sequential Three-Phase Power Flow Calculation for Radial Distribution Systems via Three-Phase Z-Bus Distribution Factor

Wei-Tzer Huang and Shiuan-Tai Chen

Chienkuo Technology University, Taiwan

C09-03, ICICIC-2009-IS17-04

A GA-Based Multiresolution Feature Selection for Ultrasonic Liver Tissue Characterization

Cheng-Chi Wu, Wen-Li Lee, Yung-Chang Chen, and Kai-Sheng Hsieh

Ming Chuan University, Taiwan

C09-04, ICICIC-2009-IS20-01

Parameter Selection of Support Vector Regression Based on a Novel Chaotic Immune Algorithm

Juexin Wang, Yan Wang, Chen Zhang, Wei Du, Chunguang Zhou, and Yanchun Liang

Jilin University, China

C09-05, ICICIC-2009-IS20-02

Intelligent Components in Knowware System

Sio-Long Lo and Liya Ding

Macau University of Science and Technology, Macau

C09-06, ICICIC-2009-IS20-05

Forecasting Exchange Rates using Integration of Particle Swarm Optimization and Neural Networks

Jui-Fang Chang, Cheung-Wen Chang, and Wen-Yan Tzeng

National Kaohsiung University of Applied Sciences, Taiwan

C09-07, ICICIC-2009-229

FLOATING POINT IMPLEMENTATION OF FFT USING A NOVEL ESL DESIGN FLOW

Yibin Li and Vassilios Chouliaras
Loughborough University, UK

C09-08, ICICIC-2009-210

*Effects of Temperature and Pressure Information in a Hybrid (Fourier Series / Neural Networks)
Solar Radiation Model*

Mehmet Fidan, Fatih Onur Hoccoğlu, and Ömer Nezih Gerek
Anadolu University, Turkey

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Natural Language Processing and Ontology Engineering

Zhifang Sui, Peking University, China

Yao Liu, Institute of Scientific and Technical Information of China, China

C10-01, ICICIC-2009-IS21-01

Computing Word Similarity on Large-scale Corpus

Tao Xu, Weiguang Qu, Xuri Tang, Dexin Ding, Bing Li, and Hui Li

Nanjing Normal University, China

C10-02, ICICIC-2009-IS21-02

Inducting Concept Hierarchies from Text based on FCA

Zhifang Sui, Qingliang Zhao, and Yao Liu

Peking University, China

C10-03, ICICIC-2009-IS21-03

Document Clustering Description Based on Combination Strategy

Chengzhi Zhang

Institute of Scientific & Technical Information of China, China

C10-04, ICICIC-2009-IS21-04

Using Multiple Hybrid Strategies to Extract Chinese Synonyms from Encyclopedia Resource

Yong Lu, Chengzhi Zhang, and Hanqing Hou

Nanjing University of Information Science & Technology, China;

C10-05, ICICIC-2009-IS21-06

Designing and Realizing of Database System of Chinese Medicine Ancient Literature

Yao Liu, XueFei Chen, Yang Zhou, and Zhen-guo Wang

Institute of Scientific and Technical Information of China, China

C10-06, ICICIC-2009-IS21-07

Chinese Verb's Subcategorization Frame Acquisition from Unreliably Parsed Corpus

Zhifang Sui and Yao Liu

Peking University, China

C10-07, ICICIC-2009-IS21-08

Improving Topic Extraction in Chinese Documents Using Word Sense Disambiguation

Hongyan Song and Tianfang Yao

Shanghai Jiao Tong University, China

C10-08, ICICIC-2009-1827

T-S Fuzzy Control of Magnetic Levitation Systems Using PSO and QEA

Gwo-Ruey Yu and Yu-Jie Huang

National Ilan University, Taiwan

C10-09, ICICIC-2009-1964

A Web Text Fuzzy Classification Algorithm on Fuzzy Comprehensive Weighted Evaluation Reasoning

Shiqun Yin, Bing Wan, Yuhui Qiu, and Weiling Chen

Southwest University, China

C11

E-commerce and Logistics Management

Xiangpei Hu, Dalian University of Technology, China

C11-01, ICICIC-2009-IS11-01

A Parallel Immune Algorithm Based on Fine-grained Model with GPU-Acceleration

Jianming Li, Lihua Zhang, and Linlin Liu

Dalian University of Technology, China

C11-02, ICICIC-2009-IS11-02

Dynamic Information Game Theory Analysis of Knowledge Sharing for Training Inside Enterprises under the Mode of Master-apprentice

Mingzheng Wang, Jinchao Zhang, and Wentli Li

Dalian University of Technology, China

C11-03, ICICIC-2009-IS11-05

A Model and an Improved Genetic Algorithm for the Vehicle Routing Problem with Break-down Vehicles

Xuping Wang, Xu Wu, Zheng Wang, and Xianpei Hu

Dalian University of Technology, China

C11-04, ICICIC-2009-IS11-06

Quality Control of Meat Supply Chain Based on Iris Recognition

Shengnan Sun, Lindu Zhao, Qiang Kong, and Xiaoqiang Wang

Southeast University, China

C11-05, ICICIC-2009-IS11-07

A Real-Time Vehicle Routing Method with Diversion for Immediate Requests

Yan Fang, Xiangpei Hu, Mudan Bai, and Wenjuan Wang

Dalian University of Technology, China

C11-06, ICICIC-2009-IS11-09

Safety Control of Meat Supply Chain: A Case Study of SUTAI Pigs

Qiang Kong, Lindu Zhao, Shengnan Sun, Xiaoqiang Wang, and Menglu Zhang

Southeast University, China

C11-07, ICICIC-2009-IS11-10

A Simulation Study of Dynamic Campus Bus Routing with Vehicle Diversion

Wenjuan Wang, Xiangpei Hu, Lirong Wu, and Yan Fang

Dalian University of Technology, China

C11-08, ICICIC-2009-IS11-11

Inverse Optimization for Resources Allocation of Information Services in IMC

Yunfu Huo, Lin Ma, Xiangbin Zhang, and Ping Liang

Dalian University, China

C11-09, ICICIC-2009-IS11-12

Benefit Share Mechanism in Small Retail Enterprises Common Logistics Based on Shapley Value

Fuhua Huang, Min Zhou, and Yangxiaoxun Ou

Hunan University of Commerce, China

C12

Network Security and Network Algorithms

Chun-Hua Chen, Chienkuo Technology University, Taiwan

C12-01, ICICIC-2009-IS27-01

Cryptanalysis of a secure dynamic ID based remote user authentication scheme for multi-server environment

Te-Yu Chen, Min-Shiang Hwang, Cheng-Chi Lee, and Jinn-Ke Jan

National Chung Hsing University, Taiwan

C12-02, ICICIC-2009-IS27-02

Timestamped Conjunctive Keyword-Searchable Public Key Encryption

Yu-Chi Chen and Gwoboa Horng

National Chung Hsing University, Taiwan

C12-03, ICICIC-2009-IS27-03

Improvement of an Efficient Proxy Blind Signature Scheme

Fuw-Yi Yang and Zhen-Wei Liu

C12-04, ICICIC-2009-IS27-05

Private Information Retrieval Scheme Combined with E-Payment in Querying Valuable Information

Chun-Hua Chen and Chao-Hsing Hsu

National Chung-Hsing University, Taiwan

C12-05, ICICIC-2009-371

A Classified Herbs Method and Searching Algorithm of Classification Tree Used for Mathematical Measurement of Effect

Quanquan Gao, Tingge Ren, Xiaofeng Liu, Ping Gao, Fan Zhang, Yan Sun, Erqun Tang, and Yongyi Chen

Academy of Math. & Systems, Chinese Academy of Sciences, China

C12-06, ICICIC-2009-666

Applying genetic algorithm to on-line updated PID neural network controllers for ball and plate system

Xiucheng Dong, Zhang Zhang, and Chao Chen

Xihua University, China

C12-08, ICICIC-2009-1745

A Robust Grid-based Key Predistribution Scheme for Sensor Networks

Yen-Hua Liao, Chin-Laung Lei, and Ai-Nung Wang

National Taiwan University, China

C12-09, ICICIC-2009-2002

E-mail Spam Filtering Using Support Vector Machines with Selection of Kernel Function Parameters

Tsan-Ying Yu and Wei-Chih Hsu

National Kaohsiung First University of Science and Technology, Taiwan

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Intelligent Video Processing

Chao-Ho (Thou-Ho) Chen, National Kaohsiung University of Applied Sciences, Taiwan

C13-01, ICICIC-2009-IS08-01

Adaptive Skin Color Model Switching for Face Tracking under Varying Illumination

Deng-Yuan Huang, Wu-Chih Hu, and Mao-Hsiang Hsu

Da-Yeh University, Taiwan

C13-02, ICICIC-2009-IS08-02

Efficient Bit-Plane Coding Scheme for EBCOT Algorithm in JPEG2000

Tsung-Han Tsai, Che-Wei Chang, and Chih-Lun Fang

National Central University, Taiwan

C13-03, ICICIC-2009-IS08-03

Real-Time Video Stabilization Based on Motion Compensation

Chao-Ho (Thou-Ho) Chen, Yi-Li Kuo, Tsong-Yi Chen, and Jie-Ru Chen

National Kaohsiung University of Applied Sciences, Taiwan

C13-04, ICICIC-2009-IS08-04

People Recognition for Entering & Leaving a Video Surveillance Area

Da-Jinn Wang, Chao-Ho (Thou-Ho) Chen, Tsong-Yi Chen, and Chien-Tsung Lee

National Kaohsiung University of Applied Sciences, Taiwan

C13-05, ICICIC-2009-IS08-05

High-Accuracy Watermarking Scheme on H.264 Based on Majority Voting

Tsong-Yi Chen, Da-Jinn Wang, Chao-Ho (Thou-Ho) Chen, Guan-Jiun Wang, and John Chern

National Kaohsiung University of Applied Sciences, Taiwan

C13-06, ICICIC-2009-IS08-06

Visibility Enhancement in the Foggy Environment Based on Color Analysis

Da-Jinn Wang, Chao-Ho (Thou-Ho) Chen, Tsong-Yi Chen, and Wen-Wei Tsai

National Kaohsiung Marine University, Taiwan

C13-07, ICICIC-2009-1284

An Unsupervised Playfield Segmentation for Various Sport Videos

Mao-Hsiung Hung, Chaur-Heh Hsieh, and Chung-Ming Kuo

I-Shou University, Taiwan

C13-08, ICICIC-2009-1341

Partial Boundary Matching Algorithm and Spatio-Temporal Texture Synthesis in Distributed Video Coding

Ted Chih-Wei Lei and Shiunn-Jang Chern

National Sun Yat-Sen University, Taiwan

C13-09, ICICIC-2009-1765

A Novel Video Watermarking Scheme in H.264/AVC Encoder

Shinfeng D. Lin, Chih-Yao Chuang, Mei-Juan Chen, and Hsiang-Cheng Meng

National Dong Hwa University, Taiwan

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Innovative Computing Methods in Finance and Management

Chunhui Xu, Chiba Institute of Technology, Japan

Min Huang, Northeastern University, China

C14-01, ICICIC-2009-IS22-01

Numerical Computation for Identifying Nash Equilibria using Shapley's Labeling Method

Naoki Shiba

Nihon University, Japan

C14-02, ICICIC-2009-IS22-02

Particle Swarm Optimization Based Multi-strategies Risk Programming for Virtual Enterprise

Min Huang, Yifei Liu, Xuejing Wu, and Xingwei Wang

Northeastern University, China

C14-03, ICICIC-2009-IS22-03

Multi-Agent Simulation of Fund Circulation in an Artificial Economic System Involving Self-Adjusting Mechanism of Price, Production and Investment

Shigeaki Ogibayashi and Kousei Takashima

Chiba Institute of Technology, Japan

C14-04, ICICIC-2009-IS22-04

An Intelligent Static Traffic Grooming Scheme in IP over DWDM Internet

Xingwei Wang, Chengcheng Tong, and Min Huang

Northeastern University, China

C14-05, ICICIC-2009-IS22-06

VaR Based Assets Portfolio Optimization Model with Risk Measure

Pingping Lin, Qing Wang, and Shu-an Liu

Northeastern University, China

C14-06, ICICIC-2009-IS22-07

Design Life Insurance Participating Policies with Annual Premiums Using Optimization Techniques

Perla Rocio Calidonio Aguilar and Chunhui Xu

Chiba Institute of Technology, Japan

C14-07, ICICIC-2009-1379

An Integrated Concept Diagnosis based on Polytomous IRS and Learning Styles with Application in Fraction Subtraction Assessment

Yuan-Horng Lin, and Sen-Chi Yu

Taichung University, Taiwan

C14-08, ICICIC-2009-1770

A classification approach of news web pages from multi-media sources at Chinese entry website-Taiwan Yahoo! as an example

Deng-Yiv Chiu, Chi-Chung Lee, and Ya-Chen Pan

Chung Hua University, Taiwan

C14-09, ICICIC-2009-1404

Dynamic Load Balancing Algorithm Based on FCFS

Wenzheng Li and Hongyan Shi

Beijing Technology and Business University, China

C14-10, ICICIC-2009-IS22-05

Complexity on the Solution of Multilevel Lot-sizing Problems

Ikou Kaku

Akita Prefectural University, Japan

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P01-01, ICICIC-2009-2013

Feature Selection for Character Recognition Using Genetic Algorithm

Yoshimasa Kimura, Akira Suzuki, and Kazumi Odaka

P01-02, ICICIC-2009-2016

Data Leak Analysis in A Corporate Environment

Seokhee Lee, Keungi Lee, Antonio Savoldi, and Sangjin Lee

Gwangju Institute of Science and Technology (GIST), Korea

P01-03, ICICIC-2009-380

An Outlier Mining Algorithm in High-Dimension based on Single-parameter-k Local Density

WeiLi Huang, Di Wu, and JiaDong Ren

Hebei University of Engineering, China

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Haitao He, Na Zhao, and Liu Yao

Beijing University of Technology, China

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The Research on RBF Flatness Forecasting Model Based on MPSO

Haitao He, Xicai Xue, and Liu Yao

Beijing University of Technology, China

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A Hierarchical Clustering Algorithm Based on K-Means with Constraints

GuoYan Hang, DongMei Zhang, JiaDong Ren, and ChangZhen Hu

Yanshan University, China

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CABGD: An improved clustering algorithm based on grid-density

JiaDong Ren, Lili Meng, and Changzhen Hu

Yanshan University&Beijing Institute of Technology, China

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A Weighted Subspace Clustering Algorithm in High-Dimensional Data Streams

JiaDong Ren, Lining Li, and Changzhen Hu

Yanshan University&Beijing Institute of Technology, China

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An Improved Storage Algorithm for Multidimensional Data Cube

Haitao He, Yanpeng Zhang, Jiadong Ren, Lining Li, and ChangZhen Hu

Yanshan University, China

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A New Method of System Reliability Evaluation Based on the Fuzzy Theory

Jungang Zhou, Lingling Li, Zhigang Li, and Quanming Zhao

Hebei University of Technology, China

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Fault Detection of Networked Control Systems Subject to Uncertain Time-varying Delay and Packet Dropout

Yiming Wan, Hao Ye, and Yongqiang Wang

Tsinghua University, China

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A Synthesis Approach of Constrained Robust Model Predictive Control

Junling Li

Shanghai Institute of Technology, China

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A Novel MDC Framework Based on Orientation SFQ Algorithm

Lin-Lin Tang and Zhe-Ming Lu

Zhejiang University, China

P01-14, ICICIC-2009-IS26-02

A Novel Real-Time Information Hiding Technique in the VLC Domain

Hao-Xian Wang and Zhuo-Zhi Diao

Harbin Institute of Technology at Weihai, China

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An Investigation of Four-Phase Flat-type TFPM and Control System

Huan Wang, Yi-kai Shi, and Bo Tang and Xiao-qing Yuan

Northwestern Polytechnical University, China

P01-16, ICICIC-2009-IS21-05

Active Learning for Chinese Word Sense Disambiguation

Peng Jin, Yunfang Wu, Zuxu Dai, and Yi Liu
Leshan Normal University, China

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Efficient parallel algorithms for constructing a (k, l) - center and a (k, l) - core in a tree network

Yan Wang and Yongqiang Wang
Northwest A & F University, China

P01-18, ICICIC-2009-IS18-01

Fault Identification and Fault-Tolerant Control for Nonlinear Systems Based on Fuzzy T-S Model

Wei Wang, Shaocheng Tong, and Yang Yu
Liaoning University of Technology, China

P01-19, ICICIC-2009-IS18-02

Fuzzy Optimal Control for Operation of the Raw Slurry Blending Process

Rui Bai, Shaocheng Tong, Jian Zhang, and Chunxia Wang
Liaoning University of Technology, China

P01-20, ICICIC-2009-IS18-03

Image Processing Based on Fuzzy Cellular Automata Model

Hong Wang, Junna Jiang, Lihui Zhou, and Liping Du
Hebei Polytechnic University, China

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