



*The Eighth International Conference on Intelligent
Systems Design and Applications*

November 26-28, Kaohsiung City, Taiwan
<http://bit.kuas.edu.tw/~isda08/>

Conference Program

November 25, 2008

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

November 26, 2008

Registration 08:00-17:30
Opening 08:30-09:00
Plenary Speech I 09:00-10:00
Coffee Break..... 10:00-10:20
Sessions A01-A05 10:20-12:05
Lunch..... 12:05-13:30
Sessions A06-A10 13:30-15:15
Coffee Break..... 15:15-15:40
Sessions A11-A15 15:40-17:25
Welcome Dinner 18:00-20:00

November 27, 2008

Registration 08:00-17:30
Plenary Speech II 09:00-10:00
Coffee Break..... 10:00-10:20
Sessions B01-B04 10:20-12:05
Poster Session B05 10:20-12:05

Lunch.....	12:05-13:30
Sessions B06-B09	13:30-15:15
Post Session B10	13:30-15:15
Coffee Break.....	15:15-15:40
Sessions B11-B14	15:40-17:25
Poster Session B15	15:40-17:25
Conference Banquet	17:40-20:00
Plenary Speech III	17:40-18:00

November 28, 2008

Registration	08:00-17:30
Plenary Speech IV	09:00-10:00
Coffee Break.....	10:00-10:20
Sessions C01-C04	10:20-12:05
Poster Session C05	10:20-12:05
Lunch.....	12:05-13:30
Sessions C06-C09	13:30-15:15
Post Session C10	13:30-15:15
Coffee Break.....	15:15-15:40
Sessions C11-C14	15:40-17:25
Poster Session C015	15:40-17:25
Conference Farewell	18:00-20:00

Session List

November 26, 2008, 10:20-12:05

- A01 : Novel Approaches to Pervasive Applications
- A02 : Intelligent Systems for Image Analysis & Image Analysis and Biometrics
- A03 : Intelligent Technology for Ubiquitous Computing
- A04 : Bioinformatics
- A05 : Intelligent Text Categorization and Clustering

November 26, 2008, 13:30-15:15

- A06 : Intelligent Data Analysis and Applications
- A07 : Information Management and Processing
- A08 : Intelligent Interface Design and Application
- A09 : Soft-computing Technologies & Applications on IEM Intelligent Systems
- A10 : Evolutionary Multiobjective Optimization -- Design and Applications

November 26, 2008, 15:40-17:25

- A11 : Intelligent Data Analysis and Applications
- A12 : Information Management and Processing
- A13 : Emerging Technologies for Intelligent Vehicular Applications
- A14 : Soft-computing Technologies & Applications on IEM Intelligent Systems
- A15 : Multi-Agent Systems in E-Business: Concepts, Technologies and Applications

November 27, 2008,10:20-12:05

- B01 : Pattern Recognition and Signal Process
- B02 : Software Agent
- B03 : Fuzzy Applications
- B04 : Web-related Application and Information Retrieval
- B05 : Poster Session (I)

November 27, 2008, 13:30-15:15

- B06 : Computer Network**
- B07 : Clustering, Classification and Database**
- B08 : Computational Intelligence and Its Applications**
- B09 : Watermarking and Signal Processing**
- B10 : Poster Session (II)**

November 27, 2008, 15:40-17:25

- B11 : Image Processing**
- B12 : Control and Signal Processing**
- B13 : Signal Processing (I)**
- B14 : Signal Processing (II)**
- B15 : Poster Session (III)**

November 28, 2008,10:20-12:05

- C01 : Digital Crime, Forensics and E-Commerce Security**
- C02 : Intelligent Adaptive System (I)**
- C03 : Machine Learning, Evolutionary Computation and Their Applications**
- C04 : Intelligent Watermarking Techniques, Image Authentication and
Visual Cryptography**
- C05 : Poster Session (IV)**

November 28, 2008, 13:30-15:15

- C06 : E-Commerce Security**
- C07 : Intelligent Adaptive System (II)**
- C08 : Intelligent Video Processing**
- C09 : Intelligent Watermarking Techniques,Image Authentication And
Visual Cryptography**
- C10 : Poster Session (V)**

November 28, 2008, 15:40-17:25

- C11 : E-Commerce Security**

C12 : Digital Crime and Forensics

C13 : Intelligent Video Processing

**C14 : Intelligent Watermarking Techniques, Image Authentication and
Visual Cryptography**

C15 : Poster Session (VI)

A01

Novel Approaches to Pervasive Applications

Bao-Rong Chang, Taitung University, Taiwan

Horng-Chang Yang, Taitung University, Taiwan

Cheng-Hsiung Hsieh, Chaoyang University of Technology, Taiwan

A01-01, ISDA-2008-IS01-001

Applying Embedded Hybrid ANFIS/Quantum-Tuned BPNN Prediction to Collision Warning System for Motor Vehicle Safety

Bao-Rong Chang, Chung-Ping Young, Hsiu-Fen Tsai, and Jian-Jr Lin

Taitung University, Taiwan

A01-02, ISDA-2008-IS01-003

A Sense Based Similarity Measure for Cross-Lingual Documents

Hsun-Hui Huang, Horng-Chang Yang, and Yau-Hwang Kuo

Cheng Kung University, Taiwan

A01-03, ISDA-2008-IS01-004

An Intelligent Intrusion Detection System Based on UPnP Technology for Smart Living

Mong-Fong Horng, Bo-Chao Chang, and Bei-Hao Su

Kaohsiung University of Applied Sciences, Taiwan

A01-04, ISDA-2008-IS01-005

Image Fusion Based on Grey Polynomial Interpolation

Cheng-Hsiung Hsieh, Pei-Wen Chen, Chia-Wei Lan, and Kuan-Chieh Hsiung

Chaoyang University of Technology, Taiwan

A01-05, ISDA-2008-IS01-006

A Method of Camera Relationship Establishment Based on Temporal and Spatial Information of Video Clips

Hsien-Chou Liao, Cheng-Hsiung Hsieh, Yi-Ming Hsieh, and Chih-En Wu

Chaoyang University of Technology, Taiwan

A01-06, ISDA-2008-IS12-003

Chinese Unknown Word Recognition using improved Conditional Random Fields

Yisu Xu, Xuan Wang, Bu-Zhou Tang, and Xiao-Long Wang

Harbin Institute of Technology Shenzhen Graduate School, China

A01-07, ISDA-2008-1252

*The Innovation of Manufacturing Premise based on Knowledge obtained by Quality
Accident Report*

Shujiro Murayama^a, Junko Shibata^b, Koji Okuhara^c, and Hiroaki Ishii^c
Hiroshima University of Economics, Japan

A01-08, ISDA-2008-1177

Traffic Identification of Tor and Web-Mix

Xuefeng Bai, Yong Zhang, and Xia-Mu Niu
Harbin Institute of Technology Shenzhen Graduate School, China

A02

Intelligent Systems for Image Analysis & Image Analysis and Biometrics

Chuan-Yu Chang, Yunlin University of Science & Technology, Taiwan

Khalid Saeed, Bialystok technical University, Poland

A02-01, ISDA-2008-IS02-001

Applying the Particle Swarm Optimization and Boltzmann Function for Feature Selection and Classification of Lymph Node in Ultrasound Images

Chuan-Yu Chang, Cheng-Ting Lai, and Shao-Jer Chen

Yunlin University of Science & Technology, Taiwan

A02-02, ISDA-2008-IS02-002

Adaptive Template Block-based Block Matching for Object Tracking

Wu-Chih Hu

Penghu University, Taiwan

A02-03, ISDA-2008-IS02-003

Image Thresholding Using Mean-Shift Based Particle Swarm Optimization

Chien-Cheng Lee, Yu-Chun Chiang, Cheng-Yuan Shih, and Wen-Sheng Hu

Yuan Ze University, Taiwan

A02-04, ISDA-2008-IS02-006

Fragile Watermarking for H.264 Video Stream Authentication

Chuen-Ching Wang and Yu-Chang Hsu

Changhua University of Education, Taiwan

A02-05, ISDA-2008-0365

A Fast Recursive Algorithm for Gradient-Based Global Motion Estimation in Sparsely Sampled Field

Yong-Ren Huang

Shu-Te University, Taiwan

A02-06, ISDA-2008-0629

Illumination Invariant Color Model for Image Matching and Object Recognition

Hui-Fuang Ng and Yen-Wei Chu

Asia University, Taiwan

A02-07, ISDA-2008-WS01-0723

Blind Image Deconvolution via Particle Swarm Optimization with Entropy Evaluation

Tsung-Ying Sun, Chan-Cheng Liu, Yu-Peng Jheng, Jyun-Hong Jheng, Shang-Jeng Tsai, and Sheng-Ta Hsieh

Dong Hwa University, Taiwan

A02-08, ISDA-2008-1192

Fuzzy Fusion Method for Combining Small Number of Classifiers in Hyperspectral Image Classification

Chun-Hsiang Chuang, Bor-Chen Kuo, and Hsuan-Po Wang

Taichung University, Taiwan

A03

Intelligent Technology for Ubiquitous Computing

Chia-Mei Chen, Sun Yat-Sen University, Taiwan

Hung-Yao Hsu, University of South Australia, Australia

A03-01, ISDA-2008-IS03-001

Using Resampling for Optimizing Continuous Queries in Wireless Sensor Networks

San-Yih Hwang, Pin-Yu Liu, and Chien-Hsiang Lee

Sun Yat-Sen University, Taiwan

A03-02, ISDA-2008-IS03-002

Discovering Moving Clusters from Spatial-Temporal Databases

San-Yih Hwang, Chien-Ming Lee, and Chien-Hsiang Lee

Sun Yat-Sen University Kaohsiung, Taiwan

A03-03, ISDA-2008-IS03-005

Malicious Webpage Detection by Semantics-Aware Reasoning

Shih-Fen Lin, Yung-Tsung Hou, Chia-Mei Chen, Bingchiang Jeng, and Chi-Sung

Laih

Sun Yat-Sen University, Taiwan

A03-04, ISDA-2008-0294

Research on Intelligent Systems Applied to Tourism Development Design

Min Wei

Xiammen University, China

A03-05, ISDA-2008-0440

The Development of a Creativity-Enhancing Model for Innovative Design Concepts

Zhiqiang Zhu, Sev Nagalingam, and Hung-Yao Hsu

University of South Australia, Australia

A03-06, ISDA-2008-1740

A Prediction Mechanism of Mail Retrieval Based on the User Behavior Analysis for Electronic Mail Database System

Wei-Ru Lai, Che-Hui Liao, Chang-Ching Lu, and Ming-Kuan Liao

Yuan Ze University, Taiwan

A03-07, ISDA-2008-IS13-006

Image Registration using Rotation normalized Feature Points

Zhan-Long Yang and Bao-Long Guo

Xidian University, China

A03-08, ISDA-2008-IS13-008

*Efficient Intra Refresh Using Motion Affected Region Tracking for Surveillance Video
over Error Prone Networks*

Jie Jiang, Bao-Long Guo, and Wei Mo

Xidian University, China

A04

Bioinformatics

Fang-Rong Hsu, Feng Chia University, Taiwan

Shou-Hsuan Stephen Huang, University of Houston, USA

A04-01, ISDA-2008-IS18-002

Prediction of Protein Subcellular Localizations

Chin-Sheng Yu and Jenn-Kang Hwang

Feng Chia University, Taiwan

A04-02, ISDA-2008-0539

Advanced Plasmonic Biosensing Devices and Automation Systems for Disease Diagnostic and Drug Screening Applications

Nan-Fu Chiu, Tzoo-Shaang Wey, Chun Yu, Tzu-Chien Hsiao, and Chii-Wann Lin

Taiwan University, Taiwan

A04-03, ISDA-2008-0825

Intelligent Emotion Decision System for Autonomous Agents

Xia Mao, Haiyan Bao, and Zheng Li

Beihang University, China

A04-04, ISDA-2008-1160

Using Multi-attribute Utility Theory to Rank and Select Co-branding Partners

Wei-Lun Chang

Tamkang University, Taiwan

A04-05, ISDA-2008-1241

User Behavior Analysis in Masquerade Detection Using Principal Component Analysis

Han-Ching Wu and Shou-Hsuan Stephen Huang

University of Houston, USA

A04-06, ISDA-2008-1288

Development of an Agent-based Distributed Multi-axis Surface Milling Machining Service System

Yung-Chou Kao and Mau-Sheng Chen

Kaohsiung University of Applied Sciences, Taiwan

A04-07, ISDA-2008-1719

Fast Parallel Molecular Solution To the Hitting-set Problem

Nung-Yue Shi and Chih-Ping Chu

National Cheng Kung University, Taiwan

A04-08, ISDA-2008-0036

Learner Attentiveness Detection based on Image Detection and Fuzzy Logic Analysis

Kuo-An Hwang and Chia-Hao Yang

Chaoyang University of Technology, Taiwan

A05

Intelligent Text Categorization and Clustering

Felipe Maia Galv ão Fran ãa, UFRJ, Brazil

Alberto Ferreira de Souza, UFES, Brazil

A05-01, ISDA-2008-WS05-0268

Term Weighting Approaches for Text Categorization Improving

L. A. Matsunaga and N. F. F. Ebecken

Federal University of Rio de Janeiro, Brazil

A05-02, ISDA-2008-WS05-1052

Using Chi-Square Automatic Interaction Detector to Solve the Polysemy Problems in a Chinese to Taiwanese TTS System

Yih-Jeng Lin, Ming-Shing Yu, and Chin-Yu Lin

Chien-Kuo Technology University, Taiwan

A05-03, ISDA-2008-WS05-1496

A Comparison between a KNN based Approach and a PNN Algorithm for a Multi-Label Classification Problem

Elias Oliveira, Patrick Marques Ciarelli, Claudine Badue, and Alberto Ferreira De Souza

Universidade Federal do Esp'irito Santo, Brazil

A05-04, ISDA-2008-WS05-1505

The Influence of Order on a Large Bag of Words

Charles B. Prado, Felipe M. G. Franc, a, Ramon Diacovo, and Priscila M. V. Lima

Globo Television Network, Brazil

A05-05, ISDA-2008-WS05-1550

Improving VG-RAM WNN Multi-label Text Categorization via Label Correlation

Alberto F. De Souza, Claudine Badue, Bruno Zanetti Melotti, Felipe T. Pedroni, and Fernando L'ibio L. Almeida

Universidade Federal do Esp'irito Santo, Brazil

A05-06, ISDA-2008-1562

Thinned ECOC Decomposition for Gene Expression Based Cancer Classification

Nima Hatami

Shahed University, Iran

A05-07, ISDA-2008-0065

An Intelligent Agent for Personalized E-Learning

Jin-Ling Lin and Ming-Hung Chen

Shih-Hsin University, Taiwan

A05-08, ISDA-2008-0469

A New Algorithm for Power System Scheduling Problems

Huo-Ching Sun, Yann-Chang Huang, and Kun-Yuan Huang

Cheng Shiu University, Taiwan

A06

Intelligent Data Analysis and Applications

Tzung-Pei Hong, University of Kaohsiung, Taiwan

Wen-Yang Lin, University of Kaohsiung, Taiwan

Shusaku Tsumoto, Shimane University, Japan

A06-01, ISDA-2008-IS25-001

Multilingual Information Retrieval using GHSOM

Hsin-Chang Yang and Chung-Hong Lee

University of Kaohsiung, Taiwan

A06-02, ISDA-2008-IS25-002

An Intelligent PPQA Web Services for CMMI Assessment

Mei-Hui Wang and Chang-Shing Lee

University of Tainan, Taiwan

A06-03, ISDA-2008-0482

Fuzzy Clustering by Differential Evolution

Yu-Cheng Kao, Jin-Cherng Lin, and Shin-Chia Huang

Tatung University, Taiwan

A06-04, ISDA-2008-0868

Analysis and Estimation of Micro-Doppler Effect in Passive Positioning System

Miaohong Cai, Feng He, and Lenan Wu

Southeast University, China

A06-05, ISDA-2008-1046

Notes on the Distinction of Gaussian and Cauchy Mutations

Kuo-Torng Lan and Chun-Hsiung Lan

Takming University of Science and Technology, Taiwan

A06-06, ISDA-2008-1372

Data Mining of Geographical Accessibility for Tourism in Regional Area

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

Osaka University, Japan

A06-07, ISDA-2008-1696

Use of NER Information for Improved Topic Tracking

Xiao-Wei Wang, Long-Bin Jiang, Jia-Lin Ma, and Yan Jiang
Shenyang Normal University, Taiwan

A06-08, ISDA-2008-IS12-005

A Modified Cluster-based Routing Protocol with Cloud Model

Yong Zhang, Yan-Jun Yang, Jian-Peng Xu, and He Wang
Harbin Institute of Technology Shenzhen Graduate School, China

A07

Information Management and Processing

Chin-Chen Chang, Feng Chia University, Taiwan

Chin-Feng Lee, Chaoyang University of Technology, Taiwan

A07-01, ISDA-2008-IS16-001

Web Usage Mining based on Clustering of Browsing Features

Chu-Hui Lee and Yu-Hsiang Fu

Chaoyang University of Technology, Taiwan

A07-02, ISDA-2008-IS16-002

Content-based Image Retrieval Based on Vector Quantization and Affine Invariant Region

Chin-Feng Lee, Shu-Ching Wang, and Yi-Jia Wang

Chaoyang University of Technology, Taiwan

A07-03, ISDA-2008-IS16-003

Novel Algorithms for Privacy Preserving Utility Mining

Jieh-Shan Yeh, Po-Chiang Hsu, and Ming-Hsun Wen

Providence University, Taiwan

A07-04, ISDA-2008-IS16-004

Improvement of Wang-Li's Forward-Secure User Authentication Scheme with Smart Cards

Wen-Bing Horng and Cheng-Ping Lee

Tamkang University, Taiwan

A07-05, ISDA-2008-0466

Intelligent Data Mining Approach for Fault Diagnosis

Yann-Chang Huang, Huo-Ching Sun, and Yu-Hsun Lin

Cheng Shiu University, Taiwan

A07-06, ISDA-2008-0842

A Rough Set and SVM Based Approach to Chinese Textual Affect Sensing

Xia Mao, Zheng Li, and Haiyan Bao

Beihang University, China

A07-07, ISDA-2008-0497

*Fast Estimation of Communication Cost for Thread Mapping in Computation Grids
Using SVD*

Ti-Hsin Wang, Tyng-Yeu Liang, and Chia-Hao Chang
Kaohsiung University of Applied Sciences, Taiwan

A07-08, ISDA-2008-IS13-002

A Novel Digital Watermarking Method for New Viewpoint Video Based on Depth Map

Ning Zhu, Gui-Guang Ding, and Jian-Min Wang
Tsinghua University, China

A08

Intelligent Interface Design and Application

Ming-Che Hsieh, Taitung University, Taiwan

Guiguang Ding, Tsinghua University, China

A08-01, ISDA-2008-IS07-001

A Multi-Agent based Architecture for an Assistive User Interface of Intelligent Home Environment Control

Chih-Hsien Liang, Wei-Sheng Hung, Ming-Che Hsieh, Chung-Min Wu, and
Chin-Hsing Luo

Cheng Kung University, Taiwan

A08-02, ISDA-2008-IS07-002

Spoken Dialogue Agent Interface Requirements Modeling based on PASSI Methodology

Ming-Che Hsieh, Wei-Sheng Hung, Shin-Shing Shin, Shu-Wen Lin, and Tsan-Hsun
Huang

Taitung University, Taiwan

A08-03, ISDA-2008-IS07-003

An Intelligent Brain Computer Interface of Visual Evoked Potential EEG

Shih-Chung Chen, Shih-Chang Hsieh, and Chih-Kuo Liang

Southern Taiwan University, Taiwan

A08-04, ISDA-2008-IS07-004

A Multi-Agent based Testbed for Agent Interface Evaluation

Chung-Min Wu, Ming-Che Hsieh, Chih-Kuo Liang, and Chin-Hsing Luo

Kun Shan University of Technology, Taiwan

A08-05, ISDA-2008-1075

Intelligent Focus+Context Volume Visualization

Cheng-Kai Chen, Russell Thomason, and Kwan-Liu Ma

University of California, Davis, USA

A08-06, ISDA-2008-1232

Using MPE with Bayesian Network for Sub-Optimization to Entropy-Based Methodology

Bor-Chen Kuo, Tien-Yu Hsieh, and Hsuan-Po Wang

Taichung University, Taiwan

A08-07, ISDA-2008-0747

Output-Feedback PID Controllers for Robot Manipulators with Jacobian Uncertainty

Chun-Qing Huang and Xia-Fu Peng

Xiamen University, China

A08-08, ISDA-2008-1700

Adaptive H_∞ Tracking Control Design in Robotic Systems With Parameter

Perturbation and External Disturbance

Chun-Qing Huang

Xiamen University, China

A09

Soft-computing Technologies & Applications on IEM Intelligent Systems

Tien Tsai Huang, Lunghwa University of Science and Technology, Taiwan

N. F. F. Ebecken, Federal District Legislative Assembly, Brazil

A09-01, ISDA-2008-IS04-001

The Empirical Study of Fuzzy Performance Appraisal Applied on Securities Brokerage

Tien-Tsai Huang and Chien-Yi Chen

Lunghwa University of Science and Technology, Taiwan

A09-02, ISDA-2008-IS04-002

Composite Shewhart-Poisson GWMA Control Chart with Sensitizing Rules

Tse-Chieh Lin

Lunghwa University of Science and Technolog, Taiwan

A09-03, ISDA-2008-IS04-003

Fuzzy Multiple Objective Programming Based on Interval-Valued Fuzzy Sets

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

Chinese Culture University, Taiwan

A09-04, ISDA-2008-0217

Genetic Optimization for Benefit-Oriented Data Broadcast in T-learning Environments

Chao-Chun Chen, Yong-Ming Huang, Lien-Fa Lin, and Ding-Chau Wang

Southern Taiwan University, Taiwan

A09-05, ISDA-2008-0488

Using Semi-Discrete Decomposition for Topic Identification

Václav Snášel, Pavel Moravec, and Jaroslav Pokorný

Technical University of Ostrava, Czech

A09-06, ISDA-2008-0795

Implementation of an Intelligent HLA-compliant Application Layer Gateway for Real-time Flight Simulation

Kuo-Wei Meng, Ming-Chuan Hung, Don-Lin Yang, and Yeh-Ching Chung

Feng Chia University, Taiwan

A09-07, ISDA-2008-1302

*Fuzzy Logic on Representation of Knowledge Structure and Measure of Similarity
with Application on Mathematics Concepts for Pupils*

Yuan-Horng Lin, He-Kai Chen, and Wen-Liang Hung

Taichung University, Taiwan

A10

Evolutionary Multiobjective Optimization -- Design and Applications

Crina Grosan, Babes-Bolyai University, Romania

Ajith Abraham, Norwegian University of Science and Technology, Norway

A10-01, ISDA-2008-WS02-0728

Genetic Annealing Optimization: Design and Real World Applications

Mostafa A. El-Hosseini, Aboul Ella Hassanien, Ajith Abraham, and Hameed Al-Qaheri

Kuwait University, Kuwait

A10-02, ISDA-2008-0693

A Robust Audio Watermarking Algorithm Based on DCT and Vector Quantization

Ji-Xin Liu, Zhe-Ming Lu, and Jeng-Shyang Pan

Guangdong Electronics Industry Institute Corp., China

A10-03, ISDA-2008-WS02-0875

An Approach of Chunk Parsing and Entity Relation Extracting to Chinese Based on Conditional Random Fields Model

Jun-Hua Wu and Jing Zhou

Nanjing University of Technology, China

A10-04, ISDA-2008-WS02-0962

Earthquake Shelter Location Evaluation Considering Road Structure

Yung-Lung Lee, Hiroaki Ishii, and Cheng-An Tai

Chang Jung Christian University, Taiwan

A10-05, ISDA-2008-WS02-1556

Two Evolutionary Multiobjective Approaches for the Component Selection Problem

Andreea Vescan and Crina Grosan

Bolyai University, Romania

A10-06, ISDA-2008-WS02-1650

Uniform Parallel Machines Scheduling using a Genetic Algorithm

Alin Mihăilă and Cristina Mihăilă

Babeş-Bolyai University, Romania

A10-07, ISDA-2008-WS02-1671

Towards a Suitable Reconciliation of the Findings in Collaborative Fuzzy Clustering

Rafael Falcón, Benoît Depaire, Koen Vanhoof and Ajith Abraham

University of Las Villas (UCLV) Santa Clara, Cuba

A10-08, ISDA-2008-IS17-001

Cryptanalysis of ID-Based Digital Signature Scheme on Elliptic Curve Cryptosystem

Jen-Ho Yang and Chin-Chen Chang

Chung Cheng University, Taiwan

A11

Intelligent Data Analysis and Applications

Shusaku Tsumoto, Shimane University, Japan

Tzung-Pei Hong, University of Kaohsiung, Taiwan

Wen-Yang Lin, University of Kaohsiung, Taiwan

A11-01, ISDA-2008-IS25-004

An Incremental FUSP-Tree Maintenance Algorithm

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

Cheng Kung University, Taiwan

A11-02, ISDA-2008-IS25-005

An Evolution-based Dynamic Scheduling Algorithm in Grid Computing Environment

Kun-Ming Yu and Cheng-Kwan Chen

Chung-Hua University, Taiwan

A11-03, ISDA-2008-IS25-006

A Data Grid File Replication Maintenance Strategy Using Bayesian Networks

Chao-Tung Yang, Chien-Jung Huang, and Ting-Chih Hsiao

Tunghai University, Taiwan

A11-04, ISDA-2008-0737

Solution of Fuzzy Relational Equation by Real-Valued GA

Leh Luoh

Chung-Hua University, Taiwan

A11-05, ISDA-2008-1613

Database-driven Disease Prevention by Daily Menu Management and Physical Condition

Eri Domoto, Koji Okuhara, and Hiroaki Ishii

Hiroshima University of Economics, Japan

A11-06, ISDA-2008-1126

Feature Selection for Cancer Classification on Microarray Expression Data

Hui-Huang Hsu and Ming-Da Lu

Tamkang University, Taiwan

A11-07, ISDA-2008-1428

*Some Software Engineering and Knowledge Representation Principles for the Design
and Construction of Ontology-based Linguistic Resources*

Francisco Alvarez, Antonio Vaquero, and Fernando Sáenz

Universidad Autónoma de Sinaloa, Spain

A12

Information Management and Processing

Chin-Chen Chang, Feng Chia University, Taiwan

Chin-Feng Lee, Chaoyang University of Technology, Taiwan

A12-01, ISDA-2008-IS16-005

Finding the Complete Set of Minimal Solutions for Fuzzy Max-Archimedean t -Norm Relational Equations

Jun-Lin Lin

Yuan Ze University, Taiwan

A12-02, ISDA-2008-IS16-006

An Authentication Scheme in Peer-to-peer Based Live Stream Sharing Management Systems

Shiuh-Jeng Wang, Yuh-Ren Tsai, and Pin-You Chen

Central Police University, Taiwan

A12-03, ISDA-2008-IS16-007

Interactive Mining of Frequent Patterns in a Data Stream of Time-Fading Models

Ming-Yen Lin, Sue-Chen Hsueh, and Chung-Yi Wang

Feng Chia University, Taiwan

A12-04, ISDA-2008-0461

Hierarchical P2P Networking and Two-level Compression Scheme for Multi-agent System Supporting Context-aware Applications

Joon-Hwang Kim, Jeong-Hun Chu, Seungwok Han, Chang-Won Park, and Hee-Yong Youn

Sungkyunkwan University, Korea

A12-05, ISDA-2008-0848

Detection of the Cardiovascular Diseases by using a Linearly Modeling System with the PSO-based Classification Scheme

Meng-Cheng Shen, Heng-Chou Chen, and Chih-Hui Chen

Chienkuo Technology University, Taiwan

A12-06, ISDA-2008-0881

NO_x Estimation based on Flame Image of high Temperature Air Combustion

Zengshou Dong, Mingjun Liu, and Fengchun Zhang

Tai Yuan University of Science and Technology, China

A12-07, ISDA-2008-1088

Location Tracking with Power -level Switching for Wireless Sensor Networks

Hung-Chi Chu, Chung-Jie Li, Ching-Yun Chen, and Hong-Wen Yu

Chaoyang University of Technology, Taiwan

A12-08, ISDA-2008-0698

The Improvement of Public key Cryptography Based on Chaotic Neural Networks

Yunpeng Zhang, Tongtong Xue, Zhengjun Zhai, Chunyan Ma, and Xiaobin Cai

Northwestern Polytechnical University, China

A13

Emerging Technologies for Intelligent Vehicular Applications

Chung-Ping Young, Cheng Kung University, Taiwan

O. Znamenshchikov, University of Paderborn, Germany

A13-01, ISDA-2008-IS05-003

Cooperative Collision Warning Based Highway Vehicle Accident Reconstruction

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

Cheng Kung University, Taiwan

A13-02, ISDA-2008-IS05-004

Design of an In-Vehicle Anti-Theft Component

Jung-Hsuan Wu, Chien-Chuan Kung, Jhan-Hao Rao, Pang-Chieh Wang, Cheng-Liang Lin, and Ting-Wei Hou

Cheng Kung University, Taiwan

A13-03, ISDA-2008-0119

Point Clouds Construction Algorithm from a Home-made Laser Scanner

Bagus Arthaya and Hendra Gunawan

Parahyangan Catholic University, Indonesia

A13-04, ISDA-2008-0277

The Novel Fuzzy Sliding Mode Control of Synchronous Reluctance Motor

Chien-An Chen, Huann-Keng Chiang, and Chih-Huang Tseng

Yunlin University of Science & Technology, Taiwan

A13-05, ISDA-2008-0474

Immune System assisted Radial Basis Function Network for OFDM System Channel Tracking in Dynamic Environments

Jing-Chen Liu, Xiao-Gang Zang, and Xin-Bao Gong

Shanghai Jiao Tong University, China

A13-06, ISDA-2008-1364

Categorizing Heartbeats by Independent Component Analysis and Support Vector Machines

Kuan-To Chou and Sung-Nien Yu

Wu Feng Institute of Technology, Taiwan

A13-07, ISDA-2008-1553

Wavelet-based Bispectra for Motor Rotor Fault Detection

D.-M. Yang

Kao-Yuan University, Taiwan

A13-08, ISDA-2008-IS17-011

Security Enhancement of Ku-Wang Authenticated Key Agreement Protocol

Chin-Chen Chang and Jung-San Lee

Feng Chia University, Taiwan

A14

Soft-computing Technologies & Applications on IEM Intelligent Systems

Tien Tsai Huang, Lunghwa University of Science and Technology, Taiwan

Frantisek Zboril jr., Faculty of Information Technology, Czech

A14-01, ISDA-2008-IS04-004

Intelligent Stock Selecting via Bayesian Naive Classifiers on the Hybrid Use of Scientific and Humane Attributes

Tien-Tsai Huang and Chir-Ho Chang

Lung-Hua University of Science and Technology, Taiwan.

A14-02, ISDA-2008-IS04-006

Fuzzy Assessment for Sampling Survey Defuzzification by Signed Distance Method

Lily Lin and Huey-Ming Lee

China University of Technology, Taiwan

A14-03, ISDA-2008-1226

Reactive Planning with Weak Plan Instances

Frantisek Zboril, Vladimir Janousek, Radek Koci, and Zdenek Mazal

Brno University of Technology, Czech

A14-04, ISDA-2008-1285

The Design of a Quality Control System of PCB with SMT based on RFID and AOI

Shih-Che Lo and Bei-Ming Li

Taiwan University of Science and Technology, Taiwan

A14-05, ISDA-2008-1326

Architecture Centric Approach to Enhance Software Testing Management

Fu-Shiau Li, Wei-Ming Ma, and Architect Chao

Brogent Technologies, USA

A14-06, ISDA-2008-1565

FCM-based RBF Network in Identifying Concrete Slab Surface Cracks

Young-Woon Woo, Doo-Heon Song, and Kwang-Baek Kim

Dong-Eui University, Korea

A14-07, ISDA-2008-1508

Fault Diagnosis of Generator Based on D-S Evidence Theory

Qing-Dong Du , Jin Li, and Xiao Chen
Software College of Shenyang Normal University, China

A15

Multi-Agent Systems in E-Business: Concepts, Technologies and Applications

Maria Ganzha, Polish Academy of Sciences, Poland

Jian-Chao Zeng, Taiyuan University of Science and Technology, China

A15-01, ISDA-2008-WS03-0399

Deductive E-bargaining System

H. F. Lai, S. G. Chen, and W.-H. Jeng

United University, Taiwan

A15-02, ISDA-2008-WS03-0884

Self-Certified Proxy Convertible Authenticated Encryption Scheme

Han-Yu Lin, Tzong-Sun Wu, Ting-Yu Huang, and Yi-Shiung Yeh

Chiao Tung University, Taiwan

A15-03, ISDA-2008-1687

A Real Time Spatial/Temporal/Motion Integrated Surveillance System in Compressed Domain

Chen-Chiung Hsieh, Wei-Ru Lai, and Albert Chiang

Tatung University, Taiwan

A15-04, ISDA-2008-1399

Implementation of Wiki-based Knowledge Management Systems for Small Research Groups

Chia-Han Yang, Ming-Ying Wu, Chien-Min Lin and Don-Lin Yang

Feng Chia University, Taiwan

A15-05, ISDA-2008-1536

Design and Application of a Reconfigurable Embedded system

Ching-Biau Tzeng, Tzue-Shaang Wey, and Li-Dao Fang

Kun Shan University, Taiwan

A15-06, ISDA-2008-0227

Mobile Robot Path Planning base on the Hybrid Genetic Algorithm in Unknown Environment

Yong Zhang, Lin Zhang, and Xiao-Hua Zhang

School of Control Science and Engineering, University of Jinan, China

A15-07, ISDA-2008-0080

The Design and Implementation of Zero-Copy for Linux

Tian-Hua Liu, Hong-Feng Zhu, Gui-Ran Chang, and Chuan-Sheng Zhou

Shenyang Normal University, China

B01

Patten Recognition and Signal Process

O. Znamenshchykov, University of Paderborn, Germany

Hsiang-Cheh Huang, University of Kaohsiung, Taiwan

B01-01, ISDA-2008-1212

Predicting Protein-Protein Recognition Using Feature Vector

Huang-Cheng Kuo, Ping-Lin Ong, Jia-Jie Li, and Jen-Peng Huang

Chiayi University, Taiwan

B01-02, ISDA-2008-1572

PCA-Based Face Verification and Passport Code Recognition Using Improved FKCN Algorithm

Kwang-Baek Kim, Am-suk Oh, and Young Woon Woo

Silla University, Korea

B01-03, ISDA-2008-1646

An Approach for Achieving Self-Optimization in Mechatronic Systems Supported by Active Patterns

J. Gausemeier, O. Znamenshchykov, S. Oberthür, and H. Podlogar

University of Paderborn, Germany

B01-04, ISDA-2008-IS11-003

2D/3D Face Recognition Using Neural Networks Based on Hybrid Taguchi-Particle Swarm Optimization

Cheng-Jian Lin, Chen-Hsiang Chu, Chi-Yung Lee, and Ya-Tzu Huang

Chin-Yi University of Technology, Taiwan

B01-05, ISDA-2008-IS13-012

FFT-based Orientation Recognition Algorithm in Mirosot

Xian-Xiang Wu and Bao-Long Guo

ICIE Institute Xidian University, China

B01-06, ISDA-2008-1187

A Novel Template Protection Algorithm for Iris Recognition

Zhi-Fang Wang, Qi Han, Xia-Mu Niu, and Christoph Busch

Harbin Institute of Technology, China

B01-07, ISDA-2008-1722

Semi-supervised Laplacianfaces from Pairwise Constraints for Face Recognition

Na Wang and Xia Li

Shenzhen University, China

B02

Software Agent

Jim-Min Lin, Feng Chia University, Taiwan

Michal Wozniak, Wroclaw University of Technology, Poland

B02-01, ISDA-2008-IS15-001

An Efficient Forward and Backward Fault-Tolerant Mobile Agent System

Jong-Shin Chen, Hong-Da Shi, Ching-Mu Chen, Zeng-Wen Hong, and Pei-Lin Zhong
ChaoYang University of Technology, Taiwan

B02-02, ISDA-2008-IS15-002

Design of an IDML-based Interactive Agent Drama Authoring Tool

Tai-Hong Chen, Jim-Min Lin, Kai-Yi Chin, and Zeng-Wei Hong
Feng Chia University, Taiwan

B02-03, ISDA-2008-IS15-004

Applying Agent Composition for Development of Service-oriented Program Language

Jong-Yih Kuo, Frank Hsieh, and Ho-Chin Lin
Taipei University of Technology, Taiwan

B02-04, ISDA-2008-IS15-005

*Students' attention in Learning Process as a Research Domain: Software Agent
Promotes Human-Robot-Computer Interaction*

Sheng-Hui Hsu and Yueh-Min Huang
Cheng Kung University, Taiwan

B02-05, ISDA-2008-0451

Population Control for Multi-Agent Based Topical Crawlers

Alban Mouton and Pierre-Francois Marteau

VALORIA Universit'e de Bretagne Sud Universit'e Europ'eenne de Bretagne Vannes,
France

B02-06, ISDA-2008-1268

Detection Method Based on Reverse Proxy Against Web Flooding Attacks

Chu-Hsing Lin, Jung-Chun Liu, and Chih-Chieh Lien
Tunghai University, Taiwan

B02-07, ISDA-2008-0327

PNagent: a Framework for Modelling BDI Agents using Object Oriented Petri Nets

Zdeněk Mazal, Radek Kočič, Vladimír Janoušek, and František Zbořil

Brno University of Technology, Czech

B03

Fuzzy Applications

Bih-Yaw Shih, Pingtung University of Education, Taiwan

Chu-Fu Wang, Pingtung University of Education, Taiwan

B03-01, ISDA-2008-0425

Fuzzy Possibility C-Mean Based on Complete Mahalanobis Distance and Separable Criterion

Hsiang-Chuan Liu, Der-Bang Wu, Jeng-Ming Yih, and Shin-Wu Liu

Asia University, Taiwan

B03-02, ISDA-2008-IS11-007

Design of Self-Learning Fuzzy System by GA Approach

Shian-Tang Tzeng

Kao Yuan University, Taiwan

B03-03, ISDA-2008-1634

A Fuzzy Neural Network Based on Particle Swarm Optimization Applied in the Speech Recognition System

Xue-Ying Zhang, Ying Sun, Xiao-Mei Zhang, and Peng Wang

Taiyuan University of Technology, China

B03-04, ISDA-2008-0871

Nonlinear Function Approximation Based on Least Wilcoxon Takagi-Sugeno Fuzzy Model

Tsung-Ying Sun, Shang-Jeng Tsai, Cheng-Han Tsai, Chih-Li Huo, and Chan-Cheng Liu

Dong Hwa University, Taiwan

B03-05, ISDA-2008-1665

Tardiness in Fuzzy Flow Shop Scheduling Problems Based on Possibility and Necessity Measures

Peng-Jen Lai and Ming-Hung Shu

Kaohsiung Normal University, Taiwan

B03-06, ISDA-2008-1033

Facility Location Problem under Fuzzy Construction Cost and Preference of Candidate Sites

Hiroaki Ishii and Yung-Lung Lee
Osaka University, Japan

B03-07, ISDA-2008-0658

The Reform Schema and Usability of TD-SCDMA Smart Antenna

Hai-Yang Fu, Xiao-Chun Qu, and You-Cai Han

Nanjing University of Posts and Telecommunications, China

B04

Web-related Application and Information Retrieval

Chang-Won Park, Sungkyunkwan University, Korea

Junzo Watada, Waseda University, Japan

B04-01, ISDA-2008-IS15-003

The Study of Backup Mechanism for Web Services Based on MAS and Topic Maps

Feng-Chao Yang, Jin-Ling Liao, and Cheng-Li Chang

Da-Yeh University, Taiwan

B04-02, ISDA-2008-1440

Comparing Query Similarity Measures for Collaborative Web Search

Pavel Krömer, Václav Snášel, and Jan Platoš

Technical University of Ostrava, Czech

B04-03, ISDA-2008-0165

Ontology-Supported Focused-Crawler for Specified Scholar's Webpages

Sheng-Yuan Yang and Chun-Liang Hsu

St. John's University, Taiwan

B04-04, ISDA-2008-0493

A Renewed Matrix Model for XML Data

Jaroslav Pokorný, Jan Vávra, and Vaclav Snášel

Charles University, Czech

B04-05, ISDA-2008-1013

Adaptive Knowledge Retrieving on Mobile Grid

Yue-Shan Chang, Pei-Chun Shih, and Yu-Cheng Luo

Taipei University, Taiwan

B04-06, ISDA-2008-1453

Ontology Model for Multi-Relational Data Mining Application

Silvio Bortoleto and Nelson F. F. Ebecken

Federal University of Rio de Janeiro, Brazil

B04-07, ISDA-2008-IS06-002

An Efficient Data Retrieval Indexing Structure for Wireless Broadcasting System

Lien-Fa Lin and Chao-Chun Chen

Cheng-Kung University, Taiwan

B05

Poster Session (I)

P01-01, ISDA-2008-IS02-004

Object-Based Image Retrieval using Perceptual Grouping

Tian-Luu Wu and Ji-Hwei Horng

Kinmen Institute of Technology, Taiwan

P01-02, ISDA-2008-IS25-003

A DEA/AHP Approach to Efficiency Investigation for Taiwan's Retailing Industry via Financial Data Analysis

Ya-Fen Tseng, Shu-Chen Kao, Tzai-Zang Lee, and Chien-Hsing Wu

Cheng Kung University, Taiwan

P01-03, ISDA-2008-1098

Monitoring System for Vehicle Power Supply Based on CAN Bus

Sujing Wang, Lide Wang, Ping Shen, and Biao Liu

Beijing Jiaotong University, China

P01-04, ISDA-2008-0564

Verification of Mobile SMS Application with Model Checking Agent

Siti Dianah Abdul Bujang and Ali Selamat

Universiti Teknologi Malaysia, Malaysia

P01-05, ISDA-2008-0647

CCSDS Advanced Orbiting Systems, Data Links Protocol: Study on Virtual Channels Scheduling Algorithm

Qingli Liu, Cheng-Sheng Pan, Guoren Wang, and Wei Liu

Northeastern University, China

P01-06, ISDA-2008-0772

A Two-Stage Approach for AAM Fitting

Mingcai Zhou, Yangs-Heng Wang, Xiao-Yan Wang, and Xue-Tao Feng

Institute of Automation Chinese Academy of Sciences Beijing, China

P01-07, ISDA-2008-0856

Low Complexity Search Method for G.723.1 MP-MLQ Algorithm

R.-S. Lin, Y.-C. Chen, and F.-K. Chen

Southern Taiwan University, Taiwan

P01-08, ISDA-2008-0939

Sequential Quadratic Programming based on IPM for Constrained Nonlinear Programming

Ximing Liang, Hassan A. Bashir, and Shanchun Li
Central South University, China

P01-09, ISDA-2008-0948

A Scene Images Classification Method Based on Local Binary Patterns and Nearest-Neighbor Classifier

Guang Han and Chunxia Zhao
Nanjing University of Science and Technology, China

P01-10, ISDA-2008-0989

Application of Neural Network Techniques on Nonlinear Channel Equalization for 16-QAM Modulation Systems

Chun-Yi Lo and Wan-De Weng
Yunlin University of Science & Technology, Taiwan

P01-11, ISDA-2008-1064

An Evolutionary Classifier Based on Adaptive Resonance Theory Network II and Genetic Algorithm

I-En Liao, Shu-Ling Shieh, and Hui-Ching Chen
Chung-Hsing University, Taiwan

P01-12, ISDA-2008-WS02-0790

Applying Experimental Statistical Method for the Preparation of Nanometric-Sized $\text{LiNi}_{0.8}\text{Co}_{0.2}\text{O}_2$ Powders as a Cathode Material for Lithium Batteries

Ching-Shieh Hsieh, Hsin-Ya Huang, Hui-Ling Fang, and Wein-Duo Yang
Fooyin University, Taiwan

B06

Computer Network

Shing-Tai Pan, University of Kaohsiung, Taiwan

Xuan Wang, Harbin Institute of Technology Shenzhen Graduate School, China

B06-01, ISDA-2008-IS08-002

The Development of Enhanced Hash Mechanism for Improving Performance of IEEE 802.15.4

Bih-Yaw Shih and Jyun-Ying Tseng

Pingtung University of Education, Taiwan

B06-02, ISDA-2008-IS08-004

Efficient Deployment Algorithms for Prolonging Network Lifetime and Ensuring Coverage in Wireless Sensor Networks

Chu-Fu Wang and Shu-Chien Huang

Pingtung University of Education, Taiwan

B06-03, ISDA-2008-WS06-0597

A Collision Avoidance Protocol for Supporting All-optical Ring Network

Wen-Ping Chen, Shih-Wei Kau, Wen-Shyang Hwang, Bin-Yih Liao, and Wen-Tsung Hu

Kaohsiung University of Applied Science, Taiwan

B06-04, ISDA-2008-IS12-007

P2P Recommendation Trust Model

Xuan Wang and Lei Wang

Harbin Institute of Technology Shenzhen Graduate School, China

B06-05, ISDA-2008-0265

One/T-time Signatures using Self-certified Public Keys

Dai-Rui Lin, Chih-I Wang, and D.-J. Guan

Sun Yat-sen University, Taiwan

B06-06, ISDA-2008-0686

Untraceable Identity Management Framework for Mobile Access

Min-Chih Kao, Yi-Shiung Yeh, and Chuan-Chi Wang

Chiao-Tung University, Taiwan

B06-07, ISDA-2008-IS06-004

An Intelligent Monitoring System for Local-Area Network Traffic

Mong-Fong Horng and Ming-Han Wan

Kaohsiung University of Applied Sciences, Taiwan.

B07

Clustering, Classification and Database

Silvio Bortoleto, University Positivo, Brazil

Siti Mariyam Hj., University Teknologi Malaysia, Malaysia

B07-01, ISDA-2008-IS11-001

Unsupervised Clustering by Means of Hierarchical Differential Evolution Algorithm

Chih-Chin Lai, Pei-Fen Lee, and Pei-Yun Hsieh

University of Kaohsiung, Taiwan

B07-02, ISDA-2008-1244

Experiments with boosted decision tree classifiers

Michal Wozniak

Wroclaw University of Technology, Poland

B07-03, ISDA-2008-1376

Boosted Voting Scheme on Classification

Chien-Hsing Chen and Chung-Chian Hsu

Yunlin University of Science and Technology, Taiwan

B07-04, ISDA-2008-1305

Knowledge Management on Concept Structure Analysis with Weighted Polytomous Ordering Theory and Cluster Analysis

Yuan-Horng Lin, Shin-Yu Chang, and Sen-Chi Yu

Taichung University, Taiwan

B07-05, ISDA-2008-1491

Classifier Fusion Based on Weighted Voting-Analytical and Experimental Results

Michal Wozniak

Wroclaw University of Technology, Poland

B07-06, ISDA-2008-0274

A Modular Method for Estimating Null Values in Relational Database Systems

Shin-Jye Lee and Xiaojun Zeng

The University of Manchester, United Kingdom

B08

Computational Intelligence and Its Applications

Yong Zhang, University of Jinan, China

Ku Ruhana Ku-Mahamud, Universiti Utara Malaysia, Malaysia

B08-01, ISDA-2008-1434

On Genetic Algorithms for Boolean Matrix Factorization

V'aclav Sn'á'sel, Jan Plato's, and Pavel Kr'omer

Technical University of Ostrava, Czech

B08-02, ISDA-2008-IS13-009

Convergence Analysis of PSO inspired by r- and K-selection

Yunyi Yan and Bao-Long Guo

Xidian University, China

B08-03, ISDA-2008-0103

Inertia-Adaptive Particle Swarm Optimizer for Improved Global Search

Kaushik Suresh, Sayan Ghosh, Debarati Kundu, Abhirup Sen, Swagatam Das, and Ajith Abraham

Jadavpur University, India

B08-04, ISDA-2008-1746

DNA Computing and Its Applications

Junzo Watada and Rohani binti abu Bakar

Waseda University, Japan

B08-05, ISDA-2008-0056

Ant System Algorithm with Negative Pheromone for Course Scheduling Problem

Djasli Djamarus and Ku Ruhana Ku-Mahamud

Trisakti University, Indonesia

B08-06, ISDA-2008-1728

Solving TSP with Shuffled Frog-Leaping Algorithm

Xue-Hui Luo, Ye Yang, and Xia Li

Shenzhen University, China

B08-07, ISDA-2008-1705

An Improved PSO with Time-Varying Accelerator Coefficients

Zhi-Hua Cui, Jian-Chao Zeng, and Yu-Feng Yin
Taiyuan University of Science and Technology, China

B09

Watermarking and Signal Processing

Aboul Ella Hassanien, College of Business Administration, Kuwait

Hsiang-Cheh Huang, University of Kaohsiung, Taiwan

B09-01, ISDA-2008-IS13-005

Robust Image Watermarking Using Mean Quantization in DTCWT Domain

Bao-Long Guo, Lei-Da Li, Jeng-Shyang Pan, Liu Yang, and Xiao-Yue Wu

Xidian University, China

B09-02, ISDA-2008-IS08-003

The Image Watermarking Technique Using Visual Secret Sharing Strategy

Shu-Chien Huang and Chu-Fu Wang

Pingtung University of Education, Taiwan

B09-03, ISDA-2008-0146

A Novel Image Authentication and Recovery Method for Applications of Image Sharing

Chiang-Lung Liu

Defense University Tahsi, Taiwan

B09-04, ISDA-2008-WS06-0356

Image Hiding with an Improved Genetic Algorithm and an Optimal Pixel Adjustment Process

Lin-Yu Tseng, Yung-Kuan Chan, Yu-An Ho, and Yen-Ping Chu

Chung Hsing University, Taiwan

B09-05, ISDA-2008-1042

Multi-user Signals Combined with Quadratic Residue Code for Monitoring System

Chien-Jung Ho, Wen-Hao Hsieh, and Gwo-Jia Jong

Kaohsiung University of Applied Sciences, Taiwan

B09-06, ISDA-2008-1317

State Estimation of ALV Integrated Navigation System Based on BP Neural Network

Mei-Ling Wang and Yong-Wei Fu

Beijing Institute of Technology, China

B09-07, ISDA-2008-IS06-001

A Novel Fitness Function in Genetic Algorithms to Optimize Neural Networks for Imbalanced Data Sets

Kuan-Chieh Huang, Yau-Hwang Kuo, and I-Cheng Yeh
Chen-Kung University, Taiwan

B10

Poster Session (II)

P02-01, ISDA-2008-IS04-005

The Neural Network Algorithm for Data-Mining in Dynamic Environments

Ching-Lien Huang, Tsung-Shin Hsu, and Chih-Ming Liu

Tsing Hua University, Taiwan

P02-02, ISDA-2008-IS13-003

A Novel Algorithm for Object Tracking with Particle Filtering and GVF-snake

Chun-Li Dong and Yu-Ning Dong

Nanjing University of Posts and Telecommunications, China

P02-03, ISDA-2008-IS13-004

Anomaly Detection in Computer Networks using Dissimilarity-Based One-Class Classifiers

Jun Ma and Guan-Zhong Dai

Northwestern Polytechnical University, China

P02-04, ISDA-2008-WS01-1171

A Face Image Database for Evaluating Out-of-Focus Blur

Qi Han, Meihui Zhang, Chen Song, Zhi-Fang Wang, and Xia-Mu Niu

Harbin Institute of Technology, China

P02-05, ISDA-2008-WS01-1181

Digital Watermark for 3D Face Model Authentication and EER Performance Analysis

Wen-Jun Huang, Xia-Mu Niu, Wei Song, and Mei-Yu Lu

Harbin Institute of Technology, China

P02-06, ISDA-2008-0040

Improving the Efficiency of Forward Checking Algorithm for Solving Constraint Satisfaction Problems

Yusef Farhang, M.R. Meybodi, and A.R. Hatamlou

Islamic Azad University, Iran

P02-07, ISDA-2008-0076

A Fast Elastic Net Method for Traveling Salesman Problem

Junyan Yi, Weixing Bi, Gang Yang, and Zheng Tang

University of Toyama, Japan

P02-08, ISDA-2008-0386

Neural Network for Routing in a Directed and Weighted Graph

Mehran Ghaziasgar and Armin Tavakoli Naeini

Islamic Azad University of Majlesi, Iran

P02-09, ISDA-2008-0457

A Dynamic Weighting Scheme for Providing Fair Communication Service to Nomadic Agents

Sang-Won Rhee, Kyu-Yeong Jeon, Sung-Keun Song, Hyung-Su Lee, and Hee-Yong Youn

Sungkyunkwan University, Korea

P02-10, ISDA-2008-0609

Segmentation of Brain Internal Structures Automatically Using Non-Rigid Registration with Simultaneous Intensity and Geometric Match

Xiangbo Lin, Tianshuang Qiu, Su Ruan, and Morain-Nicolier Frederic

Dalian University of Technology, China

P02-11, ISDA-2008-0979

Automatic Learning of Semantic Region Models for Event Recognition

Lei Gao, Chao Li, Yi Guo and Zhang Xiong

Beihang University, China

B11

Image Processing

Bao-Long Guo, Xidian University, China

Russell J. Abbott, California State University, USA

B11-01, ISDA-2008-WS06-1526

A GA-based Image Halftoning Technique

Chih-Cheng Lo, Yi-Ting Chen, Shu-Chuan Chu, and Jeng-Shyang Pan

Kaohsiung University of Applied Science, Taiwan

B11-02, ISDA-2008-IS13-010

A Statistical Speckle Suppression Algorithm for Underwater Laser Image based on Nonsampled Contourlet Transform

Liu Yang, Bao-Long Guo, and Wei Ni

Xidian University, China

B11-03, ISDA-2008-0751

Estimation of Skin Color Range using Achromatic Features

Wen-Hung Liao and Yu-Hao Chi

Chengchi University, Taiwan

B11-04, ISDA-2008-1294

A High Performance Filter Based on Statistic Methods for Image Processing

Pao-Ta Yu, Yui-Lang Chen, and Bae-Muu Chang

Chung Cheng University, Taiwan

B11-05, ISDA-2008-IS13-011

A Panoramic Image Stabilization System based on Block Motion Iteration

Juan-Juan Zhu and Bao-Long Guo

ICIE Institute Xidian University, China

B11-06, ISDA-2008-1309

Wavelet-based Image Fusion by Adaptive Decomposition

Yao-Hong Tsai and Yen-Han Lee

Hsuan Chuang University, Taiwan

B11-07, ISDA-2008-IS13-013

Robust Object Tracking via Hierarchical Particle Filter

Wei Sun and Bao-Long Guo
Xidian University, China

B12

Control and Signal Processing

Shing-Tai Pan, University of Kaohsiung, Taiwan

Arturo I Concepcion, California State University, USA

B12-01, ISDA-2008-0757

Petri net based Synthesis method to construct Optimal controllers and its application to a Jobshop scheduling

Eun Joo Lee, In-Jae Jeong, and Jeehyoung Lee

Hanyang University, Korea

B12-02, ISDA-2008-0389

Design and Simulation of a Sliding Mode Controller for Reducing Radial Vibration of an Eccentric Rotor Equipped with an Automatic Dynamic Balancer

Chun-Lung Huang

Chung Chou Institute of Technology, Taiwan

B12-03, ISDA-2008-0674

An Embedded Fuzzy Type-2 Controller Based Sensor Behavior for Mobile Robot

Siti Nurmaini and Siti Zaiton Mohd Hashim

University of Sriwijaya, Indonesia

B12-04, ISDA-2008-IS11-005

Design of Fractional PID Control via Hybrid of Electromagnetism-like and Genetic Algorithms

Fu-Kai Chang and Ching-Hung Lee

Yuan Ze University, Taiwan

B12-05, ISDA-2008-IS11-006

The Application of Genetic Algorithm on Control of Discrete Multiple Time-Delay Singularly Perturbation Systems

Shin-Jang Pan and Jason S.-H. Tsai

Cheng-Kung University, Taiwan

B12-06, ISDA-2008-0786

Equivalence between Weight Decay Learning and Explicit Regularization to Improve Fault Tolerance of RBF

John Sum, Wun-He Luo, Yung-Fa Huang, and You-Ting Jheng

Chung Hsing University, Taiwan

B12-07, ISDA-2008-IS11-008

Differential Evolution Algorithm on Robust IIR Filter Design and Implementation

Shing-Tai Pan, Bo-Yu Tsai, and Chao-Shun Yang

University of Kaohsiung, Taiwan

B13

Signal Processing (I)

Xuan Wang, Harbin Institute of Technology Shenzhen Graduate School, China

Yong Zhang, Harbin Institute of Technology Shenzhen Graduate School, China

B13-01, ISDA-2008-IS08-001

A Scanning Method for Dotted Data Matrix

Yuan-Fei Cheng

Meiho Institute of Technology, Taiwan

B13-02, ISDA-2008-0945

A Hybrid Feature Selection Mechanism

Hui-Huang Hsu, Cheng-Wei Hsieh , and Ming-Da Lu

Tamkang University, Taiwan

B13-03, ISDA-2008-IS11-002

Support Vector Regression for GDOP

Wei-Han Su and Chih-Hung Wu

Shu-Te University, Taiwan

B13-04, ISDA-2008-0435

Compute the Term Contributed Frequency

Cheng-Lung Sung, Hsu-Chun Yen, and Wen-Lian Hsu

Taiwan University, Taiwan

B13-05, ISDA-2008-0762

Rescheduling for Manufacturing Based on Ontology and Problem Solving Method

Muhammad Firdaus B. Mustapha and Safaai B. Deris

Universiti Teknologi Malaysia, Malaysia

B13-06, ISDA-2008-1472

Evaluation of Automatic Text Summarization Methods Based on Rhetorical Structure Theory

Vinícius Rodrigues Uzêda, Thiago Alexandre Salgueiro Pardo, Maria das Graças

Volpe Nunes

Universidade de São Paulo, Brazil

B13-07, ISDA-2008-1152

GM (1, 1) and DEA Application Model for Strategic Alliance in Taiwan

Chia-Nan Wang and Ya-Ru Lee

Kaohsiung University of Applied Sciences, Taiwan

B13-08, ISDA-2008-1203

An Exploratory Study on Malay Processing Tool for Acquisition of Taxonomy Using FCA

Mohd Zakree Ahmad Nazri, Siti Mariyam Shamsudin, and Azuraliza Abu Bakar

Universiti Kebangsaan Malaysia, Malaysia

B14

Signal Processing (II)

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

Michal Wozniak, Wroclaw University of Technology, Poland

B14-01, ISDA-2008-0430

Heuristics for Dynamic Lot-Sizing with Plan Setup Cost in a Rolling Horizon Environment

Yooseong Choi and In-Jae Jeong

Hanyang University, Korea

B14-02, ISDA-2008-0112

Spider Search: an Efficient and Non-Frontier-Based Real-Time Search Algorithm

Chao-Lin Chu, Russell J. Abbott, and Debora K. Shuger

California State University, USA

B14-03, ISDA-2008-0506

H-Index Analysis of Enron Corpus

Václav Snášel, Jiří Dvorský, Anton Timofieiev, and Jaroslav Pokorný

Technical University of Ostrava, Czech

B14-04, ISDA-2008-0070

A Study on the Applications of Learning Paths Concepts to the Teaching in Elementary School

Huan-Ming Chuang and Chia-Cheng Shen

Yunlin University of Science and Technology, Taiwan

B14-05, ISDA-2008-IS12-008

Risk Dominance Strategy in Imperfect Information Multi-Player Game

Xuan Wang, Jia-Jia Zhang, Xin-Xin Xu, and Zhao-Yang Xu

Harbin Institute of Technology Shenzhen Graduate School, China

B14-06, ISDA-2008-1387

An Efficient Heuristic for Minimizing Maximum Lateness on Parallel Batch Machines

Tsung-Che Chiang, Hsueh-Chien Cheng, and Li-Chen Fu

Taiwan University, Taiwan

B15

Poster Session (III)

P03-01, ISDA-2008-IS10-001

Robust Image Hashing for Image Authentication Based on DCT-DWT Composite Domain

Rui-Xin Zhan, K.-Y. Chau, Zhe-Ming Lu, Bei-Bei Liu, and W.-H. Ip
Sun Yat-Sen University, China.

P03-02, ISDA-2008-IS10-002

Comments on "A Semi-blind Digital Watermarking Scheme Based on Singular Value Decomposition"

Ting-Xian Zhang, Wei-Min Zheng, Zhe-Ming Lu, and Bei-Bei Liu
Sun Yat-sen University, China

P03-03, ISDA-2008-IS12-002

A High Efficiency protocol for reporting integrity measurements

Chao-Wen Chang, Rong-Yu He, Hui Xie, and Guo-Yu Xu
Xi'an Jiaotong University, China

P03-04, ISDA-2008-0032

A Distributed Algorithm for 0-1 Knapsack Problem Based on Mobile Agent

Shan-Ping Qiao, Shi-Xian Wang, Yong-Zheng Lin, and Ling Zhao
University of Jinan, China

P03-05, ISDA-2008-0287

Research on Solar Photovoltaic Surveillance System Base on Network

Li-De Jun, Liu Jie, and Tian-Yu Kang
Wu Han University of Science and Engineering, China

P03-06, ISDA-2008-0419

Fuzzy Logic Controllers for a Seismic Isolation System with Variable Friction Damper

Ging-Long Lin and Lyan-Ywan Lu
Kaohsiung First University of Science and Technology, Taiwan

P03-07, ISDA-2008-0531

Enhance Term Weighting Algorithm as Feature Selection Technique for Illicit Web

Content Classification

Zhi-Sam Lee, Mohd Aizaini Maarof, Ali Selamat, and Siti Mariyam Shamsuddin
Universiti Teknologi Malaysia, Malaysia

P03-08, ISDA-2008-0813

Multi-scale Entropy Based Traffic Analysis and Anomaly Detection

Ruo-Yu Yan and Qing-Hua Zheng
Xi'an Jiaotong University, China

P03-09, ISDA-2008-0985

Intelligent Control for Principal Axis of Variable Vector Propeller of Submersible Vehicle

Sheng Liu and Dong-Hao Xu
University of Harbin Engineering, China

P03-10, ISDA-2008-1522

Neural Network Integration Fusion Model and Application

Xiao-Dan Zhang and Zhen-Dong Niu
Beijing Institute of Technology, China

P03-11, ISDA-2008-1709

A Kind of Parallel Reference Frame Display Control Algorithm

Bo-Wen Fu, Wen-He Zhang, and Lian-Qiang Niu
Shenyang University of Technology, China

P03-12, ISDA-2008-1712

A Moving Objects Detection Algorithm Based on Improved Background Subtraction

Lian-Qiang Niu and Nan Jiang
Shenyang University of Technology, China

C01

Digital Crime, Forensics and E-Commerce Security

Der-Chyuan Lou, Defense University, Taiwan

Chia-Long Wu, Air Force Institute of Technology, Taiwan

Wei-Bin Lee, Feng Chia University, Taiwan

C01-01, ISDA-2008-IS14-002

A Model for a Distance Learning System over the Internet

Alessandro Brawerman, Cícero F. Marques, and Rafael Ribeiro Macedo

Positivo University, Brazil

C01-02, ISDA-2008-IS14-003

E-Business Model Approach to Determine Models to Datawarehouse

Diego Alex Harmatiuk, Silvio Bortoleto, Wesley Pereira de Oliveira, Durval Neto,
and Everson Volaco

Positivo University, Brazil

C01-03, ISDA-2008-IS20-002

A Reversible Steganographic Algorithm for Point-Sampled Geometry

Peng-Cheng Wang, Kuo-Chin Wu, and Chung-Ming Wang

Hsiu Ping Institute of Technology, Taiwan

C01-04, ISDA-2008-IS20-004

An Ordered Multi-Proxy Multi-Signature Scheme

Min-Shiang Hwang, Shiang-Feng Tzeng, and Shu-Fen Chiou

Chung Hsing University, Taiwan

C01-05, ISDA-2008-0743

Reversible watermarking Based on the Invariant Sum Value

Shao-Wei Weng, Yao Zhao, Jeng-Shyang Pan, and Ron-Grong Ni

Beijing Jiaotong University, China

C01-06, ISDA-2008-0574

Intelligent Aging Estimation Method for Lead-Acid Battery

Yu-Hua Sun, Hurng-Liahng Jou, and Jinn-Chang Wu

Kaohsiung University of Applied Sciences, Taiwan

C01-07, ISDA-2008-IS17-002

A Customer Privacy Protection Protocol on Agent-based Electronic Commerce Transaction

Yu-Yi Chen, Jun-Chao Lui, and Shin-I Chen

Chung-Hsing University, Taiwan

C01-08, ISDA-2008-IS17-003

A Fair-use DRM System based on Web Service

Yu-Yi Chen, Yao-Jen Wang, and Cheng-Jie Chen

Chung-Hsing University, Taiwan

C02

Intelligent Adaptive System (I)

Siti Shamsuddin, Universiti Teknologi Malaysia, Malaysia

Siti Zaiton Mohd Hashim, Universiti Teknologi Malaysia, Malaysia

C02-01, ISDA-2008-WS07-0580

Combining Clustering and Bayesian Network for Gene Network Inference

Suhaila Zainudin and Safaai Deris

Universiti Kebangsaan Malaysia, Malaysia

C02-02, ISDA-2008-WS07-0591

A Sort-based DBA Algorithm for EPON System

Wen-Ping Chen, Shih-Wei Kau, Bin-Yih Liao, Wen-Shyang Hwang, and Wen-Tsung Hu

Kaohsiung University of Applied Science, Taiwan

C02-03, ISDA-2008-WS07-0603

Immune Network for Classifying Heterogeneous Data

Mazidah Puteh, Abdul Razak Hamdan, Khairuddin Omar, and Azuraliza Abu Bakar

Universiti Teknologi MARA, Malaysia

C02-04, ISDA-2008-WS07-0606

Application of Grey Relational Analysis for Multivariate Time Series

Roselina Sallehuddin, Siti Mariyam Hj. Shamsuddin, and Siti Zaiton Mohd Hashim

Universiti Teknologi Malaysia, Malaysia

C02-05, ISDA-2008-WS07-0633

An Agent Based Rough Classifier for Data Mining

Azuraliza Abu Bakar, Zulaiha Ali Othman, Abdul Razak Hamdan, Rozianiwati Yusof, and Ruhaizan Ismail

Universiti Kebangsaan Malaysia, Malaysia

C02-06, ISDA-2008-1601

Backward-Forward Combined Convolutional Blind Source Separation

Xiaoyue Jiang, Hichem Sahli, Werner Verhelst, and Yanning Zhang

Vrije Universiteit Brussel, Belgium

C03

Machine Learning, Evolutionary Computation and Their Applications

Ikuko Nishikawa, Ritsumeikan University, Japan

Yen-Wei Chen, Ritsumeikan University, Japan

C03-01, ISDA-2008-IS22-001

Genetics-Based Machine Learning Approach for Rule Acquisition in an AGV Transportation System

Kazutoshi Sakakibara, Yoshiro Fukui, and Ikuko Nishikawa

Ritsumeikan University, Japan

C03-02, ISDA-2008-IS22-002

Effective Integration of Imitation Learning and Reinforcement Learning by Generating Internal Reward

Keita Hamahata, Tadahiro Taniguchi, Kazutoshi Sakakibara, Ikuko Nishikawa, Kazuma Tabuchi, and Tetsuo Sawaragi

Ritsumeikan University, Japan

C03-03, ISDA-2008-IS22-003

Multimodal Medical Image Registration Using Particle Swarm Optimization

Yen-Wei Chen, Chen-Lun Lin, and Aya Mimori

Central South University of Forestry and Tech., China

C03-04, ISDA-2008-IS22-004

A Heuristic Decoding Method for Coded Images of Uniformly Redundant Array

Shinya Nozaki, Shinsuke Fujioka, and Yen-Wei Chen

Okinawa National College of Technology, Japan

C03-05, ISDA-2008-IS22-006

3D Function Approximation with rGCS Classifier System

Łukasz Cielecki and Olgierd Unold

Wroclaw University of Technology, Poland

C03-06, ISDA-2008-0809

A Novel Prediction Algorithm of Thermostable Proteins by Using Hurst Exponent and Choquet Integral Regression Model

Hsiang-Chuan Liu, Yu-Chieh Tu, Bai-Cheng Jeng, and Tung-Sheng Liu

Asia University, Taiwan

C03-07, ISDA-2008-0665

Research on the Reciprocity of Transceiver in the Smart Antenna Application

Haiyang Fu, Peng Gao, and Haibao Ding

Nanjing University of Posts and Telecommunications, China

C04

Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography

Chia-Chen Lin, Providence University University, Taiwan
Werner Verhelst, Vrije Universiteit Brussel, Belgium

C04-01, ISDA-2008-IS19-001

Color Visual Cryptography Scheme Using Meaningful Shares

Hsien-Chu Wu, Hao-Cheng Wang, and Rui-Wen Yu
Taichung Institute of Technology, Taiwan

C04-02, ISDA-2008-IS19-002

Robustness of Structure-based Watermark by Using Balanced Incomplete Block Designs

Zhi-Fang Yang and Mong-Shu Wu
Taipei University, Taiwan

C04-03, ISDA-2008-IS19-003

A High Quality Histogram Shifting Based Embedding Technique for Reversible Data Hiding

Wien Hong, Chih-Wei Shiu, and Tung-Shou Chen
Yu Da College of Business, Taiwan

C04-04, ISDA-2008-1114

Mining Region-based Movement Patterns for Energy-Efficient Object Tracking in Sensor Networks

Vincent S. Tseng, Ming-Hua Hsieh, and Kawuu W. Lin
Cheng Kung University, Taiwan

C04-05, ISDA-2008-1415

A Novel Algorithm for Completely Hiding Sensitive Association Rules

Chih-Chia Weng, Shan-Tai Chen, and Hung-Che Lo
Defense University, Taiwan

C04-06, ISDA-2008-1513

Lossless and Lossy Image Secret Sharing for Data Transmission

Fa-Xin Yu, Hao Luo, Jeng-Shyang Pan and Zhe-Ming Lu
Zhejiang University, China

C05

Poster Session (IV)

P04-01, ISDA-2008-IS12-001

A Stressed Syllable Labeling Approach using Fractal Dimensions

Qing-Cai Chen, Dan-Dan Wang, and Xiao-Long Wang

Harbin Institute of Technology Shenzhen Graduate School, China

P04-02, ISDA-2008-0025

Unknown Malicious Executable Defection

Yin-Gxu Lai

Beijing University of Technology, China

P04-03, ISDA-2008-0338

A novel Algorithm for Weighted-Fair Rate Control in Wireless Sensor Network

Lufeng Mo and Yueyun Shen

Zhejiang Forestry University, China

P04-04, ISDA-2008-0689

Research on Properties of Max-Product Fuzzy Associative Memory Networks

Shui-Ling Zeng, Jing-Yu Yang, and Wei-Hong Xu

Nanjing University of Science and Technology, China

P04-05, ISDA-2008-0776

Pattern Optimization and the Application in Question Answering

Yongping Du and Ming He

Beijing University of Technology, China

P04-06, ISDA-2008-0819

A Cyclic Coding Based Perceptual Hashing Algorithm

Hui Zhang, Yanan Wang, and Xia-Mu Niu

Harbin Institute of Technology Shenzhen Graduate School, China

P04-07, ISDA-2008-1093

Control Strategy of Dynamic Leontief Input-output Model

Xiumei Wu and Lei Jiang

Shanghai Second Polytechnic University, China

P04-08, ISDA-2008-1131

Reversible Watermarking for Compressed Speech

Ming-Yu Li, Yu-Hua Jiao, and Xia-Mu Niu

Harbin Institute of Technology, China

P04-09, ISDA-2008-1136

Key-Dependent Compressed Domain Audio Hashing

Yu-Hua Jiao, Min-Gyu Li, Qiong Li, and Xia-Mu Niu

Harbin Institute of Technology, China

P04-10, ISDA-2008-1680

The Synchronous Drive System in Gantry-Moving Milling Machine Based on Dynamic Compensation and Fuzzy Control

Yis-han Gong and Na Qian

Shenyang University of Technology, China

P04-11, ISDA-2008-1312

Chattering-Free Fuzzy Sliding Mode Control Strategy for Uncertain Discrete Systems with Input Saturation

Lin-Sheng Li and Jian-Ning Li

Taiyuan University of Science and Technology, China

P04-12, ISDA-2008-IS21-002

Solving Bilevel Toll Assignment Problem by Penalty Function Algorithm

Vyacheslav V. Kalashnikov, Nataliya I. Kalashnykova, and José Fernando Camacho Vallejo

ITESM, Campus Monterrey, Mexico

P04-13, ISDA-2008-IS21-003

Inexact Newton Algorithm to Solve Nonlinear Complementarity Problems

Nataliya I. Kalashnykova, Vyacheslav V. Kalashnikov, and Aar'on Ar'evalo Franco
Autonomous University of Nuevo Le'on (UANL), Mexico

P04-14, ISDA-2008-IS21-004

Liberalization of Mexican Electricity Market: Various Modeling Approaches with Numerical Simulation Results

Vitaly V. Kalashnikov, Nataliya I. Kalashnykova, Felipe de Jesús Castillo Pérez,
Armando César Uranga Sifuentes, and Claudia Mayela Avila Garza

FICA UJED, Gómez Palacio, Mexico

C06

E-Commerce Security

Wei-Bin Lee, Feng Chia University, Taiwan

Shusaku Tsumoto, Shimane University, Japan

C06-01, ISDA-2008-IS03-004

Efficient Authentication Schemes for Handover in Mobile WiMAX

Hung-Min Sun, Shih-Ying Chang, Yue-Hsun Lin, and Shin-Yan Chiou

Tsing Hua University, Taiwan

C06-02, ISDA-2008-IS17-004

The Essential Design Principles of Verifiable Non-Interactive OT Protocols

Ya-Fen Chang and Wei-Cheng Shiao

Taichung Institute of Technology, Taiwan

C06-03, ISDA-2008-IS17-005

An Exchangeable E-Cash Scheme by E-mint

Jung-Wen Lo, Min-Shiang Hwang, and Yen-Ping Chu

Chung Hsing University, Taiwan

C06-04, ISDA-2008-IS17-006

Multiple-Image Encryption by Rotating Random Grids

Tzung-Her Chen, Kai-Hsiang Tsao, and Kuo-Chen Wei

Chiayi University, Taiwan

C06-05, ISDA-2008-IS25-007

Hospital Management based on Data Mining

Shusaku Tsumoto and Shoji Hirano

Shimane University, Japan

C06-06, ISDA-2008-1105

Efficient Mining of Frequent Closed Itemsets without Closure Checking

Chih-Hsien Lee, Don-Lin Yang, Jungpin Wu, Kuo-Cheng Yin

Feng Chia University, Taiwan

C06-07, ISDA-2008-1156

*An Efficient Approximate Approach to Mining Frequent Itemsets Over High Speed
Transactional Data Streams*

Kuen-Fang Je, Chao-Wei Li, and Tsui-Ping Chang
Chung-Hsing University, Taiwan

C07

Intelligent Adaptive System (II)

Siti Shamsuddin, Universiti Teknologi Malaysia, Malaysia

Siti Zaiton Mohd Hashim, Universiti Teknologi Malaysia, Malaysia

C07-01, ISDA-2008-WS07-0258

Constructing Intelligent Living Space Controlling System with Bluetooth and Speech-Recognition Microprocessor

Chun-Liang Hsu and Sheng-Yuan Yang

St. John's University, Taiwan

C07-02, ISDA-2008-WS07-0512

Bounded PSO Vmax Function in Neural Network Learning

Y.S. Lee, S.M. Shamsuddin, and H.N Hamed

University Technology Malaysia, Malaysia

C07-03, ISDA-2008-WS07-0525

Rough Set Granularity in Mobile Web Pre-Caching

Sarina Sulaiman, Siti Mariyam Shamsuddin, Ajith Abraham, and Shahida Sulaiman

Universiti Teknologi Malaysia, Malaysia

C07-04, ISDA-2008-WS07-0535

Application of Polynomial Neural Networks to Exchange Rate Forecasting

R. Ghazali, A. J. Hussain, and M. N. Mohd. Salleh

Universiti Tun Hussein Onn Malaysia, Malaysia

C07-05, ISDA-2008-WS07-0543

FPGA-Realization of Adaptive Fuzzy Controller for the Linear X-Y Table

Ying-Shieh Kung, Le-Thi Van Anh, and Shin-Hung Jou

Southern Taiwan University, Taiwan

C07-06, ISDA-2008-WS07-0552

Performance Comparison of ADRS and PCA as a Preprocessor to ANN for Data Mining

Nicholas Navaroli, David Turner, Arturo I Concepcion, and Robert S Lynch

Engineering California State University, USA

C07-07, ISDA-2008-0290

A New Support Vector Machine with Fuzzy Hyper-plane and Its Application to Evaluate Credit Risk

Pei-Yi Hao, Min-Shiu Lin, and Lung-Biao Tsai

Kaohsiung University of Applied Sciences, Taiwan

C07-08, ISDA-2008-1431

The Self-Organizing Map applying the "Survival of the Fittest Type" Learning Algorithm

Junko Shibata, Koji Okuhara Shogo Shiode, and Hiroaki Ishii

Kobe Gakuin University, Japan

C07-09, ISDA-2008-1532

Microcomputer Based Smart Engine Ignition Control System for Motorcycles

Ching-Biau Tzeng, Tzue-Shaang Wey, and Tsung-Yu Su

Kun Shan University, Taiwan

C07-10, ISDA-2008-1037

Fuzzy Crashing Problem on Project management Based on Confidence-Interval Estimates

Feng-Tse Lin

Chinese Culture University, Taiwan

C08

Intelligent Video Processing

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

Fumiaki Takeda, Kochi University of Technology, Japan

C08-01, ISDA-2008-IS24-001

Face Recognition Based on Digital Curvelet Transform

Yi-Chun Lee and Chin-Hsing Chen

Cheng Kung University, Taiwan

C08-02, ISDA-2008-IS24-002

Subpixel Edge Location Using Orthogonal Fourier-Mellin Moments Based Edge Location Error Compensation Model

Wen-Chia Lee and Chin-Hsing Chen

Cheng Kung University, Taiwan

C08-03, ISDA-2008-IS24-003

A Watermarking Method for Still Images Using Modified Code Division Multiple Access

Ji-Hong Chen, Chin-Hsing Chen, and Wen-Yuan Chen

Cheng Kung University, Taiwan

C08-04, ISDA-2008-IS24-004

A Fast and Stable Superresolution Reconstruction Method for Compressed Video Sequences

Hsi-Kuan Chen, Chin-Hsing Chen, and Shih-Jen Wang

Cheng Kung University, Taiwan

C08-05, ISDA-2008-0106

A New Multi Criteria Aid Model for Process Piloting using Case-Based Reasoning

Dhouib Diala, Addouche Sid-Ali, Elmhamedi Abderahman, and Chabchoub Habib

Institut Supérieur de Gestion Industrielle de Sfax, France

C08-06, ISDA-2008-1028

An Edge-Recovery-based Error Concealment Method for Video

Ji-Feng Sun, Wen-Kai Huang, and Zhi-Yong Zhang

South China University of Technology, China

C08-07, ISDA-2008-1640

Development of a Portable Automatic Inspection System for Printed Labels Using a Web Camera

Yuhki Shiraishi and Fumiaki Takeda

Kochi University of Technology, Japan

C09

Intelligent Watermarking Techniques, Image Authentication And Visual Cryptography

Chia-Chen Lin, Providence University University, Taiwan

David Powers, Flinders University of South Australia, Australia

C09-01, ISDA-2008-1684

Suffix Tree Based Approach for Chinese Information Retrieval

Jin-Hu Huang and David Powers

Flinders University of South Australia, Australia

C09-02, ISDA-2008-IS19-004

Efficient Image Recovery Based on Self-Embedding

Yuan-Liang Tang, Chin-Feng Lee, and Huai-En Lee

Chaoyang University of Technology, Taiwan

C09-03, ISDA-2008-IS19-005

Tamper Detection of Relational Database Based on SVR Predictive Difference

Hsien-Chu Wu, Fang-Yu Hsu, and Hwang-Yu Chen

Taichung Institute of Technology, Taiwan

C09-04, ISDA-2008-IS19-006

A Blind Associative Watermarking Technique using Self-Embedding

Chin-Feng Lee and Tsung-Chia Yang

Chaoyang University of Technology, Taiwan

C09-05, ISDA-2008-0890

Optimal Tuning of Pi Speed Controller Using Nature Inspired Heuristics

Millie Pant, Radha Thangaraj, and Ajith Abraham

Indian Institute of Technology Roorkee, India

C09-06, ISDA-2008-1420

A Novel Anti-Data Mining Technique Based On Hierarchical Anti-Clustering (HAC)

Tung-Shou Chen, Jeanne Chen, Yuan-Hung Kao, and Tsang-Chou Hsieh

Taichung Institute of Technology, Taiwan

C09-07, ISDA-2008-1517

Robust and Progressive Color Image Visual Secret Sharing Cooperated with Data

Hiding

Hao Luo, Fa-Xin Yu, Jeng-Shyang Pan, and Zhe-Ming Lu

Zhejiang University, China

C09-08, ISDA-2008-IS20-003

Secret Sharing Scheme with Non-Expansible Shadow Size for Color Images

Chia-Chen Lin and Wen-Xiu Zhang

Providence University, Taiwan

C10

Poster Session (V)

P05-01, ISDA-2008-IS12-006

Research on Access Control Based on Certainty Factor

Rong-Yu He, Jian-Chun Yin, and Chao-Wen Chang

Xi'an Jiaotong University, China

P05-02, ISDA-2008-IS21-001

Generation of Permutations Based Upon Factorial Numbers

Alexei A. Borisenko, Igor A. Kulik, and O. E. Goryachev

Sumy State University, Ukraine

P05-03, ISDA-2008-0134

A Fuzzy Temporal Model and Query Language for FTER Databases

Liguo Deng, Zhi-Heng Liang, and Yong Zhang

Shenyang Normal University, Shenyang, China

P05-04, ISDA-2008-0569

E-business Social Network Optimization and Visualization

Siti Nurkhadijah Aishah Ibrahim, Ali Selamat, and Mohd Hafiz Selamat

Universiti Teknologi Malaysia, Malaysia

P05-05, ISDA-2008-0639

Research on the Architecture of Policy-based Satellite Network Management

Wen-Bo Zhang, Ye Xu, and Yue-Qiu Jiang

Shenyang Ligong University, China

P05-06, ISDA-2008-0799

A Fieldbus Comprehensive Evaluation and Selection Method Based on Entropy-Ideal Point

Wei-Ming Tong and Hong-Wei Gao

Harbin institute of Technology, China

P05-07, ISDA-2008-1022

Shape-based Trademark Retrieval using Cosine Distance Method

Bei-Ji Zou and Marie Providence Umugwaneza

Central South University, China

P05-08, ISDA-2008-1209

LMSS: A Location-based Multimedia Service System Using Wireless Networks

Yiqiang Chen, Juan Qi, and Zhuo Sun

Chinese Academy of Sciences, China

P05-09, ISDA-2008-1272

Frequency Spectrum Prediction Method Based on EMD and SVR

Chang-Jun Yu, Yuan-Yuan He, and Tai-Fan Quan

Harbin Institute of Technology, China

P05-10, ISDA-2008-1568

Context and Learning based Approach to Programming of Intelligent Equipment

Andrey V. Gavrilov

Novosibirsk State Technical University, Russia

P05-11, ISDA-2008-1623

A New Iterative Learning Controller for Electro-Pneumatic Servo System

Shao-Juan Yu, Jin-Cai Bai, Shi-Bo Xiong, and Ru-Cheng Han

Taiyuan University of Technology, China

P05-12, ISDA-2008-1691

Enhanced Self-Adaptive Search Capability Particle Swarm Optimization

Juan Hu, Lai-Hang Yu, and Kai-Qi Zou

Dalian University, China

C11

E-Commerce Security

Wei-Bin Lee, Feng Chia University, Taiwan

Aboul Ella Hassanien, College of Business Administration, Kuwait

C11-01, ISDA-2008-0703

A Novel Shape-Texture Approach to Palmprint Detection and Identification

Michał Choraś, Rafał Kozik, and Aleksandra Zelek

University of Technology & Life Sciences, Poland

C11-02, ISDA-2008-IS20-007

Complete Double Layered Embedding Scheme for Information Hiding

Chin-Feng Lee, Jau-Ji Shen, and Hung-Lin Chao

Chaoyang University of Technology, Taiwan

C11-03, ISDA-2008-IS17-009

Multi-Recastable E-Bidding Scheme

Chun-I Fan, Chien-Nan Wu, and Wei-Zhe Sun

Sun Yat-sen University, Taiwan

C11-04, ISDA-2008-0333

An Efficiently Online/Offline Signcryption for Firewall

Dai-Rui Lin, Chih-I Wang, and D.J. Guan

Sun Yat-sen University, Taiwan

C11-05, ISDA-2008-1140

The 2D Bar-Code Technology Applications in Medical Information Management

Yao-Lung Yeh, Jing-Cyun You, and Gwo-Jia Jong

Kaohsiung University of Applied Sciences, Taiwan

C11-06, ISDA-2008-1674

Cultural-Based Genetic Algorithm: Design and Real World Applications

Mostafa A. El-Hosseini, Aboul Ella Hassanien, Ajith Abraham, and Hameed

Al-Qaheri

Norwegian University of Science and Technology, Norway

C11-07, ISDA-2008-1734

Improvement of SCTP Performance in Vertical Handover

Chin-Shiuh Shieh, I-Cheng Lin, and Wei-Kuang Lai
Kaohsiung University of Applied Sciences, Taiwan

C12

Digital Crime and Forensics

Der-Chyuan Lou, Defense University, Taiwan

Chia-Long Wu, Air Force Institute of Technology, Taiwan

C12-01, ISDA-2008-IS14-005

Model of Approach and Determination of the Failure Pertaining to School

Katia Bortoleto and Silvio Bortoleto

Positivo University, Brazil

C12-02, ISDA-2008-IS14-006

KDD on IVR Navigation Trees: Case Study

Thiago T. Angélico, Thais Santos Bueno, Silvio Bortoleto, and Anderson Ravello

Positivo University, Brazil

C12-03, ISDA-2008-IS20-005

A Block-based Authentication Watermarking Technique for Binary Images

Hsien-Chu Wu, Yu-Chi Liu, Kuo-Ching Liu, and Chwei-Shyong Tsai

Taichung Institute of Technology, Taiwan

C12-04, ISDA-2008-IS20-006

An Image Steganographic Scheme Based on Support Vector Regression

Hsien-Chu Wu, Kuo-Ching Liu, Jun-Dong Chang, and Ching-Hui Huang

Taichung Institute of Technology, Taiwan

C12-05, ISDA-2008-IS17-008

Fast Modular Multiplication for E-Commerce Cryptosystem

Chia-Long Wu, Der-Chyuan Lou, and Te-Jen Chang

Air Force Institute of Technology, Taiwan

C12-06, ISDA-2008-IS19-007

A Lossless Secret Image Sharing Method

Hao-Kuan Tso, Der-Chyuan Lou, Kai-Ping Wang, and Chiang-Lung Liu

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Intelligent Video Processing

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

Xueying Zhang, Taiyuan University of Technology, China

C13-01, ISDA-2008-IS24-005

Video Stabilization by Feature-Block Motion Estimation

Chao-Ho (Thou-Ho) Chen, Che-Wei Hsu, and Chin-Hsing Chen

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C13-02, ISDA-2008-IS24-006

The Study on Video Enhancement in the Low-Light Environment by Spatio-Temporal Filtering

Tsong-Yi Chen, Thou-Ho (Chao-Ho) Chen, Che-Ping Su, and Yi-Jun Chen

Kaohsiung University of Applied Sciences, Taiwan

C13-03, ISDA-2008-IS24-007

People Counting System for Getting In/Out of a Bus Based on Video Processing

Chao-Ho (Thou-Ho) Chen, Yin-Chan Chang, Tsong-Yi Chen, and Da-Jinn Wang

Kaohsiung University of Applied Sciences, Taiwan

C13-04, ISDA-2008-0926

An Actor-Based Video Segmentation System Using Visual and Audio Information in E-Learning

Yi-Chun Liao and Ming-Hong Syu

China University of Technology, Taiwan

C13-05, ISDA-2008-1120

Prediction Filling Differences for Compress a set of HDR Images

Jeanne Chen, Tung-Shou Chen, and Ping-Feng Chen

Taichung Institute of Technology, Taiwan

C13-06, ISDA-2008-1546

Building a Flexible Energy Management System with LonWorks Control Network

Ching-Biau Tzeng, Tzue-Shaang Wey, and Sheng-Hsiung Ma

Kun Shan University, Taiwan

C13-07, ISDA-2008-1660

*Applying the Extended Classifier System to Trade Interest Rate Futures Based on
Technical Analysis*

An-Pin Chen, Yu-Chia Hsu, Chien-Hua Huang, and Ya-Chun Yang

Chiao Tung University, Taiwan

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Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography

Chia-Chen Lin, Providence University, Taiwan

Xia Li, Shenzhen University, China

C14-01, ISDA-2008-IS18-005

Bioinformatics Approach to Discover the Relationship between Single Nucleotide Polymorphisms and Tumors

Fang-Rong Hsu and Wen-Chun Lo

Feng Chia University, Taiwan

C14-02, ISDA-2008-IS19-008

Non-embedded Image Protection Approaches Based on Vector Quantization

Cheng-Hsing Yang, Shu-Chien Huang, Cheng-Ta Huang, and Shiuh-Jeng Wang

Pingtung University of Education, Taiwan

C14-03, ISDA-2008-IS19-009

The Technique of Information Hiding based on Modification Function and LSB Matching

Tzu-Chuen Lu and Li-Ling Hsu

Chaoyang University of Technology, Taiwan

C14-04, ISDA-2008-IS19-010

Lossless Data Hiding for Color Images

Ching-Hui Huang, Chih-Chiang Lee, Hsien-Chu Wu, and Chung-Ming Wang

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C14-05, ISDA-2008-IS17-007

A Mobile Trading Scheme for Digital Content Based on Digital Rights

Chia-Chen Lin and Po-Hsuan Chiang

Providence University, Taiwan

C14-06, ISDA-2008-1502

A Novel Image Annotation Scheme Based on Neural Network

Yufeng Zhao, Yao Zhao, Zhenfeng Zhu, and Jeng-Shyang Pan

Beijing Jiaotong University, China

C14-07, ISDA-2008-0414

Design of Proxy Signature in ECDSA

Ming-Hsin Chang, I-Te Chen and Ming-Te Chen

Chunghwa Telecom Co., Ltd. Telecommunication Laboratories, Taiwan

C14-08, ISDA-2008-0839

A Lock-based Protocol for XML Metadata Knowledge Bases

Kuen-Fang Jea and Tsui-Ping Chang

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P06-01, ISDA-2008-IS12-011

Video Content Authentication Technique Based on Invariant Feature Detection and Cloud Watermark

Chang-Yin Liang , Hao Wu, and Ang Li
Shenzhen Polytechnic, China

P06-02, ISDA-2008-WS01-0141

A Method of Pulmonary Nodules Detection with Support Vector Machines

Lu Liu and Wan-Yu Liu
Harbin Institute of Technology, China

P06-03, ISDA-2008-WS01-0782

A Novel Algorithm for Ultrasonic Stereovision Data Enhancement

Lu Liu and Wan-Yu Liu
Harbin Institute of Technology, China

P06-04, ISDA-2008-0128

A Video Similarity Matching Algorithm Supporting for Different Time Scales

Zhi-Pin Deng and Ke-Bin Jia
Beijing University of Technology, China

P06-05, ISDA-2008-0191

Adaptive Image Hiding Algorithm Based on Classification

Sheng-Bing Che, Qiang-Bo Huang, and Bin Ma
Central South University of Forestry & Technology, China

P06-06, ISDA-2008-0237

A fast mode decision scheme with variable block sizes in H.264/AVC

Peng-Yu Liu and Ke-Bin Jia
Beijing University of Technology, China

P06-07, ISDA-2008-0347

*NGN Service Pricing Support Decision System Based on Fuzzy Neural Network:
NPDSS*

Jin-Yu Zhang and Man-Gui Liang

School of Computer and Information Technology, China

P06-08, ISDA-2008-1215

Mesh-based In-band Motion Estimation Method

Chen-Wei Deng and Bao-Jun Zhao

Beijing Institute of Technology, China

P06-09, ISDA-2008-1580

Human Action Retrieval via Spatio-temporal Cuboids

Qingshan Luo and Guihua Zeng

Shanghai Jiaotong University, China

P06-10, ISDA-2008-1616

FPGA Realization of Activation Function for Artificial Neural Networks

Venakata Saichand, Nirmala Devi. M, Arumugam. S, and N. Mohankumar

Amrita Vishwa Vidyapeetham, India

P06-11, ISDA-2008-1619

Efficient Scalable Distributed Video Coding Based on Residual SW-SPIHT

Anhong Wang, Yao Zhao, and Jeng-Shyang Pan

Beijing Jiaotong University, China

P06-12, ISDA-2008-1715

Study on X-VRML-Based Modelling of Virtual Museum

Shengnan Zhang, Limin Song, and Lian-Qiang Niu

Shenyang University of Technology, China

P06-13, ISDA-2008-0930

A Weight Method of Decoding the Binary BCH Code

H.-P. Lee, H.-C. Chang, T.-C. Lin, and T.-K. Truong

I-Shou University, Taiwan

