Conference Schedule

Dec. 12, 2010	
13:00 │ 20:00	Registration and Welcome Reception at hotel The Fourth International Conference on Genetic and Evolutionary Computing

Dec. 13, 2010			
08:00 │ 09:00	Registration and Welcome Reception at conference-site The Fourth International Conference on Genetic and Evolutionary Computing		
09:00 │ 09:15	Opening Room 104 (in International Conference Hall of Harbin Institute of Technology Shenzhen Graduate School (HITSGS))		
09:20 │ 10:15	Keynote Speech I- Professor Wen-Lian Hsu Room 104 (in International Conference Hall of HITSGS)		
10:15 │ 10:30	Coffee Break Reception Room		
10:30 │ 12:30	Session A01: Intelligent Information Processing for Industrial Applications (10)	Session A02: Systems and Algorithms for Telematics and Network (9)	Session A03: Intelligent Technique and Its Application (9)	Poster Session : P01 (6)
	Room 102	Room 303	Room 304	Room 104
12:30 │ 14:00	Lunch Restaurant in HITSGS		
14:00 │ 15:40	Session A04：Control System (7)	Session A05：Signal, Biology and Medical (7)	Session A06: Ubiquitous Security and Pervasive Network (9)	Poster Session : P02 (6)
	Room 102	Room 303	Room 304	Room 104
15:40 │ 16:00	Coffee Break Reception Room		
16:00 │ 17:40	Session A07: Information System and Network Management (8)	Session A08: Intelligent Applications for Home and Medical Treatment (7)	Session A09: Evolutionary Approaches to Management Engineering (7)	Poster Session: P03 (6)
	Room 102	Room 303	Room 304	Room 104
17:40 │ 20:00	Banquet Restaurant in Hotel		

Dec. 14, 2010			
08:00 — 09:00	Keynote Speech II- Professor Ajith Abraham Room 104 (in International Conference Hall of HITSGS)			
09:00 — 10:00	Keynote Speech III - Professor Jianrong Tan Room 104 (in International Conference Hall of HITSGS)			
10:00 — 10:20	Coffee Break Reception Room			
10:20 — 12:20	Session B01：Steganography and Watermarking (10)	Session B02: Optimization and Network Security (9)	Session B03: Computational Intelligence for Applications in Engineering (9)	Poster Session: P04 (6)
	Room 102	Room 303	Room 304	Room 104
12:20 — 14:00	Lunch Restaurant in HITSGS			
14:00 — 15:40	Session B04: Network Control and Application (7)	Session B05：Intelligent Video Processing (8)	Session B06：Language Processing, Classification and Mining (9)	Poster Session: P05 (6)
	Room 102	Room 303	Room 304	Room 104
15:40 — 16:00	Coffee Break Reception Room			
16:00 — 17:40	Session B07：Genetic Algorithm and Evolutionary Vision (8)	Session B08：Information Security and Intelligence Control (9)	Session B09：Network Application, Protocol and Security (9)	Poster Session: P06 (6)
	Room 102	Room 303	Room 304	Room 104
18:30 — 20:30	Banquet Restaurant in Hotel			

Dec. 15, 2010				
09:00 — 10:00	Keynote Speech Ⅳ- Professor David Power Room 104(in International Conference Hall of HITSGS)			
10:00 — 10:20	Coffee Break Reception Room			
10:20 — 12:20	Session C01： Particle Swam Optimization (9)	Session C02： Intelligent Services and Applications　(7)	Session C03： Intelligent Systems and Applications (8)	Poster Session: P7 (6)
	Room 102	Room 303	Room 304	Room 104
12:20 — 14:00	Lunch Restaurant in HITSGS			

Conference Program

December 13, 2010

Registration and Welcome Reception-------------------------------- 08:00-09:00
Opening -- 09:00-09:15
Keynote Speech (I) --- 09:15-10:15
Coffee Break--- 10:15-10:30
Session A01-A03, P1-- 10:30-12:30
Lunch -- 12:30-14:00
Session A04-A06, P2-- 14:00-15:40
Coffee Break--- 15:40-16:00
Session A07-A09, P3-- 16:00-17:40
Dinner -- 18:30-20:30

December 14, 2010

Keynote Speech (II) -- 08:00-09:00
Keynote Speech (III) --- 09:00-10:00
Coffee Break--- 10:00-10:20
Session B01-B03, P4 --- 10:20-12:20
Lunch -- 12:20-14:00
Session B04-B06, P5 --- 14:00-15:40
Coffee Break--- 15:40-16:00
Session B07-B09, P6 --- 16:00-17:40
Banquet-- 18:30-20:30

December 15, 2010

Keynote Speech (IV) --- 09:00-10:00
Coffee Break--- 10:00-10:20
Session C01-C03, P7--- 10:20-12:20
Lunch -- 12:20-14:00

1) ICGEC-2010-IS09-01   A New MCMC Particle

   Filter:Re-sampling form the Layered Transacting MCMC Algorithm

   Jun Tian,Yu Liang and Jiansheng Qian

   China University of Mining and Technology, China

2) ICGEC-2010-IS09-02

   Max-min based Optimal Routing Algorithm for Wireless Sensor Networks

   Yong Ma and Haifeng Jiang

   China University of Mining and Technology, China

3) ICGEC-2010-IS09-03

   The Research of Management Algorithm About Radio Resource In Wireless Mesh Network

   Xingge Guo and Chuande Dong

   China University of Mining and Technology, China

4) ICGEC-2010-IS09-05

   Unequal Clustering Scheme Based LEACH for Wireless Sensor Networks

   Peng Ren, Jiansheng Qian, Leida Li, Zhikai Zhao and Xiaobin Li

5) ICGEC-2010-IS09-06

   A Novel Exemplar-Based Image Completion Scheme with Adaptive TV-Constraint

   Zhaolin Lu, He Huang, Leida Li and Deqiang Cheng

   China University of Mining and Technology, China

6) ICGEC-2010-IS09-07

   The Study of Wireless Mesh Network Routing Algorithm Based on Interference Model

   Peipei Zhao and Jiansheng Qian

   China University of Mining and Technology, China

7) ICGEC-2010-IS09-08

   Semi-supervised Kernel based Progressive SVM

   Zhikai Zhao, Jiansheng Qian, Jian Cheng and Guihua Wang

   China University of Mining and Technology, China

8) ICGEC-2010-IS09-10

   The Research on Distributional Load-Equalization Routing Protocol in Wireless Mesh Network

   Peipei Zhao and Chuande Dong

9) ICGEC-2010-380

Projective Point Matching Using Modified Particle Swarm Optimization

Hongpo Liu, Jianrong Chen, Zhiguo Tan and Shuhua Teng

Henan Polytechnic Institute, China

10) ICGEC-2010-IS12-01

Optimizing Beam Pattern of Linear Adaptive Phase Array Antenna Based on Particle Swarm Optimization

Chao-Hsing Hsu, Chun-Hua Chen, Wen-Jye Shyr, Kun-Huang Kuo, Yi-Nung Chung and Tsung-Chih Lin

Chienkuo Technology University, Taiwan

Session A02: Systems and Algorithms for Telematics and Network (9)
Session Chairs:
Prof. Shi-Huang Chen, Shu-Te University, Taiwan
Prof. Tianhua Liu and Dr. Zhenhua Tan, Shenyang Normal University, China

1) ICGEC-2010-IS13-01

An Integrated Java Platform For Telematics Services

Yu-Lin Chu, Po-Yu Ke, Kun-Fu Tseng, Sing-Mei Lin, Li-Yu Lu and Chin-Yuan Chang

Shu-Te University, Taiwan

2) ICGEC-2010-IS13-02

An Anonymous Authentication Scheme for Telematics Applications

Chun-Li Lin

Shu-Te University, Taiwan

3) ICGEC-2010-IS13-03

Seamless Layer 2 Framework for Heterogeneous networks

Yu-Chang Chen, Shiang-Chi Tseng and Ya-Bo Hu

Shu-Te University, Taiwan

4) ICGEC-2010-IS13-04

Fixed-Point acceleration of square root and logarithm using quadratic regression for HTK Kernel Modules

Chih-Hung Chou, Po-Chuan Lin and Jhing-Fa Wang

National Cheng Kung University, Taiwan

5) ICGEC-2010-IS13-05

Unsupervised Speaker Clustering Using SVM Training Missclassification Rate for Meeting Short-Duration Speech Signals

Po-Chuan Lin, Yeh-Yi Jui, Tsai-Sung Ying, Yeong-Chin Chen and Menq-Jion Wu

Tung-Fang Design University, Taiwan

6) ICGEC-2010-IS13-06

Fast Macro-block Selection Algorithm Using 2-D Haar Wavelet Features for H.264 Video Codec

Chung-Hsien Chang, Shi-Huang Chen and Jhing-Fa Wang

National Cheng Kung University, Taiwan

7) ICGEC-2010-IS13-07

A Study on Speech Control Interface for Vehicle On-Board Diagnostic System

Shi-Huang Chen, Yu-Ru Wei

Shu-Te University, Taiwan

8) ICGEC-2010-558

Amalgamation of SVM based Classifiers for Prognosis of Breast Cancer Survivability

Amna Ali and Minkoo Kim

Ajou University, South Korea

9) ICGEC-2010-IS01-02

Filtering Based Multiple String Matching Algorithm Combining q-Grams and BNDM

Changsheng Miao, Guiran Chang and Xingwei Wang

Northeastern University, China

Session A03: Intelligent Technique and Its Application (9)
Session Chairs:
Prof. Rey-Chue Hwang, I-Shou University, Taiwan

1) ICGEC-2010-IS11-01

A New Technique for Searching the Global Minimum of Supervised Neural Network

Chih-Chien Huang, Jay Cheng, Yu-Ju Chen, Shang-Jen Chuang , Shuming T. Wang and Rey-Chue Hwang

I-Shou University, Taiwan

2) ICGEC-2010-IS11-02

System Identification of TP Film Evaporation by Using Nearly Equivalent NN Model

Du-Jou Huang, Chih-Chien Huang, Yu-Ju Chen, Huang-Chu Huang, Shen-Whan Chen and Rey-Chue Hwang

I-Shou University, Taiwan

3) ICGEC-2010-IS11-03

Transmittance Estimation of TP Decoration Film by QNN

Du-Jou Huang, Jen-Pin Yang, Yu-Ju Chen, Fang-Tsung Liu, Chuo-Yean Chang and Rey-Chue Hwang

I-Shou University, Taiwan

4) ICGEC-2010-IS11-04

The Detection of Cartilage Oligomeric Matrix Protein Using a Quartz Crystal Microbalance

Chi-Yen Shen, Shih-Han Wang, Ting-Chan Weng and Yu-Fong Huang

I-Shou University, Taiwan

5) ICGEC-2010-IS11-05

DSP based Control of Parallel DC-DC Boost Converters by Adaptive Fuzzy Sliding-Mode Control Scheme

Li-Peng Yin, Chi-Cheng Cheng, Chih-Yung Chen, Ming-Sheng Zheng and En-Chih Chang

National Sun Yat-Sen University, Taiwan

6) ICGEC-2010-665

Towards Creative Case Based Reasoning

Zhiqiang Zhu, Hung-Yao Hsu and Sev Nagalingam

University of South Australia, Australia

7) ICGEC-2010-677

The Operating Transient Process Analysis and Synchronous Switching Strategies Research of Vacuum Breaker

ZHANG Qingjie, YUAN Haiwen, LIU Yingyi and WANG Qiusheng

Beihang University, China

8) ICGEC-2010-294

Iterative Belief Revision in Partial Observable Non-deterministic Planning

Dongning Rao and Zhihua Jiang

Guangdong University of Technology, China

9) ICGEC-2010-611

The Validity of Five-Factor Model of Personality to Predicting Impulse Buying Tendency

Hsien-Lun Wong, Yi-Hsien Tu and Mei-Chun Lin

Business, Minghsin University of Science and Technology, Taiwan

Session A04: Control System (9)
Session Chairs:
Dr. We-Tzer Huang, Chienkuo Technology University, Taiwan
Prof. Kai-chao Yao, National Changhua University of Education, Taiwan

1) ICGEC-2010-IS02-01

Optimal Planning of a Load Transfer Substation Pair between Two Normally Closed-Loop Feeders Considering Minimization of System Power Losses Using a Genetic Algorithm

Wei-Tzer Huang, Kai-Chao Yao, Shiuan-Tai Chen, Hsiau-Hsian Nien, Deng-Chung Lin and Po-Tung Huang

Chienkuo Technology University, Taiwan

2) ICGEC-2010-IS02-02

Actuator Design of a New AC PM Contactor with Energy-Saving and Noise-Free Characteristics

Chih-Yu Hung and Chieh-Tsung Chi

Chienkuo Technology University, Taiwan

3) ICGEC-2010-IS02-03

Apply GM(0,N) to The Weighting Anlysis in Timoshenko Beam System

Jee-Ray Wang, Der-Wei Chen, Kuan-Ying Lu, Chang-Jhih Hong, Cheng-Chung Chiu and Ping-You Zang

Chienkuo Technology University, Taiwan

4) ICGEC-2010-IS02-04

Apply Grey System Method in The Influence Factors Weighting Analysis in Kindergarten

Yuan-Piao Lee, Chu-Sung Shih, Huang-Hong Ding, Yi-Ping Guan, Tien-Yu Chen and Kun-Li Wen

5) ICGEC-2010-IS02-06

Apply Kansei Engineering for Health and Environmental in Meat Selection

Kuang-Fa Liu, Jee-Ray Wang, Jiam-Hwa Lee, Chi-Mei Wang, Chang-Ray Lin and Ming-Che Liou

Chienkuo Technology University, Taiwan

6) ICGEC-2010-IS02-07

The Factors Influencing the Contribution of Continuing Education toward Workforces' Professional Development and Human Capital Investment

Wen Ling-Yu, Chen Li-Chen

National Changhua University of Education, Taiwan

7) ICGEC-2010-IS02-09

Apply Grey Prediction in the Number of Tourist

Mei-Lien Kan, Yuan-Bing Lee and Wen-Chuan Chen

Dahan Institute of Technology, Taiwan

8) ICGEC-2010-IS02-10

Development of Operational Procedures of Distributed Generation Sources in a Micro-Grid

Wen-Chih Yang and San-Yi Lee

Technology and Science Institute of Northern Taiwan, Taiwan

9) ICGEC-2010-IS02-11

Optimal Operation Scheme for a Cogeneration System Promoted from an Emergency Standby System Combined with Absorption Chiller

Shyi-Wen Wang

Chienkuo Technology University, Taiwan

Session A05: Signal, Biology and Medical (7)

Session Chairs:

Prof. Chih-Yu Hsu, Chaoyang University of Technology, Taiwan

1) ICGEC-2010-IS26-01

   Techniques for Automatic Magnetic Resonance Image Classification

   Hsian-Min Chen, Shih-Yu Chen, Jyh Wen Chai, Clayton Chi-Chang Chen, Chao-Cheng Wu, Yen-Chieh Ouyang, Ching Tsorng Tsai, Ching-Wen Yang, San-Kan Lee and Chein-I Chang

   Hungkuang University, Taiwan

2) ICGEC-2010-IS26-02

   Volume-based Magnetic Resonance Brain Image Classification

   Yaw-Jiunn Chiou, Jyh-Wen Chai, Clayton Chi-Chang Chen, Shih-Yu Chen, Hsian-Min Chen, Yen-Chieh Ouyang, Wu-Chung Su, Ching Tsorng Tsai, Ching-Wen Yang, San-Kan Lee and Chein-I Chang

   National Chung Hsing University, Taiwan

3) ICGEC-2010-IS26-05

   A PSO-SVM Lips Recognition Method Based on Active Basis Model

   Chih-Yu Hsu, Chih-Hung Yang, Yung-Chih Chen, Min-chian Tsai

   Chaoyang University of Technology, Taiwan

4) ICGEC-2010-IS26-06

   Precision Constrained Gaussian Model For Online Handwritten Jamo Character Recognition

   Jing Lu, He Ping Liu and Ming Fu Zou

   University of science and technology Beijing, China

5) ICGEC-2010-IS26-08

   A Software System for Anisotropic Diffusion Analysis of Diffusion Tensor Images

   Chia-Hao Chang, Chih-Yu Hsu , Yu-Jen Yang and Kuo-Kun Tseng

6) ICGEC-2010-IS26-09

   Corner Detection Based on Normal Vector of Boundary Fitting Line

   Zhenyu Meng, Jeng-Shyang Pan, Kuo-Kun Tseng and Chih-Yu Hsu

   Harbin Institute of Technology Shenzhen Graduate School, China

7) ICGEC-2010-455

   QRS Complex Detection using Cubic Splines

   Huang-Nan Huang, Shyu-Yu Wu, Shuo-Tsung Chen and Chih-Yu Hsu

   Tunghai University, Taiwan

Session A06: Ubiquitous Security and Pervasive Network (9)

1) ICGEC-2010-IS27-01

   Supporting Collaborative Interaction with Real Time Force Feedback in Distributed Haptic
   Virtual Environments over IP Networks

   Kian Meng Yap

   Sunway University College, Malaysia

2) ICGEC-2010-IS27-02

   Real-time Bridge Scouring Safety Monitoring System by Using Mobile Wireless Technology

   Yu-Ting Liu, Jian-Hua Tong, Yiching Lin, Tsung-Han Lee and Chia-Feng Chang

   National Chung Hsing University, Taiwan

3) ICGEC-2010-IS27-04

   An Energy Efficient Cross-layer Design by Using the Contention Window Optimization
   Scheme for Ad-hoc Wireless Networks Operating in Errorprone Channel Conditions

   Tsung-Han Lee, Alan Marshall and Bosheng Zhou

   National Taichung University, Taiwan

4) ICGEC-2010-IS27-05

   Wireless Security Issues in pervasive computing

   Bosheng Zhou, Alan Marshall and Tsung-Han Lee

   Queen's University Belfast, UK

5) ICGEC-2010-IS06-01

   A Novel Usage Control Protocol Model for DRM System

   Kefeng Fan, Subing Zhang and Zhen Yang

   China Electronics Standardization Institute, China

6) ICGEC-2010-IS06-03

   Multi-Spectral and Panchromatic Image Fusion Based on Region Correlation Coefficient in
   Nonsubsampled Contourlet Transform Domain

   Chuanqi Ye, Xinliang Liu, Zhiyong Zhang and Ping Wang

   Henan University of Science &Technology, China

7) ICGEC-2010-IS06-04

   A DRM System Based on PKI

   Lili Zhang , ZhiYong Zhang, Dan Mei Niu , Sen Shen and Chuan Qi Ye

   Henan University of Science &Technology, China

8) ICGEC-2010-IS06-08

   A DRM System for Home Network Based on RBAC and License Chain

   Danmei Niu, Zhiyong Zhang and Lili Zhang

Henan University of Science and Technology, China

9) ICGEC-2010-IS06-09

A Extended Role-based Access Controls Model Temporal,Spatial,Workflowed and Attributed Role-based Access Controls Model

Guoliang Tang, Feng Yang, Zhiyong Zhang and Jiexin Pu

Henan University of Traditional Chinese Medicine, China

Session A07: Information System and Network Management (8)
Session Chairs:
Prof. Xue-ying Wang, Shenyang Normal University, China

1) ICGEC-2010-IS08-01

Classification systems based on Fuzzy Cognitive Maps

Yanli Zhang and Huiyan Liu

ShenYang Normal University, China

2) ICGEC-2010-IS08-02

Influence Factors of Technology Acceptance Model in Mobile Learning

Ying Zhao and Qi Zhu

ShenYang Normal University, China

3) ICGEC-2010-IS08-03

Research on Methods of Integrated Information System Based on the BSP

Shuwei Huang and Xueying Wang

ShenYang Normal University, China

4) ICGEC-2010-IS08-04

The Application of E-Learning to Mental Health Curriculum in the Middle School

Sainan Li

ShenYang Normal University, China

5) ICGEC-2010-IS08-05

The Strategic Study of IT Application Based on Innovation Diffusion Theory

Xinghui Wang and Xiangjun Qi

ShenYang Normal University, China

6) ICGEC-2010-IS08-06

Research on Virtual Reality Based on EON Studio

Fei Wang

ShenYang Normal University, China

7) ICGEC-2010-IS08-07

Research on the Estimating Model of the Stock Market Price Based on the LM-BP Neural Network

Feng Li

ShenYang Normal University, China

8) ICGEC-2010-IS08-08

Study on Enterprise Information Resources Planning—ILEA

Xueying Wang

ShenYang Normal University, China

Session A08: Intelligent Applications for Home and Medical Treatment (7)
Session Chairs:
Prof. Nai-Bin Hsu and Prof. Jen-Chu Liu, Yuanpei University, Taiwan

1) ICGEC-2010-IS28-01

Reversible Visible Watermarking for Contour Style Logo

Wen-Pinn Fang

Yuanpei University, Taiwan

2) ICGEC-2010-IS28-02

Efficiency Analysis and Improvement of SIP-based Push-to-Talk over Cellular

Ding-Jyh Tsaur and Chia-Lung Liu

Yuanpei University, Taiwan

3) ICGEC-2010-IS28-03

An Efficient Cloud for Wellness Self-management Devices and Services

Pei-Ching Yang, Jung-Hsien Chiang, Jen-Chu Liu, Yi-Lun Wen and Kuo-Yu Chuang

National Cheng Kung University, Taiwan

4) ICGEC-2010-IS28-04

The Routing of Healthcare Applications in MPLS Networks

Nai-Bin Hsu

Yuanpei University, Taiwan

5) ICGEC-2010-IS28-05

A Highly Flexible System for Smart Home Sensor Networks

Jen-Chu Liu, Kuo-Yu Chuang and Cai-Fang Ye

Yuanpei University, Taiwan

6) ICGEC-2010-691

Video-on-Demand with Differentiated QoS based-on Available Bandwidth in IPTV

Yuh-Chung Lin, Chin-Shiuh Shieh, Bin-Yih Liao, Wei-Lun Tseng and Jui-Fang Chang

Tajen University, Taiwan

7) ICGEC-2010-IS08-09

Energy Balancing Multi-path Routing for Wireless Sensor Networks

Ren Peng and Xueying Wang

ShenYang Normal University, China

Session A09: Evolutionary Approaches to Management Engineering (7)

Session Chairs:

Prof. Junzo Watada, Waseda University, Japan

1) ICGEC-2010-IS24-01

   Construct Logic Operation Gates of OR and AND with Multiple Enzymes

   Chu Yuyi, Juiyu Wu, Junzo Watada, Ikno Kim
   Waseda University, Japan

2) ICGEC-2010-IS24-02

   Global Optimization Using Meta-Controlled Boltzmann Machine

   Shamshul bahar Yaakob and Junzo Watada

   Waseda University, Japan

3) ICGEC-2010-IS24-03

   A Hybrid BPSO Approach for Fuzzy Facility Location Problems with VaR

   Shuming Wang and Junzo Watada

   Waseda University, Japan

4) ICGEC-2010-IS24-04

   Diagnosis System Based on Rough Sets Analysis

   Junzo Watada and Shamshul bahar Yaakob

   Waseda University, Japan

5) ICGEC-2010-650

   Fish Migration Optimization Based on the Fishy Biology

   Jeng-Shyang Pan, Pei-Wei Tsai and Yu-Bin Liao

   National Kaohsiung University of Applied Sciences, Taiwan

6) ICGEC-2010-615

   Parallelized Artificial Bee Colony with Ripple-communication Strategy

   Ruhai Luo, Tien-Szu Pan, Pei-Wei Tsai and Jeng-Shyang Pan

   Harbin Institute of Technology Shenzhen Graduate School, China

7) ICGEC-2010-0045

   Apply the Ant Feature of Sensation to Calculate the Minimum Value of Function

   Chao-Yang Pang, Yan Zhang, Qiong Yang and Ben-Qiong Hu

   Sichuan Normal University, China

Session B01 : Steganography and Watermarking (10)

Session Chairs:

Prof. Chin-Feng Lee, Chaoyang University of Technology, Taiwan

1) ICGEC-2010-IS21-01

Encoding Strategies to Improve MFCVQ-based Reversible Data Hiding Scheme

Cheng-Hsing Yang, Sheng-Chang Wu, Peng-Sheng Kong

National Pingtung University of Education, Taiwan

2) ICGEC-2010-IS21-02

A fragile watermarking scheme for Image Authentication with Tamper Detection and Localization

Wei-Chin Ku, Te-Chih Chou, Hsin-Lung Wu and Jen-Chun Chang

National Taipei University, Taiwan

3) ICGEC-2010-IS21-03

Information Hiding Method Using Sharing Images

Hao-Kuan Tso and Der-Chyuan Lou

Taiwan

4) ICGEC-2010-IS21-04

A Reversible Data Embedding Scheme Based on Hash Functions for VQ Index Tables

Zhi-Hui Wang, Ching-Yun Chang and Pei-Wei Tsai

Dalian University of Technology, China

5) ICGEC-2010-IS21-05

A Data Hiding Method Using Secret Data Division and Pixel Value Differencing

Jiun-Jian Liaw, Wen-Sheng Wang and Min-Yen Chiu

Chaoyang University of Technology, Taiwan

6) ICGEC-2010-IS21-06

Data Hiding Scheme with High Embedding Capacity and Good Visual Quality Based on Edge Detection

Chin-Feng Lee, Chin-Chen Chang and Pei-Ling Tsoub

Chaoyang University of Technology, Taiwan

7) ICGEC-2010-IS21-07

Side-match Prediction Scheme in Data Hiding

Wei-Jen Wang, Cheng-Ta Huang and Shiuh-Jeng Wang

National Central University, Taiwan

8) ICGEC-2010-IS21-08

Text Categorization by MILO Tree Traversals

Jau-Ji Shen, Wei-Cheng Huang and Chia-Chuan Wu

National Chung Hsing University, Taiwan

9) ICGEC-2010-IS21-09

Improving Histogram-based Reversible Data Hiding By Tictactoemidlet Predictions

Cheng-Hsing Yang, Fu-Hau Hsu, Min-Hao Wu and Shiuh-Jeng Wang

National Pingtung University of Education, Taiwan

10) ICGEC-2010-434

Energy-Proportion Audio Watermarking Scheme in the Wavelet Domain

Shuo-Tsung Chen and Huang-Nan Huang

Tunghai University, Taiwan

Session B02: Optimization and Network Security (9)
Session Chairs:
Dr. Ya-Fen Chang, National Taichung Institute of Technology, Taiwan

1) ICGEC-2010-470

An optimization on single-crank-double-rocker flapping wing mechanism

Chaoying Zhou, Xingwei Zhang, Cong Liu and Chao Wang

Harbin Institute of Technology Shenzhen Graduate School, China

2) ICGEC-2010-592

A Survey of Performance Assessment for Multiobjective Optimizers

Peng Cheng, Jeng-Shyang Pan, Li Li, Yan Tang and Chunlun Huang

Southwest University, China

3) ICGEC-2010-582

Two-phase Incremental Clustering Algorithm Based on Immune Response and Ant Colony

Xianghua Li, Zhengxuan Wang and Shoukong Chen

Zhuhai College Jilin University, China

4) ICGEC-2010-533

A Fast Two-Stage Dynamic Programming Algorithm for Change-Points Model with Application in Speech Signal

Kuo-Ching Chang, Chui-Liang Chiang and Chung-Bow Lee

National Chung Hsing University, Taiwan

5) ICGEC-2010-439

Optimization-Based Image Watermarking Scheme in the Wavelet Domain

Shuo-Tsung Chen, Huang-Nan Huang and Chih-Yu Hsu

Tunghai University, Taiwan

6) ICGEC-2010-IS15-01

Providing Anonymous Channels and Mutual Authentication for Mobile Communications

Bo Li, Chin-Chen Chang and Jung-San Lee

Tongji University, China

7) ICGEC-2010-IS15-02

Real-Time Robust Background Modeling Based on Joint Color and Texture Descriptions

Chih-Yang Lin, Chao-Chin Chang, Wei-Wen Chang, Meng-Hui Chen and Li-Wei Kang

Asia University, Taiwan

8) ICGEC-2010-IS15-03

A High Payload Data Hiding Scheme for Color Image Based on BTC Compression Technique

Yung-Chen Chou and Hon-Hang Chang

Asia University, Taiwan

9) ICGEC-2010-IS15-04

An Efficient and Flexible Authentication Scheme with User Anonymity for Digital Right Management

Jen-Ho Yang, Chih-Cheng Hsueh and Chung-Hsuan Sun

Kainan University, Taiwan

Session B03: Computational Intelligence for Applications in Engineering (9)
Session Chairs:
Prof. Mingyue Ding and A. Prof. Ming Yuchi, Huazhong University of Science and Technology, China

1) ICGEC-2010-IS17-01

Fast Marine Route Planning for UAV Using Improved Sparse A* Algorithm

Xin Yang, Ming-Yue Ding and Cheng-Ping Zhou

Huazhong University of Science and Technology, China

2) ICGEC-2010-IS17-02

Efficient path planning method based on Genetic Algorithm combining path network

Shidong Li, Mingyue Ding, Chao Cai and Lei Jiang

Hubei University, China

3) ICGEC-2010-IS17-03

Heart Rate Prediction Model based on Physical Activities using Evolutionary Neural Network

Feng Xiao, Yi-min Chen, Ming Yuchi , Ming-yue Ding and Jun Jo

Huazhong University of Science and Technology, China

4) ICGEC-2010-IS17-04

Electrode Localization in 3D Ultrasound Images using 3D Phase Grouping and Randomized Hough Transform

Wu Qiu, Mingyue Ding and Ming Yuchi

Huazhong University of Science and Technology, China

5) ICGEC-2010-IS17-05

Quantum Genetic Algorithm for Mobile Robot Path Planning

Yangguang Sun and Mingyue Ding

South-Central University for Nationalities, China

6) ICGEC-2010-571

Continuous CLA-EC

Sakineh Zanganeh, Mohammad Reza Meybodi and Meisam Hosseini Sedehi

Islamic Azad University-Baft Branch, Iran

7) ICGEC-2010-283

A Heuristic Genetic Algorithm Based on Schema Replacement for 0-1 knapsack Problem

Chen Lin

Yangtze University, China

8) ICGEC-2010-48

Parameter Settings of Genetic Algorithm Based on Multi-Factor Analysis of Variance

Zhengfeng Cao and ZhiHui Zhang

Beijing Institute of Petrochemical Technology, China

9) ICGEC-2010-290

RST Invariant Image Watermarking based on Invariant Contents

Xin-Wei Li, Bao-Long Guo and Long Chen

Xidian University, China

Session B04: Network Control and Application (7)
Session Chairs:
Prof. Ming Zhao, Yangtze University, China

1) ICGEC-2010-IS29-05

The Research of Hierarchical Data Fusion based on Three-tiers Wireless Sensor Networks for Urban Real Time Traffic Information Monitoring

Huaping Yu

Yangtze University, China

2) ICGEC-2010-IS29-07

Research on Application of Kalman Filtering Algorithm in Wireless LAN Positioning System

Ming Zhao

Yangtze University, China

3) ICGEC-2010-IS29-08

Research on Data Prefetching strategy to Support Real-time Transactions Processing in Mobile Learning Environments

Youfu Du and Ming Zhao

Yangtze University, China

4) ICGEC-2010-IS29-09

Design and Implementation of Production Environment Monitoring System Based on

GPRS-Internet

Lei Wu and Jie Hu

Yangtze University, China

5) ICGEC-2010-IS29-12

A Study of Image Compression Technique Based on Wavelet Transform

TAN Yan Mei, CAO Hua, TAN Jiang Bo, and LI Wei

Guangxi technological college of machinery and electricity, China

6) ICGEC-2010-IS29-13

Grid Workflow Scheduling with Various QoS Constraints Using SPEA2+

WANG Xiang, XIA Jie-wu, LI Jin-zhong, ZENG Jin-tao, PENG song-song

Jinggangshan University, China

7) ICGEC-2010-566

Integrated GRA with Entropy Method to Evaluate Factors Affecting Baltic Dry Index

Hsien-Lun Wong, Yi-Hsien Tu and Shen-Yi Fan

Business, Minghsin University of Science and Technology, Taiwan

Session B05: Intelligent Video Processing (8)
Session Chairs:
Prof. Wu-Chih Hu, National Penghu University of Science and Technology, Taiwan
Prof. Deng-Yuan Huang, Dayeh University, Taiwan

1) ICGEC-2010-IS23-01

Automatic Video Object Segmentation with Opacity Estimate

Wu-Chih Hu, Deng-Yuan Huang, Ching-Yu Yang and Jung-Fu Hsu

National Penghu University of Science and Technology, Taiwan

2) ICGEC-2010-IS23-02

Face Detection Based on Feature Analysis and Edge Detection against Skin Color-Like Backgrounds

Deng-Yuan Huang, Ta-Wei Lin, Chun-Ying Ho and Wu-Chih Hu

Dayeh University, Taiwan

3) ICGEC-2010-IS23-03

Markov Random Field Based Background Subtraction Method for Foreground Detection Under Moving Background Scene

Tsung-Han Tsai and Chung-Yuan Lin

National central university, Taiwan

4) ICGEC-2010-IS23-04

Effective Reconstruction of the Message-Pruning Trees in Wireless Sensor Networks

Bing-Hong Liu

National Kaohsiung University of Applied Sciences, Taiwan

5) ICGEC-2010-IS23-08

   A People Counting System Based on Face-Detection

   Tsong-Yi Chen, Chao-Ho Chen, Da-Jinn Wang and Yi-Li Kuo

   National Kaohsiung University of Applied Sciences, Taiwan

6) ICGEC-2010-518

   Low-contrast Edge enhancing Anisotropic Diffusion for Speckle Reduction

   Yongde Zhang and Mingyue Ding

   China Medical University, China

7) ICGEC-2010-583

   A Robust and Discriminative Image Perceptual Hash Algorithm

   Zhen-Kun Wen

   Shenzhen University, China

8) ICGEC-2010-287

   Obstacle detection system for visually impaired people based on stereo vision

   Long Chen, Bao-Long Guo and Wei Sun

   Xidian University, China

Session B06: Language Processing, Classification and Mining (9)
Session Chairs:
Prof. Yao Liu, Institute of Scientific and Technical Information of China, China
Dr. Peng Jin, Leshan Normal University, China

1) ICGEC-2010-IS20-01

   Research on Text Clustering Based on Concept Weight

   Yuqin Li, Xueqiang Lv, Yufang Liu and Shuicai Shi

   Beijing Information Science and Technology University, China

2) ICGEC-2010-IS20-02

   An Investigation of Chinese Selectional Preference Based on HowNet

   Bin Li, Xiaohe Chen and Xuri Tang

   Nanjing University, China

3) ICGEC-2010-IS20-06

   Polyphonic Word Disambiguation with Machine Learning Approaches

   Jinke Liu, Weiguang Qu, Xuri Tang, Yizhe Zhang and Yuxia Sun

   Nanjing Normal University, China

4) ICGEC-2010-IS20-07

   A Knowledge based Method for Chinese Word Sense Induction

Peng Jin, Rui Sun and Yihao Zhang

Leshan Teachers' College, China

5) ICGEC-2010-IS20-08

Minimum Normalized Google Distance for Unsupervised Multilingual Chinese-English Word Sense Disambiguation

Pengyuan Liu, Yongzeng Xue, Shiqi Li and Shui Liu

Beijing Language and Culture University, China

6) ICGEC-2010-IS20-09

Automatic Extraction of Multiword Expressions Combining Statistical and Similarity Approaches

Jian Xu, Jingsong Yu and Huilin Wang

Peking University, China

7) ICGEC-2010-671

Research and Design of Personnel Orientation System in Mine Based on GIS/MIS

Yanli Chai, Dan Li and Yanli Chai

China University of Mining & Technology, China

8) ICGEC-2010-327

Rule-Matching Based Method for RFID Event Processing

Cong Li, Chunkai Zhang and Zhijun Wei

Shenzhen Graduate School Harbin Institute of Technology, China

9) ICGEC-2010-308

Term-frequency based feature Selection methods for Text Categorization

Yan Xu and Lin Chen

Beijing Language and Culture University, China

Session B07: Genetic Algorithm and Evolutionary Vision (8)
Session Chairs:
Prof. Yongping Zhang, Ningbo University of Technology, China

1) ICGEC-2010-0039

Apply the Feature of Entropy Convergence of ACO to Short the Runtime of Gene Order

Ben-Qiong Hu, Shi-Peng Wang, Gang Jiang and Chao-Yang Pang

Chengdu University of Technology, China

2) ICGEC-2010-195

Optimization Design of Power Factor Correction Converter Based on Genetic Algorithm

Hai Peng Ren and Ting Zheng

Xi'an University of Technology, China

3) ICGEC-2010-521

An Approach of Obtaining Global and Near-global Optimal Process Plans Based on GA
Considering Operations Precedence Constraints

Guangru Hua, Xiaoliang Fan and Guangru Hua

North China Electric Power University, China

4) ICGEC-2010-638

Application of interactive multiobjective genetic algorithm in maintenance optimization of
bridge decks

Jingmei Bian and Quan Bai

Shenyang University of Chemical Technology, China

5) ICGEC-2010-662

Development of Enhanced Active Shape Model (EASM) for In-Situ Automatic Optical
Inspection (AOI)

Liang-Chia Chen, Abraham Mario Tapilouw and Nguyen Van Thai

National Taipei University of Technology, Taiwan

6) ICGEC-2010-175

Multifocus Image Fusion Based on Variational Decomposition in Combination with
Reconstruction of Vector Fields

Yongping Zhang, Zhongkun He, Fang Cheng, Liang Ding and Quanmao Mi

Ningbo University of Technology, China

7) ICGEC-2010-IS16-01

Multi-focus Image Fusion Based on Wavelet Coefficients Selection and Reconstruction

Fang Cheng, Yongping Zhang and Jianyan Tian

Taiyuan University of Technology, China

8) ICGEC-2010-IS16-03

A Novel Image Smoothing Algorithm Based on Variational Decomposition

Zhongkun He, Yongping Zhang, Rina Su and Shaojing Fan

Ningbo University of Technology, China

Session B08: Information Security and Intelligence Control   (9)
Session Chairs:
Prof. Wenjiu Liu, Nanjing University of Information Science &
                    Technology, China
Prof. Lingfang Sun, Northeast Dianli University, China

1)   ICGEC-2010-IS31-08

Auto-recognizing Letter-word Phrases in Chinese Texts

Zheng Zezhi

Xiamen University, China

2) ICGEC-2010-IS31-12

Application of Remote Sensing Technology in Crop Chilling Injury Monitoring

Yushu Zhang, Rui Feng, Ruipeng Ji, Pengshi Chen, Shujie Zhang and Jinwen Wu

Institute of Atmospheric Environment, China

3) ICGEC-2010-IS31-14

Self-Generated-Certificate Digital Signature

Chen-Huang Wu

Putian University, China

4) ICGEC-2010-IS32-01

An Introductory Review on Quantum Game Theory

Wenjie Liu, Jingfa liu, Mengmeng Cui and Ming He

Nanjing University of Information & Technology, China

5) ICGEC-2010-IS32-02

Land Cover Classification base on Fourier Analysis

Mengmeng Cui, Shengjun Xue and Yong Huang

Nanjing University of Information & Technology, China

6) ICGEC-2010-IS32-04

Patch-based Face Hallucination with Locality Preserving Projection

Qiong Kang

Yangtze University, China

7) ICGEC-2010-IS32-05

Design and Implementation Video on Demand System based on FMS +FLV

Fang Jin

Yangtze University, China

8) ICGEC-2010-IS32-06

Design and Implementation of Remote-sensing Monitoring and Assessment System of Wetland in Northeast China

Rui Feng, Yushu Zhang, Hongbo Wang, Ruipeng Ji, Jinwen Wu, Pengshi Chen, Wenying Yu, Shujie Zhang and Guochun Li

Department of agricultural meteorology IAE, CMA, China

9) ICGEC-2010-IS32-07

A Grid Resource Discovery Method Based on Center-distributed Virtual Community

Chunhong Hu and Ming Zhao

Yangtze University, China

Session B09: Network Application, Protocol and Security (9)

Session Chairs:
Dr. Zhenhua Tan, Northeastern University, China
Prof. Chun-Hua Chen, Chienkuo Technology University, Taiwan

1) ICGEC-2010-IS04-01

   A P2P Overlay Network Routing Algorithm Based on Hierarchy Agglomerative Clustering Topology

   Yi Ma, Guiran Chang, Zhenhua Tan and XueYi Wang

   Northeastern University, China

2) ICGEC-2010-IS04-02

   A P2P-Based Worm in Next Generation Network

   Wei Yang, Xiao-meng Shen, Gui-ran Chang and Yu Yao

   Northeastern University, China

3) ICGEC-2010-IS04-03

   A Double Auction Method for Resource Management and Bidding Strategy on Grid Resources

   Xueyi Wang, Xingwei Wang, Min Huang, Yi Ma and Zhenhua Tan

   Northeastern University, China

4) ICGEC-2010-IS04-04

   Frequent Item Detection on Probabilistic Data

   Shuang Wang, Jitong Chen and Guoren Wang

   Northeastern University, China

5) ICGEC-2010-IS04-06

   An Improved Group Key Agreement Based on Elliptic Curve

   Guangming Yang, Qi Wang, Qian Zhu, Jian Xu, Jin Chang and Long Yan

   Northeastern University, China

6) ICGEC-2010-IS04-08

   A Distributed Lossless Transmission Method for Tele-Medical Image

   Zhenhua Tan, Xueyi Wang, Yi Ma and Xingwei Wang

   Northeastern University, China

7) ICGEC-2010-IS19-01

   Comment on Kushilevitz's One-server Private Information Retrieval Scheme

   Chun-Hua Chen, Chao-Hsing Hsu and Ming-Ching Ho

   Chienkuo Technology Unversity, Taiwan

8) ICGEC-2010-IS19-02

   Implement a Path Planning Method for Mobile Robots on the Unknown Environment

   Kuo-Lan Su, Sheng-Ven Shiau, Jr-Hung Guo and Yi-Lin Liao

   Yunlin University of Science & Technology, Taiwan

9) ICGEC-2010-IS19-03

The Idea, Analysis, and System Formation of Network Teacher Evaluation System in Chienkuo Technology University

Ming-Ching Ho and Chun-Hua Chen

Chienkuo Technology University, Taiwan

Session C01: Partical Swarm Optimization (7)
Session Chairs:
Dr. Hao Luo, Prof. Zhe-Ming Lu and Prof. Hui Li, Zhejiang University,China

1) ICGEC-2010-IS05-01

   Using an Interpolation Method to Make Classification Decision

   Hua-Jizhao and Wang-Jianguo

   YangZhou University, China

2) ICGEC-2010-IS05-02

   Method Study of Forecasting Gas Outburst Based On Rough Set

   Haining Zhang, Zhenyu Zhu and Xibin Wang

   Heilongjiang Institute of Science and Technology, China

3) ICGEC-2010-475

   An adaptive fuzzy weight PSO algorithm

   Changxin Liu, Chunjuan Ouyang,Ping Zhu, Weidong Tang and Chunjuan Ouyang

   Jinggangshan University, China

4) ICGEC-2010-464

   A best wavelet packet basis image compression algorithm based on PSO

   Chun-Juan Ouyang, Xia Li and Na Wang

   Jinggangshan University, China

5) ICGEC-2010-77

   Cloud Estimation of Distribution Particle Swarm Optimizer

   Ying Gao, Xiao Hu, Huiliang Liu and Fufang Li

   Guangzhou University, China

6) ICGEC-2010-588

   High Resolution Sonar Image Segmentation by PSO based Fuzzy Cluster Method

   Hongpo Liu, Jun Sun, Hai Wu, Shuhua Teng and Zhiguo Tan

   Henan Polytechnic Institute, China

7) ICGEC-2010-72

   A novel particle swarm optimization algorithm based on fuzzy velocity updating for multi-objective optimization

   W.A. Yang, Y. Guo and W.H Liao

   Nanjing University of Aeronautics and Astronautic, China

Session C02: Intelligent Services and Applications　(7)
Session Chairs:
Prof. Ming Zhao, Yangtze University, China

1) ICGEC-2010-IS30-04

    Design of Excitation Circuits in Ultrasonic Transducers for Fouling Detection

    Sun Lingfang, Feng Guoliang, YU JIA-qi

    Northeast Dianli University, China

2) ICGEC-2010-IS30-06

    Data-Intensive Scientific Workflows for Grid Computing with CSCL

    Rurui Zhou

    Yangtze University, China

3) ICGEC-2010-IS30-07

    Research on the Fusion Method of the Distributional Auto-adapted Dynamic Data in Smart

    Space

    Hanyun Wen

    Yangtze University, China

4) ICGEC-2010-IS30-08

    An Efficient Selection Sorting Algorithm for Two-Dimensional Arrays

    Ming Zhou and Hongfa Wang

    Zhejiang Water Conservancy and Hydropower College, China

5) ICGEC-2010-IS30-09

    Using Remote Sensing Technology for Dynamic Monitoring of Poyang Lake Area and

    Capacity

    Lei Sheng, Zhang Xiu-ping, Xu Xin-fa and Fu Qun

    Jiangxi Provincial Institute of Water Sciences, China

6) ICGEC-2010-IS30-10

    A Study on the Optimization of the Constrained Routing Problem Based on Genetic-Ant

    Colony Algorithm

    Xuan Zeng and Zhenyu Tu

    Nanchang Institute of Technology, China

7) ICGEC-2010-IS30-13

    Design of Urban Public Transportation Positioning System Based on Overlay Network

    Jie Hu, Hanyun Wen and Lei Wu

    Yangtze University, China

Session C03: Intelligent Systems and Applications (8)

1) ICGEC-2010-IS22-01

   Ant Colony System Based Mobile Robot Path Planning

   Song-Hiang Chia, Kuo-Lan Su, Jr-Hung Guo and Cheng-Yun Chung

   Wu-Feng Institute of Technology , Taiwan

2) ICGEC-2010-IS22-02

   A Similarity Reasoning Scheme for Modelling of Monotonic Multi-Input Fuzzy Inference Systems

   Kai-Meng Tay and Chee Peng Lim

   University Malaysia Sarawak, Malaysia

3) ICGEC-2010-IS22-03

   Evolutionary Neural Networks for Time Series Prediction

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

   WuFeng University, Taiwan

4) ICGEC-2010-IS22-04

   The Annual Power Demand Prediction Approach by Fuzzy-Genetic Algorithm

   Wen-Bin Lin, Chia-Ching Lin, Huann-Keng Chiang, Chien-An Chen and Liang-I Tai

   National Yunlin University of Science & Technology , Taiwan

5) ICGEC-2010-IS22-05

   The Design and Fabrication for Compact Disk recycling process by Arc-discharge

   Chia-Ching Lin, Wen-Bin Lin, Huann-Keng Chiang and Chien-An Chen

   Far East University , Taiwan

6) ICGEC-2010-IS07-01

   Node Distribution Optimization in Mobile Sensor Network Based on Multi-Objective Differential Evolution Algorithm

   Lizhong Jin, Jie Jia and Dawei Sun

7) ICGEC-2010-IS07-02

   Application of Multi-Attribute Rating Matrix in Cold-start Recommendation

   YIN Hang, CHANG Guiran, WANG Xingwei, WU Jiehong, LI Shuo

8) ICGEC-2010-IS07-04

   Application of Petri Nets in Material Supply Systems

   Zhicao Dong and Xinhui Zhao

   Artillery Command Academy, China

Poster Session: P01

1) ICGEC-2010-221

   The scheduling strategy of divisible task in virtual computing environment

   Hong Liang, Wenxing Wang, Chunling Dou and Jun Wu
   China University, China

2) ICGEC-2010-IS02-05

   A Study of Understanding Taiwanese College Students' English Language Learning

   Strategies Based on GM(0,N)

   Kate Tzu-Ching Chen, Hsaio-Ching Chen and Chung-Cheng Lu

   Chaoyang University of Technology, Taiwan

3) ICGEC-2010-IS11-06

   A Novel WLAN Indoor Positioning Algorithm based on Positioning Characteristics

   Extraction

   Yubin Xu, Yong Wang and Lin Ma

   Harbin Institute of Technology, China

4) ICGEC-2010-IS20-03

   Rule-based Phrase Identification in College English Writing

   Shi-Li Ge and Rou Song

   Guangdong University of Foreign Studies, China

5) ICGEC-2010-430

   Strategy Optimization of Laser Weapon Intercept Multi-Target Based on An Improved

   Genetic Algorithm

   Mao-Rui Zhang, Da-Wei Yang,Yong Sun and Jian-Fei Li

   Harbin Institute of Technology, China

6) ICGEC-2010-IS32-03

   Air temperature prediction based on EMD and LS-SVM

   Ding-Cheng Wang, Chun-Xiu Wang, Yong-Hua Xie and Tian-Yi Zhu
   Nanjing University, China

Poster Session: P02

1) ICGEC-2010-34

   Towards A Context-aware Middleware in Smart Car Space

   Jie Sun, YongPing Zhang and Jianbo Fan

   Ningbo University of Technology,, China

2) ICGEC-2010-IS01-01

   Authenticating User's Keystroke Based on Statistical Models

   Ying Zhang, Guiran Chang, Lin Liu and Jie Jia

Northeastern University, China

3) ICGEC-2010-IS31-16

An Intrusion Detection System Model Based on Particle Swarm Reduction

Wang Hai-Bing, Fu De-Sheng

Nanjing University of Information & Technology, China

4) ICGEC-2010-150

Study on parameters optimization in numerical machining of stainless-steel based on

MATLAB

Li dengwan, Deng weixin, Gao hongli, Xu mingheng, Chen si

Southwest Jiaotong University, China

5) ICGEC-2010-IS29-06

Performance analysis of three-tiers Wireless Sensor Networks for Urban Traffic Information

Monitoring

Huaping Yu

Yangtze University, China

6) ICGEC-2010-IS09-04

Hardware Design of Video Stabilization System based on TMS320DM642

Xiaoping Yuan and Jieyun Liu

China University of Mining and Technology, China

Poster Session: P03

1) ICGEC-2010-134

Application of Improved BCC Algorithm and RBFNN in Identification of Defect Parameters

KOU Wei, SUN Feng-rui, YANG Li and CHEN Lin-gen

Naval University of Engineering, China

2) ICGEC-2010-562

Community Mining in Complex Network Based on Parallel Genetic Algorithm

XiLu Zhu and Bai Wang

Beijing University of Posts and Telecommunications, China

3) ICGEC-2010-266

A study on the Internal Structure of Family Particle Swarm Optimization

Junhua Zhang, Zhenzhou An and Xinling Shi

Yunnan University, China

4) ICGEC-2010-IS30-02

Forecasting Corrosion Rate of Cooling Water Based on Least Squares Support Vector

Machine

Yang Shanrang, Liu Xiuwei, Cao Shengxian, Zhao Bo, Hu Yanping, Liu Fan, Men Hong and

Xu Zhiming

Northeast Dianli University, China

5) ICGEC-2010-IS07-06

Parallel Implementations of Image Processing Algorithms on Multi-Core

Ying Liu and Fuxiang Gao

Northeastern University, China

6) ICGEC-2010-620

Evaluating the Dosimetric Impact of Interfraction Variations during Image-Guided

Raiotherapy Using Six-degree-of-freedom Image Registration and Equivalent Uniform Dose

Method

Chang-Yu Wang, Yu-Jie Huang, Chun-Hsiung Fang, Jyh-Horng Chou and Tsair-Fwu Lee

National Kaohsiung University of Applied Sciences, Taiwan

Poster Session: P04

1) ICGEC-2010-IS07-05

An Architecture for Improving the Efficiency of Specialized Vertical Search Engine Based on

GPGPUs

Chuan Wang, Guiran Chang, Cheng Lü, Jingtao Han and Xingwei Wang

Northeastern University, China

2) ICGEC-2010-IS29-11

Wireless temperature measurement and control system based on MSP430F149

Wei Jia, Peng Xie and Guo-Qin Feng

Xiangfan University, China

3) ICGEC-2010-IS07-03

Shared Service Architecture for Emergency Management System Development

Qiang Guo, Guiran Chang, Dawei Sun and Xingwei Wang

Northeastern University, China

4) ICGEC-2010-IS30-11

Design of Fuzzy Logic Controllers Based on Evolvable Hardware Platform

HuaYun Yu and DaBin Zhang

Yangtze University, China

5) ICGEC-2010-IS09-09

Coal or Rock Eelectromagnetic Emission Analysis Based on Hidden Markov Model

Xiaobin Li, Jiansheng Qian, Nannan Lu, Can Cheng, Mingjun Dai and Shijie Shi

China University of Mining and Technology, China

6) ICGEC-2010-137

The Research on Chinese Coreference Resolution Based on Support Vector Machines

Yihao Zhang and Peng Jin

Leshan Teachers' College, China

Poster Session: P05

1) ICGEC-2010-IS06-05

   Integrity Measurement Model Based on Trusted Virtual Platform

   Gang Qiu, Yulei Wang and Lihua Zhou

   Xidian University, China

2) ICGEC-2010-390

   A keyword based strategy for spam topic discovery from the Internet

   Yongqin Qiu, Yan Xu, Dan Li and Hengxun Li
   Beijing Language and Culture University, China

3) ICGEC-2010-IS29-02

   A novel Electro-optical Servo control technology and its application

   Qiu-ping Wang, Shun Kang, Ling Zuo and Yuan Zhou

   Northeast Dianli University, China

4) ICGEC-2010-69

   A Dynamic Ant Colony Optimization Algorithm for the Ad Hoc Network Routing

   SUN Gai-ping, GUO Hai-wen, WANG Dezhi, WANG Jiang-hua

   North China Institute of Science and Technology, China

5) ICGEC-2010-IS30-12

   Multi-innovation stochastic gradient algorithm for Hammerstien nonlinear ARX systems

   Yuwu Liao, Li Yu and Lili Xiang

   Xiangfan University, China

6) ICGEC-2010-0348

   Performance simulating of Electric-Liquid compound diesel speed governor device

   Bailing Song and Baoquan Zhu

   Northeast Forestry University, China

Poster Session : P06

1) ICGEC-2010-53

   Vehicle Routing Problem with Simultaneous Delivery and Pick-up Based on the Improved

   Genetic Algorithm

   Nuo Zhu and Chunfu Shao

   Beijing Jiaotong University, China

2) ICGEC-2010-214

   Object Categorization using Genetic Programming

   Jyothi Korra and Susheela Devi

   Indian Institute of Science, India

3) ICGEC-2010-100

   Application of Genetic Algorithms in Product Assessment

   Jiayuan Yu
   Nanjing Normal University, China

4) ICGEC-2010-623

   Electrical biopsy for Radiation Enteropathy in Rats

   Yu-Jie Huang, Yi-Yu Lu and Kuo-Sheng Cheng

   National Cheng Kung University, Taiwan

5) ICGEC-2010-IS04-05

   A Commodity's Reputation-Based Trust Model of P2P E-Commerce Systems

   Fengyuan Zhu, Guangming Yang and Zhenhuan Tan
   Northeastern University, China

6) ICGEC-2010-IS29-03

   A Novel Rumor Routing for Wireless Sensor Network

   Yanrong Cui and Hang Qin

   Yangtze University, China

Poster Session : P07

1) ICGEC-2010-IS29-04

   Data Query Protocol Based on Minimum Spanning Tree for Wireless Sensor Network

   Yanrong Cui and Hang Qin

   Yangtze University, China

2) ICGEC-2010-IS30-03

   H∞ Robust Control of Combustion Based on the Radiant Energy Signal

   Lijun Chen, Hong Xue, Bo Sun and Zhengxing Zhou

   Northeast Dianli University, China

3) ICGEC-2010-546

   An Multiple-Data Multicast Routing Protocol for DTN

   Kuang Zhufang and Chen Shenzhao

   Central South University of Forestry & Technology, China

4) ICGEC-2010-451

   Predicting Sensitive Relationships from Email Corpus

   Hanhe Lin

   Sichuan University, China

5) ICGEC-2010-542

   An Multicast Routing Based On Ant Colony Optimization Algorithm for DTN

   Kuang Zhufang

   Central South University of Forestry & Technology, China

6) ICGEC-2010-65

   Immune genetic algorithm-based load balancing in web cluster

   Rina Su andYu Wang

7) Ningbo University of Technology, China