

**IEEE**

The Fifth International Conference on Genetic and Evolutionary Computing

Kinmen, August 29 ~ August 30, 2011, Xiamen, August 31 ~ September 1, 2011
<http://bit.kuas.edu.tw/~icgec11>

ICGEC-2011 Conference Time Table

August 29, 2011 Kinmen, Taiwan	August 30, 2011 Kinmen, Taiwan	August 31, 2011 Xiamen, China	September 1, 2011 Xiamen, China
	Keynote Speech		
Keynote Speech	Oral Sessions(B01~B03)	Keynote Speech	Post session
Lunch	Lunch	Lunch	Lunch
Oral Sessions(A01~A03)	Oral Sessions(B04~B06)	Oral Sessions(C01~C04)	Post session
Oral Sessions(A04~A06)	Oral Sessions(B07~B08)		
Dinner	Banquet		

August 29, 2011, Quemoy (Kinmen) University, Kinmen, Taiwan

10:40-11:00: Opening

11:00-12:00: Keynote Speech I

12:00-13:30: Lunch

13:30-15:00: Oral Sessions A01-A03

15:00-15:30: Break

15:30-17:00: Oral Sessions A04-A05

18:00-20:00: Dinner

August 30, 2011, Quemoy (Kinmen) University, Kinmen, Taiwan

09:30-10:30: Keynote Speech II

10:30-11:00: Break

11:00-12:00: Oral Sessions B01-B03

12:00-13:30: Lunch

13:30-15:30: Oral Sessions B04-B06

15:30-16:00: Break

16:00-17:00: Oral Sessions B07-B08

18:00-20:00: Banquet

August 31, 2011, Xiamen University, Xiamen, China

10:50-11:00: Welcome Address

11:00-12:00: Keynote Speech III

12:00-13:30: Lunch

13:30-15:30: Oral Sessions C01-C04

ICGEC-2011 Session List

A01: Computational Intelligence for Cyber-Physical System

A02: Intelligent and Ubiquitous Interactive Systems

A03: Innovative Computations and Applications

A04: Innovation in Computer Networking

A05: Innovative Computing Technology

A06: Intelligent Technique and Its Application

B01: Innovative Circuits and Systems

B02: Intelligent Computing for Living Technology Applications

B03: Intelligent Office Automation Systems

B04: Innovative Intelligent Multimedia Computing

B05: Ubiquitous Computing and Multimedia Applications

B06: High Speed Computing Architecture and Applications

B07: Multimedia Innovative Technology

B08: Intelligent Applications for Home and Medical Treatment

C01: Distributed Internet Computing and Internet of Things

C02: Computational Method Applications

C03: Intelligent Control and Embedded Systems

C04: Intelligent Management Engineering Applications

Session A01: Computational Intelligence for Cyber-Physical System

Session Chair(s):

Chien-Chou Lin, National Yunlin University of Science and Technology, Taiwan

Wen-Chung Kuo, National Formosa University, Taiwan

A01-01, Paper ID.: ICGEC-2011-IS12-01

Paper Title: Construct an Online Contest Game-Based Learning System for Junior High School Students

Author(s): Yuh-Ming Cheng

Affiliation: Shu-Te University, Taiwan

A01-02, Paper ID.: ICGEC-2011-IS12-02

Paper Title: Object-based Error Concealment in 3D Video

Author(s): Chuen-Ching Wang and Chien-Shiang Hong

Affiliation: Shu-Zen College of Medicine and Management, Taiwan

A01-03, Paper ID.: ICGEC-2011-IS12-03

Paper Title: Security on the Design of RFID Access Control Protocol using the Strategy of Indefinite-index and Challenge-response

Author(s): Bae-Ling Chen, Wen Chung Kuo, and Lih-Chyau Wu

Affiliation: National Formosa University

A01-04, Paper ID.: ICGEC-2011-IS12-04

Paper Title: The Implementation of Real-time On-line Vehicle Diagnostics and Early Fault Estimation System

Author(s): Shi-Huang Chen, Jhing-Fa Wang, YuRu Wei, John Shang, and Shao-Yu Kao

Affiliation: Shu-Te University, Taiwan

A01-05, Paper ID.: ICGEC-2011-IS12-05

Paper Title: A Fast Shape Context Matching Using Indexing

Author(s): Chien-Chou Lin and Chun-Ting Chang

Affiliation: National Yunlin University of Science and Technology, Taiwan

Session A02 : Intelligent and Ubiquitous Interactive Systems

Session Chair(s):

Jim-Min Lin, Feng-Chia University, Taiwan

Zeng-Wei Hong, Asia University, Taiwan

Yen-Lin Chen, National Taipei University of Technology, Taiwan

A02-01, Paper ID.: ICGEC-2011-IS22-01

Paper Title: A Humanoid Robot as a Teaching assistant for primary education

Author(s): Kai-Yi Chin, Chin-Hsien Wu, and Zeng-Wei Hong

Affiliation: Asia University, Taiwan

A02-02, Paper ID.: ICGEC-2011-IS22-02

Paper Title: Intelligent Physiological Monitoring and Feedback System for Driver Safety

Author(s): Yuan-Hsiang Lin, Chih-Fong Lin, Chong-Rong Wu, Yuan-Chang Hsu, and He-Zhong You

Affiliation: National Taiwan University of Science and Technology, Taiwan

A02-03, Paper ID.: ICGEC-2011-IS22-03

Paper Title: Computer Aided Diagnosis for Evaluating Colorectal Mucosal Lesions using
Narrow-Band Imaging

Author(s): Ming-Hung Tsai 1,2 , Liu Chung-Fan 2 , and Wei-Chih Shen2

Affiliation: Tungs' Taichung MetroHarbor Hospital 1
Asia University, Taiwan 2

A02-04, Paper ID.: ICGEC-2011-IS22-04

Paper Title: An Efficient Component-Based Framework for Intelligent Home-Care System Design
with Video and Physiological Monitoring Machineries

Author(s): Yen-Lin Chen, Chuan-Yen Chiang, Chao-Wei Yu, and Shyan-Ming Yuan

Affiliation: National Taipei University of Technology, Taiwan

A02-05, Paper ID.: ICGEC-2011-IS22-05

Paper Title: An Efficient Clustering Strategy for Wireless Sensor Networks

Author(s): Jong-Shin Chen and Zong-Yi Lyu

Affiliation: Chaoyang University of Technology, Taiwan

Session A03 : Innovative Computations and Applications

Session Chair(s):

Rung-Ching Chen, Chaoyang University of Technology, Taiwan

Chin-Feng Lee, Chaoyang University of Technology, Taiwan

Jiun-Jian Liaw, Chaoyang University of Technology, Taiwan

A03-01, Paper ID.: ICGEC-2011-IS07-01

Paper Title: The Development of Smart Assistive Technology Devices for Urinary Catheterization Monitoring

Author(s): Chuan-Pin Lu, Jui-Pin Li, Wei-Yi Liou, and Hung-Ming Chen

Affiliation: Meiho University, Taiwan

A03-02, Paper ID.: ICGEC-2011-IS07-02

Paper Title: Dynamic Dispatching Mechanism for Differentiated Services in Cloud Clusters

Authors: M.-L. Chiang, C.-B. Lin, Y.-R. Chen, and Y.-C. Chang

Affiliation: Chaoyang University of Technology, Taiwan

A03-03, Paper ID.: ICGEC-2011-IS07-03

Paper Title: A Light-weight Ranger Intrusion Detection System on Wireless Sensor Networks

Authors: Chia-Fen Hsieh, Yung-Fa Huang, and Rung-Ching Chen

Affiliation: Chaoyang University of Technology, Taiwan

A03-04, Paper ID.: ICGEC-2011-IS07-05

Paper Title: A Personalized Pair-Recommendation Approach Using Mobile Message Ontology

Author(s): Li-Hua Li, Fu-Ming Lee, Tsung-Jen Pu, and Chih-Wei Chen

Affiliation: Chaoyang University of Technology, Taiwan

Session A04 : Innovation in Computer Networking

Session Chair(s):

Guan-Hsiung Liaw, I-Shou University, Taiwan

Yuh-Chung Lin, Tajen University, Taiwan

A04-01, Paper ID.: ICGEC-2011-IS05-01

Paper Title: Bus Assisted Connectionless Routing Protocol for Metropolitan VANET

Author(s): Wei Kuang Lai, Kai-Ting Yang, and Meng-Chong Li

Affiliation: National Sun Yat-Sen University, Taiwan

A04-02, Paper ID.: ICGEC-2011-IS05-04

Paper Title: A TDMA Medium Access Control Mechanism for IEEE 802.11-based Wireless Networks

Author(s): Guan-Hsiung Liaw and Yen-Tung Yeh

Affiliation: I-Shou University, Taiwan

A04-03, Paper ID.: ICGEC-2011-IS05-05

Paper Title: Load-balance Directed Diffusion in Wireless Sensor Networks

Author(s): Wei Kuang Lai, Yuh-Chung Lin, Tsung-Han Chen, and Chin-Shiuh Shieh

Affiliation: Tajen University, Taiwan

A04-04, Paper ID.: ICGEC-2011-0230

Paper Title: New Anti-phishing Method with Two Types of Passwords in OpenID 802.11-based Wireless Networks

Author(s): Qingxiang Feng, Kuo-Kun Tseng, Jeng-Shyang Pan, Peng Cheng and Charles Chen

Affiliation: Harbin Institute of Technology, China

A04-05, Paper ID.: ICGEC-2011-0137

Paper Title: GSM Automatic Frequency Planning with the Aid of Genetic Algorithms

Author(s): Iyad Amro and Wasel Ghanem

Affiliation: Information Technology College, Palestine

Session A05 : Innovative Computing Technology

Session Chair(s):

Bao Rong Chang, National University of Kaohsiung, Taiwan

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

A05-01, Paper ID.: ICGEC-2011-IS06-01

Paper Title: Access Security on Cloud Computing Implemented in Hadoop System

Author(s): Bao Rong Chang, Hsiu-Fen Tsai, His-Chung Huang, and Chi-Ming Chen

Affiliation: National University of Kaohsiung, Taiwan

A05-02, Paper ID.: ICGEC-2011-IS06-02

Paper Title: The Estimation of Mixture Customer Interpurchase Length

Author(s): Hui-Hsin Hunag

Affiliation: Aletheia University, department of Business Administration, Taiwan

A05-03, Paper ID.: ICGEC-2011-IS06-03

Paper Title: The Optimal Order and Payment Policies with Discount Cash Flows Analysis under
Two Levels of Trade Credit Policy

Author(s): Chih-Te Yang, Tien-Tsai Huang, Hsiu-Feng Yen, and Liang-Ho Chen

Affiliation: Lunghwa University of Science and Technology, Taiwan

A05-04, Paper ID.: ICGEC-2011-0074

Paper Title: Accelerating Evolutionary Computation with Elite Obtained in Projected One-Dimensional
Spaces

Author(s): Yan Pei and Hideyuki Takagi

Affiliation: Kyushu University, Japan

Session A06 : Intelligent Technique and Its Application

Session Chair:

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

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

A06-01, Paper ID.: ICGEC-2011-0090 (Move to C04-07)

Paper Title: Recurrent Fuzzy Neural Network for DC- motor control

Author(s): Ahmad Faramarzi

Affiliation: Islamic Azad University, Iran

A06-02, Paper ID.: ICGEC-2011-0103

Paper Title: A Survey on Interpretability-Accuracy (I-A) Trade-Off in Evolutionary Fuzzy Systems

Author(s): Praveen Kumar Shukla and Surya Prakash Tripathi

Affiliation: Northern India Engineering College, India

A06-03, Paper ID.: ICGEC-2011-0109

Paper Title: Comparison of NEAT and HyperNEAT Performance on a Strategic Decision- Making Problem

Author(s): Jessica Lowell

Affiliation: Northeastern University, USA

A06-04, Paper ID.: ICGEC-2011-0112

Paper Title: Reusable Knowledge from Symbolic Regression Classification

Author(s): Ingo Schwab

Affiliation: Karlsruhe University of Applied Sciences, Germany

A06-05, Paper ID.: ICGEC-2011-IS05-03

Paper Title: The Role of Channel Experience in Enhancing Technology Transfer

Author(s): Chiou-Mei Chen

Affiliation: Tajen University, Taiwan

Session B01 : Innovative Circuits and Systems

Session Chair(s):

Hung-Yu Wang, National Kaohsiung University of Applied Sciences, Taiwan

B01-01, Paper ID.: ICGEC-2011-IS16-01

Paper Title: Design of Low Adder Cost FIR Digital Filters Using Graph Representation

Author(s): Chun-Wei Chiu, Hung-Yu Wang, Hsieh-Wei Lee, and Yuan-Long Jeang

Affiliation: National Kaohsiung University of Applied Sciences, Taiwan

B01-02, Paper ID: ICGEC-2011-0046

Paper Title: New hardware engine for genetic algorithms

Author(s): Fariborz Ahmadi

Affiliation: Islamic Azad University, Iran

B01-03, Paper ID.: ICGEC-2011-0129

Paper Title: A Methodology for Determining the Non-Existence of Common Quadratic Lyapunov Functions for Pairs of Stable Systems

Author(s): Rodrigo H. Ordóñez-Hurtado and Manuel A. Duarte-Mermoud

Affiliation: University of Chile, Chile

B01-04, Paper ID.: ICGEC-2011-0086 (Moved to C04-06)

Paper Title: Application of ANN Technique for DC- motor Control by using FEL Approaches

Author(s): Kamel Sabahi and Easa Narimani

Affiliation: Islamic Azad University, Iran

Session B02 : Intelligent Computing for Living Technology Applications

Session Chair(s):

Chun-Lin Lu, Kun Shan University, Taiwan

Kuo-Sheng Cheng, National Cheng Kung University, Taiwan

B02-01, Paper ID.: ICGEC-2011-IS17-01

Paper Title: An Asymmetry Printed WLAN/WiMax Dipole Antenna

Author(s): Churng-Jou Tsai, Wei-Chih Chen, Chia-Hsun Lin, Jinn-Kwei Guo, and Chun-Lin Lu

Affiliation: Kun Shan University, Tainan, Taiwan

B02-02, Paper ID.: ICGEC-2011-IS17-03

Paper Title: Design and Implementation of the Microcontroller Control System for Vertical garden Applications

Author(s): Tzu-Ching Chia and Chun-Lin Lu

Affiliation: Kun Shan University, Tainan, Taiwan

B02-03, Paper ID.: ICGEC-2011-IS17-05

Paper Title: The Daily Activity Analysis of Patient with Cardiovascular Diseases at Home

Author(s): Chun-Han Yang, Kuo-Sheng Cheng, Jue-Long Wang, and Ko-Long Lin

Affiliation: National Cheng Kung University, Tainan, Taiwan

B02-04, Paper ID.: ICGEC-2011-0083

Paper Title: Genetic Algorithms with Random Coordinates for Route Planning on a 3D Terrain

Author(s): Ozer Ozdakis

Affiliation: Middle East Technical University, Turkey

Session B03 : Intelligent Office Automation Systems

Session Chair(s):

Jiann-Gwo Doong, China University of Technology, Taiwan

B03-01, Paper ID.: ICGEC-2011-IS15-01

Paper Title: Assistive Technology for the Struggling Learner: Chinese PCS Editing Processor

Author(s): Chi Nung Chu and Yu Ting Huang

Affiliation: China University of Technology, Taiwan

B03-02, Paper ID.: ICGEC-2011-IS15-02

Paper Title: Step-Locked Data Transformation in Personal Filing Systems

Author(s): Jiann-Gwo Doong,

Affiliation: China University of Technology, Taiwan

B03-03, Paper ID.: ICGEC-2011-0057

Paper Title: Design and Implementation of Live SD Acquisition Tool in Android Smart Phone

Author(s): Sheng-Wen Chen, Chung-Huang Yang and Chien-Tsung Liu

Affiliation: National Kaohsiung Normal University Kaohsiung, Taiwan

B03-04, Paper ID.: ICGEC-2011-0094

Paper Title: A Cross-Platform Mobile Learning System Using QT SDK Framework

Author(s): Babatunde Akinkuolie and Shyan Ming Yuan

Affiliation: National Chiao Tung University, Taiwan

Session B04 : Innovative Intelligent Multimedia Computing

Session Chair(s):

Chih-Yang Lin, Asia University, Taiwan

Chi-Shiang Chan, Asia University, Taiwan

B04-01, Paper ID.: ICGEC-2011-IS03-01

Paper Title: Comments on a Secret-key-privacy-preserving Authentication and Key Agreement Scheme

Author(s): Ya-Fen Chang, Jhih-Yi Lin, and Yuo-Ju Yen

Affiliation: National Taichung Institute of Technology, Taiwan

B04-02, Paper ID.: ICGEC-2011-IS03-02

Paper Title: A Novel Cluster-based Difference Expansion Transform for Lossless Data Hiding

Author(s): Yuan-Yu Tsai and Chi-Shiang Chan

Affiliation: Asia University, Taiwan

B04-03, Paper ID.: ICGEC-2011-IS03-03

Paper Title: Intelligent Projector System based on Computer Vision

Author(s): Chih-Yang Lin, Wei-Wen Chang, and Yi-Hui Chen

Affiliation: Asia University, Taiwan

B04-04, Paper ID.: ICGEC-2011-IS03-04

Paper Title: An Efficient V-Fairness (t, n) Threshold Secret Sharing Scheme

Author(s): Jen-Ho Yang, Chin-Chen Chang, and Chih-Hung Wang

Affiliation: Kainan University, Taiwan

B04-05, Paper ID.: ICGEC-2011-IS03-05

Paper Title: Detection System of Smoking Behavior Based on Face Analysis

Author(s): Wen-Chuan Wu and Chun-Yang Chen

Affiliation: Aletheia University, Taiwan

B04-06, Paper ID.: ICGEC-2011-IS03-06

Paper Title: Quantization- and Prediction-Based Image Authentication and Recovery

Author(s): Wen-Chuan Wu and Yi-Pei Hsieh

Affiliation: Aletheia University, Taiwan

B04-07, Paper ID.: ICGEC-2011-IS03-07

Paper Title: A Verifiable Visual Cryptography Scheme

Author(s): Yi-Hui Chen, Ci-Wei Lan, and Chiao-Chih Huang

Affiliation: Asia University, Taichung, Taiwan

Session B05 : Ubiquitous Computing and Multimedia Applications

Session Chair(s):

Cheng-Hsing Yang, National Pingtung University of Education, Taiwan

Chin-Feng Lee, Chaoyang University of Technology, Taiwan

B05-01, Paper ID.: ICGEC-2011-IS04-01

Paper Title: A New Scheme for Data Hiding on Halftone Images

Author(s): Hsin-Lung Wu, Jen-Chun Chang, Te-Chih Chou, and Wei-Ming Lai

Affiliation: National Taipei University, Taiwan

B05-02, Paper ID.: ICGEC-2011-IS04-02

Paper Title: The First Robust Image Tamper Detection Scheme under Brightness

Author(s): Jau-Ji Shen and Wei-Cheng Huang

Affiliation: National Chung Hsing University, Taiwan

B05-03, Paper ID.: ICGEC-2011-IS04-03

Paper Title: Reversible Watermarking Scheme with Visibility Using Randomize Distance

Author(s): Min-Hao Wu, Fu-Hau Hsu, Cheng-Hsing Yang, and Shiuh-Jeng Wang

Affiliation: National Pingtung University of Education, Taiwan

B05-04, Paper ID.: ICGEC-2011- IS04-04

Paper Title: Reversible Data Hiding Based on VQ Compression Code

Author(s): Chin-Feng Lee and Ming-Chi Shih

Affiliation: Chaoyang University of Technology, Taiwan

B05-05, Paper ID.: ICGEC-2011-IS04-05

Paper Title: Hybrid Temporal Pattern Mining with Time Grain on Stock Index

Author(s): Sheng Xiang Fan, Jieh-Shan Yeh, and Yaw-Ling Lin

Affiliation: Providence University, Taiwan

B05-06, Paper ID.: ICGEC-2011-IS04-06

Paper Title: Classification Method Incorporating Decision Tree with Particle Swarm Optimization

Author(s): Chien-Lung Chan, Cheng-Yang Lee, Nan-Ping Yang, and Sheng-Yuan Shen

Affiliation: Yuan Ze University, Taiwan

B05-07, Paper ID.: ICGEC-2011-IS04-07

Paper Title: A Privacy Preserved Two-party Equality Testing Protocol

Author(s): Shih-Fong Ciou and Raylin Tso

Affiliation: National Chengchi University, Taiwan

Session B06 : High Speed Computing Architecture and Application

Session Chair(s):

Jim-Min Lin, Feng Chia University, Taiwan

B06-01, Paper ID.: ICGEC-2011-IS23-01

Paper Title: The Design and Evaluation of GPU based Memory Database

Author(s): Chia-Feng Lin and Shyan-Ming Yuan

Affiliation: National Chiao Tung University, Taiwan

B06-02, Paper ID.: ICGEC-2011-IS23-02

Paper Title: Speeding Up Subquadratic Finite Field Multiplier Over GF(2^m) Generated By Trinomials Using Toeplitz Matrix-Vector With Inner Product Formula

Author(s): Chiou-Yng Lee

Affiliation: Lunghwa University of Science and Technology, Taiwan

B06-03, Paper ID.: ICGEC-2011-IS23-03

Paper Title: Novel Mastrovito multiplier over GF(2^m) using trinomial

Author(s): Che Wun Chiou, Chi Ting Ma, Jim-Min Lin, and Chiou-Yng Lee

Affiliation: Ching Yuan University, Taiwan

B06-04, Paper ID.: ICGEC-2011-IS23-04

Paper Title: A Framework for the RFID Information Security and Privacy Protection

Author(s): Chih-yung Chen

Affiliation: St. John's University, Taiwan

B06-05, Paper ID.: ICGEC-2011-IS23-05

Paper Title: Event Mining and Indexing in Basketball video

Author(s): Yung-Hui Chen, Lawrence Y. Deng

Affiliation: St. John's University, Taiwan

Session B07 : Multimedia Innovative Technology

Session Chair(s):

Wu-Chih Hu, National Penghu University of Science and Technology, Taiwan

Deng-Yuan Huang, Dayeh University, Taiwan

B07-01, Paper ID: ICGEC-2011-IS02-01

Paper Title: Eye Detection Based on Skin Color Analysis with Different Poses under Varying Illumination Environment

Author(s): Deng-Yuan Huang, Ta-Wei Lin, Wu-Chih Hu, and Mu-Song Chen

Affiliation: Dayeh University, Taiwan

B07-02, Paper ID: ICGEC-2011-IS02-02

Paper Title: VQ-Based Fuzzy Compression Systems Designs through Bacterial Foraging Particle Swarm Optimization Algorithm

Author(s): Hsuan-Ming Feng and Ji-Hwei Horng

Affiliation: National Quemoy University, Taiwan

B07-03, Paper ID: ICGEC-2011-IS02-03

Paper Title: Automatic Facial Skin Defects Detection and Recognition System

Author(s): Chuan-Yu Chang and Heng-Yi Liao

Affiliation: National Yunlin University of Science and Technology, Taiwan

B07-04, Paper ID: ICGEC-2011-0051

Paper Title: Probe Mastery Knowledge in E-learning model With Web Technology-The Effective factors by Flow theory

Author(s): Hui-To Lin, Su-Hwa Lin Huang

Affiliation: Cheng Shiu University, Taiwan

Session B08 : Intelligent Applications for Home and Medical Treatment

Session Chair(s):

Nai-Bin Hsu, Yuanpei University, Taiwan

Jen-Chu Liu, , Yuanpei University, Taiwan

B08-01, Paper ID.: ICGEC-2011-IS20-01

Paper Title: A Mobile Phone Base Sensory Integration Training Software

Author(s): Wen-Pinn Fang and Shun-Yi Pen

Affiliation: Yuanpei University, Taiwan

B08-02, Paper ID.: ICGEC-2011-IS20-03

Paper Title: A Preoperative 3D Computer-aided Diagnosis System for Lung Tumor

Author(s): You-Wei Wang and Chii-Jen Chen

Affiliation: Yuanpei University, Taiwan

B08-03, Paper ID.: ICGEC-2011-0134

Paper Title: Immunity-inspired Host-based Intrusion Detection Systems

Author(s): Chung-Ming Ou and C.R. Ou

Affiliation: Kainan University, Taiwan

B08-04, Paper ID.: ICGEC-2011-0077

Paper Title: Application of Gravity Vectors and Moving Vectors for the Acceleration of both
Differential Evolution and Interactive Differential Evolution

Author(s): Ryohei Funaki and Hideyuki Takagi

Affiliation: Kyushu University, Japan

Session C01 : Distributed Internet Computing and Internet of Things

Session Chair(s):

Guiran Chang, Northeastern University, China

C01-01, Paper ID: ICGEC-2011-IS14-01

Paper Title: Research on Architecture, Cross-layer MAC Protocol for Wireless Sensor Networks

Author(s): Lizhong Jin, Jie Jia, Dong Chen, Fengyun Li, Zhicao Dong, and Xue Feng

Affiliation: Northeastern University, China

C01-02, Paper ID: ICGEC-2011-IS14-02

Paper Title: A Load Balanced Routing Protocol Based on Ant Colony Algorithm for Wireless Mesh Networks

Author(s): Chunxiao Liu, Guiran Chang, Jie Jia, Lizhong Jin, and Fengyun Li

Affiliation: Northeastern University, China

C01-03, Paper ID: ICGEC-2011-IS14-03

Paper Title: Improved Particle Swarm Optimization for Fuzzy Neural Network Training

Author(s): Chengjun Jin, Guiran Chang, Wei Cheng, and Huiyan Jiang

Affiliation: Northeastern University, China

C01-04, Paper ID: ICGEC-2011-IS14-04

Paper Title: Efficient Traffic Aware Multipath Routing Algorithm in Cognitive Networks

Author(s): Jie Li, Xingwei Wang, Feng Li, and Jie Jia

Affiliation: Northeastern University, China

C01-05, Paper ID: ICGEC-2011-IS14-05

Paper Title: A Vertical Search Engine for Energy Conservation and Environmental Protection

Author(s): Chuan Wang, Lizhong Jin, and Na Zhou

Affiliation: Northeastern University, China

C01-06, Paper ID: ICGEC-2011-IS14-06

Paper Title: A Novel Secure Architecture for the Internet of Things

Author(s): Dong Chen, Guiran Chang, Lizhong Jin, Xiaodong Ren, and Fengyun Li

Affiliation: Northeastern University, China

C01-07, Paper ID: ICGEC-2011-IS14-07

Paper Title: Composite Service Adaptation Supported Environmental Monitoring System

Author(s): Fei Li, Bin Zhang, and Liang Ge

Affiliation: Northeastern University, China

Session C02 : Computational Method Applications

Session Chair(s):

Zhong Chen, Yangtze University, China

Ming Zhao, Yangtze University, China

C02-01, Paper ID.: ICGEC-2011-IS18-01

Paper Title: Evaluation of Intrusion Detection System Based on Evaluation Model

Author(s): Xianghui Zhou, Wei Wan, and Hengqing Tong

Affiliation: Yangtze University, China

C02-02, Paper ID.: ICGEC-2011-IS18-02

Paper Title: A multi-objective Evolution Algorithm based Oil Field Stimulation Measure Programming

Author(s): Bixin Hu

Affiliation: Yangtze University, China

C02-03, Paper ID.: ICGEC-2011-IS18-03

Paper Title: An Improved Algorithm for the Numerical Filtering Algorithm of Inverse Laplace Transforms

Author(s): Zhen-ping Xu and Ming-Jiang Li

Affiliation: Yangtze University, China

C02-04, Paper ID.: ICGEC-2011-IS18-04

Paper Title: Application of Improved Apriori Algorithm on Educational Information

Author(s): Qiang Yang and Yanghong Hu

Affiliation: Yangtze University, China

C02-05, Paper ID.: ICGEC-2011-IS18-05

Paper Title: Applied Research on Discriminative-adaptive Neural Network Algorithm in Indoor Positioning System

Author(s): Youfu Du, Yanhong Hu, and Ming Zhao

Affiliation: Yangtze University, China

C02-06, Paper ID.: ICGEC-2011-IS18-06

Paper Title: Constrained CMA-Based Blind Multiuser Detection for DS-CDMA UWB in a Realistic Indoor Channel

Author(s): Zhengqiang Wang and Ming Zhao

Affiliation: Xiangfan University, China

C02-07, Paper ID.: ICGEC-2011-IS11-01

Paper Title: Novel Cooperation Mechanism to Enforce Security in Wireless Sensor Networks

Author(s): Fengyun Li, Guiran Chang, Fuxiang Gao, and Lan Yao

Affiliation: Northeastern University, China

Session C03 : Intelligent Control and Embedded Systems

Session Chair(s):

Ming Zhao, Yangtze University, China

Youfu Du, Yangtze University, China

C03-01, Paper ID.: ICGEC-2011-IS19-01

Paper Title: Symmetry Auto-detection based on Contour and Corner Models

Author(s): Ming Zhao, Chih-Yu Hsu, Zhenyu Meng, Kuo-Kun Tseng, and Jeng-Shyang Pan

Affiliation: Harbin Institute of Technology, China

C03-02, Paper ID.: ICGEC-2011-IS19-02

Paper Title: Research on The Properties of B-net and it's Application

Author(s): Yuncai Zhou

Affiliation: Yangtze University, China

C03-03, Paper ID.: ICGEC-2011-IS19-03

Paper Title: RCBA: An Efficient Annotation Tool for Community E-Learning

Author(s): Feng Lu and Xin Li

Affiliation: Yangtze University, China

C03-04, Paper ID.: ICGEC-2011-IS19-04

Paper Title: Application of Information Fusion Method Based on Generalized Regression Neural Network in Hydrocarbon Reservoir Evaluation Studies

Author(s): Hanyun Wen

Affiliation: Yangtze University, China

C03-05, Paper ID.: ICGEC-2011-IS19-05

Paper Title: Evacuation Model based on Ellipse Sound Wave Diffusion

Author(s): Yanrong Cui

Affiliation: Yangtze University, China

C03-06, Paper ID.: ICGEC-2011-IS19-06

Paper Title: Design of Remote Video Monitoring System Based On Arm-Linux Platform and HTTP Protocol

Author(s): Jie Hu, Kai Wang, and Shengchao Wang

Affiliation: Yangtze University, China

C03-07, Paper ID.: ICGEC-2011-IS19-07

Paper Title: Evolutionary Interval Fingerprint for Wireless Network

Author(s): Kuo-Kun Tseng, Wei Wei, Jeng-Shyang Pan, Chih-Yu Hsu, Shuo-Tsung Chen and LingLing Tang

Affiliation: Harbin Institute of Technology, China

C03-08, Paper ID.: ICGEC-2011-IS19-08

Paper Title: Design on Wireless Access Control System based on Electrocardiogram

Author(s): FuFu Zeng, Kuo-Kun Tseng, Ming Zhao, Jeng-Shyang Pan, Huang-Nan Huang, Chih-Yu Hsu, and Shuo-Tsung Chen

Affiliation: Harbin Institute of Technology, China

Session C04 : Intelligent Management Engineering Applications

Chair(s):

Junzo Watada, Waseda University, Japan

C04-01, Paper ID.: ICGEC-2011-IS21-01

Paper Title: Robust Color Image Segmentation by Karhunen-Loeve Transform based Otsu Multi-thresholding and K-means Clustering

Author(s): Chenxue Wang and Junzo Watada

Affiliation: Waseda University, Japan

C04-02, Paper ID.: ICGEC-2011-IS21-02

Paper Title: Fuzzy Game-based Real Option Analysis in Competitive Investment Situation

Author(s): Tanatch Tangsajanaphakul and Junzo Watada

Affiliation: Waseda University, Japan

C04-03, Paper ID.: ICGEC-2011-IS21-03

Paper Title: Height Estimation using Particle Filter in Human Tracking

Author(s): Zhenyuan Xu and Junzo Watada

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C04-04, Paper ID.: ICGEC-2011-IS21-04

Paper Title: Building a Memetic Algorithm Based Support Vector Machine for Imbalanced Classification

Author(s): Wu Mingnan, Junzo Watada, Zuwarie Ibrahim, and Marzuki Khalid

Affiliation: Waseda University, Japan

C04-05, Paper ID.: ICGEC-2011-0145

Paper Title: TCP Connection Management Model in Complex Topology Network

Author(s): Wu Zhigang

Affiliation: Beijing University of Posts and Telecommunications, China

C04-06, Paper ID.: ICGEC-2011-0086

Paper Title: Application of ANN Technique for DC- motor Control by using FEL Approaches

Author(s): Kamel Sabahi and Easa Narimani

Affiliation: Islamic Azad University, Iran

C04-07, Paper ID.: ICGEC-2011-0090

Paper Title: Recurrent Fuzzy Neural Network for DC- motor control

Author(s): Ahmad Faramarzi

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