

## The Workshop of CIS 2005 Final Program

	<b>Thursday, 15<sup>th</sup> December</b>	
8:30 am-10:15 am	<b>Room C: IS</b> 762, 966, 1258, 1176, 167, 1490, 2069	<b>Room D: APP</b> 1468, 2044, 1635, 1808, 2123, 900, 1018
10:15 am-10:30 am	<i>Tea/Coffee Break</i>	
10:30 am-12:05 pm	<b>Room C: IS</b> 2096, 1327,1270,1581, 1295, 1470	<b>Room D: APP</b> 1165, 1449, 296, 990, 1033, 122
12:05 pm-13:30 pm	<i>Lunch</i>	
13:30 pm-15:30 pm	<b>Room C: CI</b> 1694, 2100, 513, 1779, 1804, 1957,1004, 1232	<b>Room D: APP</b> 1553, 348, 768, 1666, 692, 1685, 461
15:30 pm-15:45 pm	<i>Tea/Coffee Break</i>	
15:45 pm-18:00 pm	<b>Room C: CI</b> 1613, 68, 2086, 1933, 70, 2082, 1293, 2045, 765	<b>Room D: APP</b> 552, 1373, 1591, 1954, 1656
18:00 pm-19:00 pm	<i>Dinner</i>	

# Detailed Program of the Workshop of CIS 2005

Thursday, 15<sup>th</sup> December

## Room C: IS (8:30 am - 10:15 am, Information Security)

Session Chair: Prof. Siu Nang-Bruce Cheung and Prof. Timo Mantere

1. *Richard W.C. Lui, Sherman S.M. Chow, Lucas C.K. Hui, S.M. Yiu, Bruce S.N. Cheung* - Decryption Delegation Infrastructure.
2. *Xiaoqi Ma, Xiaochun Cheng, Rachel McCrindle* - Secrecy Proofs of SET Purchase Request Phase.
3. *S. M. Haider Aejaaz, I. M. Ghauri* - Chaotic Encryption.
4. *Chang Han Kim, Yongtae Kim* - A Parallel Architecture for Type  $k$  Gaussian Normal Basis Multiplication over  $GF(2^m)$ .
5. *Jongoh Choi, VanDong Nguyen, Si-Ho Cha, JooSeok Song* - Constructing Arithmetic Architectures for Composite Finite Fields  $GF((q^m)^q)$ , where  $q=2, 3$ .
6. *Ratsameetip Wita, Yunyong Teng-amnuay, Kraisie Anchanon, Patinya Janluechai* - A Framework for Application Survivability in Vulnerable Operational Environment.
7. *Xia Li, Jill Slay, Shaokai Yu* - Evaluating Trust in Mobile Ad Hoc Network.

## Room D: APP (8:30 am - 10:15 am, Applications)

Session Chair: Prof. Xiamu Niu

1. *Arshad Aziz, Nassar Ikram* - A High Throughput Implementation of AES on a Low Cost FPGA.
2. *SuJung Yu, MoonGyung Kim, JooSeok Song, YongSurk Lee* - Word-Based Montgomery Modular Exponentiation for an Efficient Implementing RSA on 32-Bit Processor.
3. *Jiri Klema, Ahmad Almonayyes* - Categorizing Fanatic Documents Using Random Forest Classifier.
4. *Ming-Lai Li, Heung-Num Kim, Jason J.Jung, Geun-Sik Jo* - Profit-based Association Rule Mining.
5. *Sen Xu, Manton Matthews, Chin-Tser Huang, Jingshan Huang* - Security Issues in Privacy and Key Management Protocols of 802.16.
6. *Ye Tian, Di Wu, Kam-Wing Ng* - GroupRep: A Robust Group-based Reputation System for Peer-to-Peer Networks.
7. *Chao Li, Armando Barreto* - Integrated 3D Expression Recognition and Face Recognition.

10:15 am – 10:30 am      *Tea/Coffee Break*

## Room C: IS (10:30 am - 12:05 pm, Information Security)

## **Session Chair: Prof. Siu Nang-Bruce Cheung**

1. *Matias Fallenius, Teemupekka Virtanen* - Security Policy Models and Languages in Practice.
2. *Kwo-Jean Farn, Shu-Kuo Lin, Chi-Chun Lo* - A Study on e-Taiwan Information System Security Classification and Implementation.
3. *Woo-Sug Jung, Seok-Min Kang, Youngseok Lee, Taek-geun Kwon* - An Efficient Multi-Packet Inspection Scheme without Packet Reassembly.
4. *Keisuke Takemori, Yutaka Miyake, Toshiaki Tanaka* - A Comparing Technique of Attack Frequencies on a Network Axis to Detect Anomaly Behavior.
5. *Ricky W.M. Tang, S.M. Yiu, Bruce Cheung, Lucas C.K. Hui, Joe C.K. Yau* - Solving Dilemmas in Information Security Policy.
6. *Keonwoo Kim, Hangrok Lee, Kyoil Chung* - Vulnerability of Lightweight RFID Security Protocols and Analysis about EPC Class 1 and C1G2 Security.

## **Room D: APP (10:30 am - 12:05 pm, Applications)**

### **Session Chair: Prof. Xiamu Niu**

1. *Zhang Yigang, Li Qiong, Hao Kecheng, Niu Xiamu* - The Design of Iris-Hash Algorithm Based IC Card Access Control System.
2. *Wai Han Ho, Paul Watters* - Ecological Validity of Face Recognition Research.
3. *Yu-Long Qiao, Jeng-Shyang Pan, Sheng-He Sun* - Fast Algorithms for K Nearest-Neighbor Classifier: A Comparative Study.
4. *Gu-Min Jeong, Hyun-Sik Ahn* - JPEG Quantization Table Design for Face Images and Its Application to Face Recognition.
5. *Yu-Long Qiao, Zhe-Ming Lu, Sheng-He Sun* - Feature Based on Wavelet Frame Representation for Texture Classification.
6. *Ruiqiang Shang, Jianli Zhao, Guangxing Wang* - A New Fast Direct P Code Acquisition Algorithm.

**12:05 pm - 13:30 pm**

**Lunch**

## **Room C: CI (13:30 pm - 15:30 pm, Computational Intelligence)**

### **Session Chair: Prof. Lupton William and Prof. Timo Mantere**

1. *YoungJoon Chai, TaeYong Kim* - Dependency Connection for Game State Analysis Using Petri Net.
2. *Hyun-Sik Ahn, Gu-Min Jeong* - Direct Learning Control for Linear Feedback Systems.
3. *Hakima Mellah, Salima Hassas, Habiba Drias* - From Cooperation to Self Organization of a Telemaintenance Process.
4. *Cha-Seop Im, TaeYong Kim, Sang-Won Um, SeongHo Baek* - Flexible Platform Architecture for Developing Game NPC Intelligence with Load Sharing.
5. *Vojislav Stojkovic, Grace Steele, William Lupton* - An Agent-Oriented Approach to Find All Solutions to the Longest Common Subsequence (LCS) Problem
6. *Kyungkoo Min, Harksoo Kim, Jungyun Seo* - A Schedule Extraction System with High Domain Portability Using Shallow NLP Techniques.

7. *Mahamed G. H. Omran, Andries P Engelbrecht, Ayed Salman* - Using Neighborhood Topologies with Differential Evolution.
8. *Sang-Wook Lee, S.M. Soak, N. P Mahalik, B. H. Ahn* - Real World Tournament Selection: Mathematical and Empirical Analysis

### **Room D: APP (13:30 pm - 15:30 pm, Applications)**

**Session Chair: Prof. Xiamu Niu**

1. *Woobeom Lee, Youngho Sohn, Wookhyun Kim* - Automatic Browsing and Extracting the Texture Region of Interest from Texture Image.
2. *He Wang, Zhe-Ming Lu* - Image Retrieval Based on Shape and Texture Watermarks.
3. *Long-zhe Han, Hakmo Yang, Yeonseung Ryu* - An Intelligent Flash Memory Software.
4. *Osslan Osiris Vergara Villegas, Raúl Pinto Elias, Andrea Magadan Salazar, Marco Antonio Martínez Pérez* - Wavelet Lossy Image Compression: An Application to Pattern Recognition.
5. *Sang-Ho Cheon, Hyung jin Choi, Ki hyeon Kwon* - Implementation of Non-SQL Data Server Framework Applying Web Tier Object Modeling.
6. *HyoJoo Park, TaeYong Kim* - Traffic Analysis and Modeling for Network Games.
7. *Xia Xiao Xin, Tay Teng Tiow, Bharadwaj Veeravalli* - Dynamic Data Dependence Identification Using Phases Analysis.

**15:30 pm -15:45 pm**      ***Tea/Coffee Break***

### **Room C: CI (15:45 pm - 18:00 pm, Computational Intelligence)**

**Session Chair: Prof. Lupton William**

1. *Timo Mantere* - A Min-Max Genetic Algorithm for Min-Max Problems.
2. *Yibo Hu, Yuping Wang* - A Bi-objective Evolutionary Algorithm Based on Ranking for Constrained Optimization.
3. *Salihin F. Shoeeb, Raja N. Aimon, Roziati Zainuddin* - An Evolutionary Program for a Malaysian School Timetabling Problem.
4. *Miao Kang, Dominic Palmer-Brown* - An Adaptive Function Neural Network (ADFUNN) for Function Recognition.
5. *Jingxuan Wei, Yuping Wang* - An Attraction Based Evolutionary Algorithm for Global Optimization Problems.
6. *Jacek Frankowski* - Neural Network with Hybrid Learning Strategy for Financial Time Series Forecasting.
7. *Devinder Thapa, Gi-Nam Wang* - Intelligent Agent Based Multi Perspective Dynamic Decision Model for Ubiquitous Healthcare System.
8. *Hyunchul Ahn, Kyoung-jae Kim, Ingoo Han* - Ordinal Pairwise Partitioning Approach to Multiclass Support Vector Machines Training in Bond Ratings.
9. *Sin-Jae Kang, Jong-Wan Kim, Wun-Ho Hwang, Sae-Bom Lee* - Analyzing the Effect of Lexical Information and Thesaurus in Spam-mail Filtering System

### **Room D: APP (15:45 pm - 18:00 pm, Applications)**

## **Session Chair: Prof. Xiamu Niu**

1. *Soo Hyun Oh, Jin Kwak, Daesung Kwon* - Randomized RFID Identification system for Protecting User's Privacy.
2. *Chul-Hyun Park, Joon-Jae Lee, Byung-Gook Lee* - Fingerprint Image Enhancement Using the Directional Filter Bank and Oriented Anisotropic Gaussian Filters.
3. *SeongHo Baek, TaeYong Kim, JongSu Kim, ChaSeop Im Chan Lim* - Aim Position Calibration with Infrared LED Tracking System for Game Interface.
4. *Yih-Jiun Lee, Peter Henderson* - A Modelling Notation for Grid Computing.
5. *Osslan Osiris Vergara Villegas, Raúl Pinto Elías, Vianey Guadalupe Cruz Sánchez* - Lossy Image Compression for Object Recognition Using Singular Value Decomposition.

***18:00 pm-19:00 pm    Dinner***