

PAISI 2008 Program

June 17, 2008 (Tuesday)

7:30 - 8:30 AM Registration

8:30 - 9:00 AM **Opening and Keynote Speech by Hsinchun Chen**

9:00 - 9:15 AM **Break**

9:15 - 10:40 AM **Session 1A: Information Retrieval & Event Detection**

Chinese Word Segmentation for Terrorism-related Contents (LONG)

Daniel Zeng, Donghua Wei, Michael Chau and Feiyue Wang

Sequence Matching for Suspicious Activity detection in Anti-Money Laundering (LONG)

Xuan Liu, Pengzhu Zhang and Dajun Zeng

A Term Association Inference Model for Single Documents: A Stepping Stone for Investigation through Information Extraction (SHORT)

Sukanya Manna and Tom Gedeon

Session 1B: Internet Security & Cybercrime

Method for Evaluating the Security Risk of a Website against Phishing Attacks (LONG)

Young-Gab Kim, Jun-Sub Lee, Sanghyun Cho, Min-Soo Lee, In Ho Kim and Sung Hoon Kim

CyberIR – A Technological Approach to Fight Cybercrime (LONG)

Shihchieh Chou and Weiping Chang

Data Protection in Memory using Byte Reordering (SHORT)

Hyun Jun Jang, Dae Won Hwang and Eul Gyu Im

10:40 AM - 12:00 PM **Session 2A: Cryptography**

The Banknote Anti-forgery System Based on Digital Signature Algorithms (LONG)

Shenghui Su, Yongquan Cai and Changxiang Shen

Provably Secure Password-Based Three-Party Key Exchange with Optimal Message Steps (LONG)

Hung-Yu Chien

A Pairwise Key Pre-distribution Scheme for Wireless Sensor Networks (SHORT)

Hui-Feng Huang

Session 2B: Modeling and Visualization

Integrating data sources and network analysis tools to support the fight against organized crime (LONG)

Luigi Ferrara, Christian Martenson, Pontus Svenson, Per Svensson, Justo Hidalgo, Anastasio Molano and Anders Madsen

Visual Analytics for Supporting Entity Relationship Discovery on Text Data (LONG)

Hanbo Dai, Ee-Peng Lim, Hady W. Lauw and HweeHwa Pang

12:00 - 1:00 PM **Lunch**

1:00 - 2:30 PM **Session 3A: Privacy Issues**

Privacy-Preserving Collaborative Social Networks (LONG)

Justin Zhan, Gary Blosser and Chris Yang

Efficient Secret Authenticatable Anonymous Signcryption Scheme with Identity Privacy (LONG)

Mingwu Zhang

How to Publicly Verifiably Expand a Member without Changing Old Shares in a Secret Sharing Scheme (LONG)

Jia Yu, Fanyu Kong, Rong Hao and Xuliang Li

Session 3B: Image & Video Analysis

Attacks on SVD-Based Watermarking Schemes (LONG)

Huo-Chong Ling, Raphael C.-W. Phan, and Swee-Huay Heng

Trigger Based Security Alarming Scheme for Moving Objects on Road Networks (LONG)

SAJIMON ABRAHAM and SOJANLAL P

Reducing False Alarm of Video-based Smoke Detection by Support Vector Machine (LONG)
Chan-Yun Yang, Wei-Wen Tseng and Yao-Wen Hsueh

2:30 - 2:45 PM	Break
2:45 - 4:00 PM	Session 4A: Network Intrusion Detection Feature Weighting and Selection for a Real-Time Network Intrusion Detection System Based on GA with KNN (LONG) <i>Ming-Yang Su, Kai-Chi Chang, Hua-Fu Wei and Chun-Yuen Lin</i> Locality-based Server Profiling for Intrusion Detection (LONG) <i>Robert Lee and Sheau-Dong Lang</i> Session 4B: Social Networks Comparing Two Models for Terrorist Group Detection: GDM or OGDM? (LONG) <i>Fatih OZGUL, Zeki ERDEM and Hakan AKSOY</i> Applying Case-Based Reasoning and Expert Systems to Coastal Patrol Crime Investigation in Taiwan (LONG) <i>Chung Chang and Kuo Hua</i>
4:00 - 5:00 PM	Panel: Balancing ISI Requirements and Human Rights and Privacy <i>Hsinchun Chen, Bhavani Thurasingham, David Skillicorn, Jau-Hwang Wang</i>
5:00 - 6:30 PM	Break
6:30 - 8:30 PM	Welcome Reception and Poster Session