

Conference Program

August 17, 2009

Registration 14:00-17:30

August 18, 2009

Opening 08:30-09:00

Keynote Speech A 09:00-10:00

Coffee Break

Sessions A01-A05 10:20-12:20

Lunch

Sessions A06-A10 14:00-16:00

Coffee Break

Sessions A11-A15 16:20-18:20

Welcome Reception 18:30-20:30

August 19, 2009

Keynote Speech B 09:00-10:00

Coffee Break

Sessions B01-B04 and Session P01 10:20-12:05

Lunch

Sessions B05-B08 and Session P02 14:00-15:50

Coffee Break

Sessions B09-B12 and Session P03 16:10-18:10

Conference Banquet..... 19:00-21:00

August 20, 2009

Keynote Speech C 09:00-10:00

Coffee Break

Sessions C01-C04 and Session P04 10:20-12:20

Lunch

Sessions C05-C08 and Session P05 14:00-16:00

Coffee Break

Sessions C09-C12 and Session P06 16:20-18:10

Farewell Party 18:30-19:30

Conference Schedule

August 18, 2009					
7:00 20:00	Registration <i>Lobby</i>				
18:30 20:30	Welcome Reception <i>Long Fei Gong (1F)</i>				
August 18, 2009					
8:30 9:00	Opening <i>Main Hall</i>				
9:00 10:00	Keynote Speech A <i>Main Hall</i>				
10:00 10:20	Coffee Break				
10:20 12:20	Session A01: Digital Rights Management (I)	Session A02: Multimedia in Ubiquitous Computing and Security Services	Session A03: Image Processing and Intelligent Control (I)	Session A04: Video Coding Scheme and Image Filtering	Session A05: Fuzzy Applications and Anti-worm Attack
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
12:20 14:00	Lunch <i>Long Fei Gong (1F)</i>				
14:00 16:00	Session A06: System-on-Chip for Signal Processing	Session A07: Data Hiding Techniques	Session A08: Digital Rights Management (II)	Session A09: Image Processing and Intelligent Control (II)	Session A10: Encryption and Watermarking
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
16:00 16:20	Coffee Break				
16:20 18:20	Session A11: Cryptography and Its Application	Session A12: Image Retrieval and Image Analysis	Session A13: Clustering, Target Detection, and Feature Analysis	Session A14: Swarm Intelligence and Data Mining	Session A15: Internet Protocol Techniques
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>

August 19, 2009					
9:00 10:00	Keynote Speech B <i>Main Hall</i>				
10:00 10:20	Coffee Break				
10:20 12:05	Session B01: Information Security	Session B02: Multimedia Processing and Multimedia Interaction	Session B03: Image Engineering and Network Security (I)	Session B04: Information Security Algorithms	Session P01: Poster Session (I)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
12:05 14:00	Lunch				
14:00 15:50	Session B05: Soft Computing and Hybrid Intelligent Approaches in Computer Security	Session B06: Multimedia Signal Processing for Public Safety and Privacy	Session B07: Image Engineering and Network Security (II)	Session B08: Security Coding Algorithms and Analysis	Session P02: Poster Session (II)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
15:50 16:10	Coffee Break				
16:10 18:10	Session B09: Network Security and Anti-attack Schemes	Session B10: System Design and Implementation (I)	Session B11: 3D Model Retrieval and Data Hiding	Session B12: Internet Security and Electronic Commerce Security (I)	Session P03: Poster Session (III)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
19:00 21:00	Banquet <i>Long Fei Gong (1F)</i>				

August 20, 2009					
9:00 10:00	Keynote Speech C <i>Main Hall</i>				
10:00 10:20	Coffee Break				
10:20 12:20	Session C01: Internet Security and Electronic Commerce Security (II)	Session C02: Security in Sensor Networks (I)	Session C03: Identity Validatio, Internet Protocol, Cryptanalysis and Its Application	Session C04: System Design and Implementation (II)	Session P06: Poster Session (IV)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
12:20 14:00	Lunch				
14:00 16:00	Session C05: Image Processing and Internet Security	Session C06: Security in Sensor Networks (II)	Session C07: E-Commerce and E-Payment security	Session C08: System Design and Network Security	Session P07: Poster Session (V)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
16:00 16:20	Coffee Break				
16:20 18:10	Session C09: Security Applications	Session C10: Video Coding and Image Processing	Session C11: Watermarking Techniques, Steganography and Visual Cryptography	Session C12: Multimedia Security and Its Applications	Session P08: Poster Session (VI)
	<i>Session Room I</i>	<i>Session Room II</i>	<i>Session Room III</i>	<i>Session Room IV</i>	<i>Session Room V</i>
18:30 19:30	Farewell <i>Long Fei Gong (1F)</i>				

Session List

August 18, 10:20-12:00

- Session A01: Digital Rights Management (I)
- Session A02: Multimedia in Ubiquitous Computing and Security Services
- Session A03: Image Processing and Intelligent Control (I)
- Session A04: Video Coding Scheme and Image Filtering
- Session A05: Fuzzy Applications and Anti-worm Attack

August 18, 14:00-16:00

- Session A06: System-on-Chip for Signal Processing
- Session A07: Data Hiding Techniques
- Session A08: Digital Rights Management (II)
- Session A09: Image Processing and Intelligent Control (II)
- Session A10: Encryption and Watermarking

August 18, 16:20-18:20

- Session A11: Cryptography and Its Application
- Session A12: Image Retrieval and Image Analysis
- Session A13: Clustering, Target Detection, and Feature Analysis
- Session A14: Swarm Intelligence and Data Mining
- Session A15: Internet Protocol Techniques

August 19, 10:20-12:05

- Session B01: Information Security
- Session B02: Multimedia Processing and Multimedia Interaction
- Session B03: Image Engineering and Network Security (I)
- Session B04: Information Security Algorithms
- Session P01: Poster Session (I)

August 19, 14:00-15:50

- Session B05: Soft Computing and Hybrid Intelligent Approaches in Computer Security
- Session B06: Multimedia Signal Processing for Public Safety and Privacy
- Session B07: Image Engineering and Network Security (II)
- Session B08: Security Coding Algorithms and Analysis
- Session P02: Poster Session (II)

August 19, 16:10-18:10

- Session B09: Network Security and Anti-attack Schemes
- Session B10: System Design and Implementation (I)
- Session B11: 3D Model Retrieval and Data Hiding
- Session B12: Internet Security and Electronic Commerce Security (I)
- Session P03: Poster Session (III)

August 20, 10:20-12:20

- Session C01: Internet Security and Electronic Commerce Security (II)
- Session C02: Security in Sensor Networks (I)
- Session C03: Identity Validation, Internet Protocol, Cryptanalysis and Its Application
- Session C04: System Design and Implementation (II)
- Session P04: Poster Session (IV)

August 20, 14:00-16:00

Session C05: Image Processing and Internet Security

Session C06: Security in Sensor Networks (II)

Session C07: E-Commerce and E-Payment security

Session C08: System Design and Network Security

Session P05: Poster Session (V)

August 20, 16:20-18:10

Session C09: Security Applications

Session C10: Video Coding and Image Processing

Session C11: Watermarking Techniques, Steganography and Visual Cryptography

Session C12: Multimedia Security and Its Applications

Session P06: Poster Session (VI)

Session A01

Digital Rights Management

Session Chair: Dr. Zhi-yong Zhang, Xidian University

A01-01 (IAS-2009-IS15-01)

A Dynamic Graph Watermark Scheme of Tamper Resistance

XiaoJiang Chen, DingYi Fang, JingBo Shen, Feng Chen, WenBo Wang, and Lu He
Northwest University

A01-02 (IAS-2009-IS15-03)

An Authenticating Algorithm with Multi-compression Compatible in DCT Domain

Xiaoyuan Yang, Yao Guo, Ke Niu, and Xiang Wu
Engineering College of Armed Police Force

A01-03 (IAS-2009-IS15-04)

Audio Digital Signature Algorithm with Tamper Detection

Xiaoyuan Yang, Xiang Wu, and Mingqing Zhang
Engineering College of Armed Police Force

A01-04 (IAS-2009-IS15-08)

Attacks on a Universal Designated Verifier Signature Scheme

Yanping Li, LiaoJunPang, and Yumin Wang
Shaanxi Normal University

A01-05 (IAS-2009-IS15-09)

Image Enhancement Based On Nonsampled Contourlet Transform

Yuxin Ma, Jiancang Xie, and Jungang Luo
Xi'an University of Technology

A01-06 (IAS-2009-IS15-10)

Performance Analysis of Chinese Webpage Categorizing Algorithm Based on Support Vector Machines (SVM)

Gang Xiao and Jiancang Xie
Xi'an University of Technology

A01-07 (IAS-2009-IS15-11)

Research on Improved Algorithm for Chinese Word Segmentation Based on Markov Chain

Baomao Pang and Haoshan Shi
Northwest Polytechnical University

A01-08 (IAS-2009-IS15-12)

A New Histogram Based Image Watermarking Scheme Resisting Geometric Attacks

Xin-Wei Li, Bao-Long Guo, Lei-Da Li, and Hong-Xin Shen
Xidian University

Session A02

Multimedia in Ubiquitous Computing and Security Services

Session Chair: Dr. Chin-Feng Lee, Chaoyang University of Technology

A02-01 (IAS-2009-IS05-02)

Image Watermarking Using Phase-Shifting Digital Holography Embedded in the Wavelet Domain

Mn-Ta Lee, Hsuan T. Chang, and Mu-Liang Wang
Kao Yuan University

A02-02 (IAS-2009-IS05-03)

A Polynomial Based Key Establishment Scheme for Heterogeneous Sensor Networks

Iuon-Chang Lin and Shu-Yan Huang

National Chung Hsing University

A02-03 (IAS-2009-IS05-04)

An Adaptable Threshold Decision Method

Meng-Hsiun Tsai, Ming-Hung Wang, Ting-Yuan Chang, Pei-Yan Pai, and Yung-Kuan Chan

National Chung Hsing University

A02-04 (IAS-2009-IS05-05)

Zero Packet Loss Hand-off Mechanism in SIP-based Wireless Networks

Ching-Lung Chang, Jia-Yi Syu, and Yuan-Sun Chu

Nat'l Yunlin University of Science & Technology

A02-05 (IAS-2009-IS05-06)

A New Authenticated Key Agreement Protocol for Wireless Mobile Networks

Shin-Jia Hwang and Ming-Jhang Chai

TamKang University

A02-06 (IAS-2009-IS05-07)

Economical Dental Stereoradiography in Digital Era

Hsien-Huang P. Wu, Shih-Hsin Chang, Ping-Kuo Weng, and Soon-Lin Chen

National Yunlin University of Science and Technology

A02-07 (IAS-2009-IS05-08)

A Resistant Secret Sharing Scheme

Chin-Chen Chang, Yen-Chang Chen, and Chia-Chen Lin

Feng Chia University

Session A03

Image Processing and Intelligent Control (I)

Session Chairs: Dr. Yunyi Yan, Xidian University

Dr. Leida Li, Xidian University

A03-01 (IAS-2009-IS16-01)

A Modified Feature based Image Watermarking Scheme in NSCT Domain

Liu Yang, Baolong Guo, and Jianmin Lv

Xidian University

A03-02 (IAS-2009-IS16-02)

Grounding Grid Corrosion Diagnosis based on Large Change Sensitivity

Liqiang Liu, Xianjue Luo, Tao Niu, and Kai Wang

Xi'an Jiaotong University

A03-03 (IAS-2009-IS16-04)

Anomalous Payload Detection System using Analysis of Frequent Sequential Pattern

Jun Ma, GuanZhong Dai, and Jing Zhou

Northwestern Polytechnical University

A03-04 (IAS-2009-IS16-05)

An Enhanced Block Mode Selection Method for Surveillance Video Communication

Jie Jiang, Wei Mo and Jianmin Lv
Xidian University

A03-05 (IAS-2009-IS16-08)
Application of Rough Set Theory in Coal Gangue Image Process
Xian-Min Ma and Che Liang
Xi'an University of Science & Technology

A03-06 (IAS-2009-1724)
Sinusoidal Signals Pattern Based Robust Video Watermarking in the 3D-CWT Domain
Cheng Deng, Jie Li, Meng Jia, and Xinbo Gao
Xidian University

A03-07 (IAS-2009-IS16-06)
The Detection of Bi-Frequency Weak Signal Based on Chaos and Correlation
Mei Wang, Huifeng Zhang, and Yong Yan
Guilin University of Electronic Technology

Session A04
Video Coding Scheme and Image Filtering
Session Chair:

A04-01 (IAS-2009-0808)
Whole Frame Loss Recovery Algorithm for H.264 decoders
Min Li and Bo Wang
Wuhan University of Science and Engineering

A04-02 (IAS-2009-1168)
A Frequent-Domain Video Transcoder with Spatial Downscaling for H.264/AVC
Bo Wang and Dichen Liu
Wuhan University

A04-03 (IAS-2009-1250)
A Novel Video Shot Segmentation Based on Textural Features
Yin Wang, Xiangming Wen, Xinqi Lin, Peizhou He, and Wei Zheng
Beijing University of Posts and Telecommunications

A04-04 (IAS-2009-1271)
Octagonal Search Algorithm with Early Termination for Fast Motion Estimation on H.264
Zhaopeng Cui, Dujuan Wang, Guang Jiang, and Chengke Wu
Xidian University

A04-05 (IAS-2009-1330)
A Two-Description Distributed Video Coding
Anhong Wang, Yao Zhao, and Zhihong Li
Beijing Jiaotong University

A04-06 (IAS-2009-0727)
A New Scheme for Multisensor Image Fusion System
Weiguang Liu, Wenqi Wang, and Jiangtao Cui
Zhongyuan University of Technology

A04-07 (IAS-2009-0731)

Nonlocal Curvature-Driven Diffusion Model for Image inpainting

Li Li and Han Yu
Xidian University

Session A05

Fuzzy Applications and Anti-worm Attack

Session Chair:

A05-01 (IAS-2009-0532)

Fuzzy Identity Based Encryption Scheme with Some Assigned Attributes

XiMing Li, Bo Yang, and YuBin Guo
South China Agricultural University

A05-02 (IAS-2009-0598)

Encrypted Fuzzy Vault Based on Fingerprint

Quan Feng, Fei Su, and Anni Cai
Beijing University of Posts and Telecommunications

A05-03 (IAS-2009-0636)

An Attack Model Based on Both-Branch Fuzzy Logic and Fuzzy Petri Net

Qiuqin Lu and Guangqiu Huang
Xi'an University of Architecture and Technology

A05-04 (IAS-2009-0843)

Application of the Fuzzy Entropy Weight in Risk Assessment of the Engineering Project

Xuyan Wu, Xujie Hu, Huiling Gu, and Yuhong Dong
Hebei University of Engineering

A05-05 (IAS-2009-1487)

Fuzzy Intrusion Detection System via Data mining technique With sequences of System Calls

Mohammad Akbarpour Sekeh and Mohd. Aizaini bin Maarof
Faculty of Computer Science and Information

A05-06 (IAS-2009-0752)

W-Aegis: A Propagation Behavior Based Worm Detection Model for Local Networks

Zhanyong Tang, Rui Qi, Dingyi Fang, and Yangxia Luo
Northwest University

A05-07 (IAS-2009-1146)

Research on Early Warning for Worm Propagation Based on Area-Alert-Level

Li-Na Zhu, and Chao-Yi Sun, and Li Feng
Harbin Engineering University

A05-08 (IAS-2009-1874)

Modeling the co-evolution DNS worms and anti-worms in IPv6 networks

P. Kammas, T. Komninos, and Y.C. Stamatiou
University of Ioannina

Session A06

System-on-Chip for Signal Processing

Session Chair: Dr. Ming-Hwa Sheu, Yunlin University of Science & Technology

A06-01 (IAS-2009-IS07-01)

Full System Simulation and Verification Framework

Jing-Wun Lin, Chen-Chieh Wang, Chin-Yao Chang, Chung-Ho Chen, Kuen-Jong Lee, Yuan-Hua, Chu, Jen-Chieh Yeh, and Ying-Chuan Hsiao
National Cheng Kung University

A06-02 (IAS-2009-IS07-02)

Automatic IP Interface Synthesis Supporting Multi-Layer Communication Protocols in SoC Designs

Yin-Tsung Hwang and Hua-Hsin Luo
National Chung Hsing University

A06-03 (IAS-2009-IS07-03)

Moving Object Tracking Using Symmetric Mask-Based Scheme

Chih-Hsien Hsia, Ding-Wei Huang, Jen-Shiun Chiang, and Zong-Jheng Wu
Tamkang University

A06-04 (IAS-2009-IS07-04)

Hardware/Software Codesign of Resource Constrained Real-Time Systems

Chia-Cheng Lo, Jung-Guan Luo, and Ming-Der Shieh
National Cheng Kung University

A06-05 (IAS-2009-IS07-05)

Design and Integration for Background Subtraction and Foreground Tracking Algorithm

Tsung-Han Tsai, Chung-Yuan Lin, De-Zhang Peng, and Giua-Hua Chen
National Central University

A06-06 (IAS-2009-IS07-06)

Parallel 3-Pixel Labeling Method and its Hardware Architecture Design

Shyue-Wen Yang, Ming-Hwa Sheu, Jun-Jie Lin, Chuang-Chun Hu, Tzu-Hsiung Chen, and Shau-Yin Tseng
National Yunlin University of Science and Technology

A06-07 (IAS-2009-1574)

Novel Fast Mode Decision Algorithm for P-Slices in H.264/AVC

Kan Chang, Bo Yang and Wenhao Zhang
Beijing University of Posts and Telecommunications

Session A07

Data Hiding Techniques

Session Chair: Dr. Yong-Soo Choi, Korea University

A07-01 (IAS-2009-IS01-01)

Majority-Parity-Guided Watermarking for Block-Truncated Images

Jing-Ming Guo and Yun-Fu Liu
National Taiwan University of Science and Technology

A07-02 (IAS-2009-IS01-02)

Data Hiding in Halftone Images Using Adaptive Noise-Balanced Error Diffusion and Quality-Noise Look Up Table

Jing-Ming Guo and Jia-Jin Tsai
National Taiwan University of Science and Technology

A07-03 (IAS-2009-IS01-03)

Improving the Modified Matrix Encoding on Steganography Method

Yong-Soo Choi and Hyoung-Joong Kim
Korea University

A07-04 (IAS-2009-IS01-04)

Reversible Information Hiding Considering Hierarchical Access Control

Masaaki Fujiyoshi, Seungwu Han, and Hitoshi Kiya
Tokyo Metropolitan University

A07-05 (IAS-2009-1851)

Image Compression Algorithm Based on Decreasing Bits Coding

Shengbing Che, Zuguo Che, Haiyang Wang, and Qiangbo Huang
Central South University of Forestry & Technology

A07-06 (IAS-2009-0618)

Assessment of Color Video Quality with Singular Value Decomposition of Complex Matrix

Fuqiang Zhang, Junli Li, Gang Chen, and Jiaju Man
Ningbo University

A07-07 (IAS-2009-0804)

Hybrid Video Transcoder for Bitrate Reduction of H.264 Bit Streams

Min Li and Bo Wang
Wuhan University of Science and Engineering

Session A08

Digital Rights Management (II)

Session Chair: Dr. Zhi-yong Zhang, Xidian University

A08-01 (IAS-2009-IS15-02)

Trusted Computing Based Mobile DRM Authentication Scheme

Zhen Yang, Kefeng Fan, and Yingxu Lai
Beijing University of Technology

A08-02 (IAS-2009-IS15-05)

Key Binding Based on Biometric Shielding Functions

Huixian Li, Man Wang, Liaojun Pang, and Weidong Zhang
Northwestern Polytechnical University

A08-03 (IAS-2009-IS15-07)

A Deep Copy Protection Framework for Electronic Devices within Home

Yan Zhan, Haibo Tian, Qingqi Pei, Yueyu Zhang, Yumin Wang, and Weidong Zhang
Xidian University

A08-04 (IAS-2009-IS15-13)

An Adaptive Digital Watermarking Algorithm Based on Balanced Multi-Wavelet

Ming-Xiang Zang, Na Zhang, and Jian-Guo Jiang
Xidian University

A08-05 (IAS-2009-IS15-14)

An Improved Iris Recognition Method Based on Gray Surface Matching

Dong-Mei Wu and Jiang-Nan Wang
Xi'an University of Science and Technology

A08-06 (IAS-2009-IS15-15)

Image Retrieval Based on 2D Histogram of Interest Points

Fan-Jie Meng, Bao-Long Guo, and Lei Guo
Xidian University

A08-07 (IAS-2009-IS15-17)

An Improved Fusion Algorithm of the Weighted Features and Its Application in Image Retrieval

Mei Wang and Li Wang
Xi'an University of Science and Technology

A08-08 (IAS-2009-IS15-18)

An Active Defense Model and Framework of Insider Threats Detection and Sense

Hongbin Zhang, Jianfeng Ma, Yinchuan Wang, and Qingqi Pei
Xidian University

Session A09

Image Processing and Intelligent Control (II)

**Session Chairs: Dr. Yunyi Yan, Xidian University
Dr. Leida Li, Xidian University**

A09-01 (IAS-2009-IS16-07)

The Application and Study of Graph Cut in Motion Segmentation

Ye Hou, Bao-Long Guo, and Jeng-Shyang Pan
Xidian University

A09-02 (IAS-2009-IS16-09)

A Dynamic Layering Scheme of Multicast Key Management

Fan Yang, Xiao-Ping Li, Qing-Kuan Dong, and Yan-Ming Liu
Xidian University

A09-03 (IAS-2009-IS16-10)

Research on 3D Reconstruction Procedure of Marked Points for Large Workpiece Measurement

Zhanli Li and Yuan Wang
Xi'an University of Science and Technology

A09-04 (IAS-2009-IS16-11)

Research on Video Information Camouflage Processing Algorithm based on Pulse

Yang Qiu, Jin Tian, and Liuyu Qian
Xidian University

A09-05 (IAS-2009-IS16-12)

A New Multiple-Objects Tracking Method with Particle Filter

Long Chen, Bao-Long Guo, and Wei Sun
Xidian University

A09-06 (IAS-2009-IS16-14)

Support Vector Machine Based on Possibility Degrees and Fault Diagnosis

Jingyi Du, Mei Wang, and Wenhao Cai
Xi'an University of Science and Technology

A09-07 (IAS-2009-1470)

Image Retrieval Based on Composite of Mean Shift and Assignment Model

Wenbing Chen, Qizhou Li, and Jianwei Yang
Nanjing University of Information Science & Technology

Session A10

Encryption and Watermarking

Session Chair:

A10-01 (IAS-2009-0238)

A Watermarking Scheme Based on Two-dimensional Wavelet Filter Parametrization

Guosheng Cheng and Jianwei Yang

Nanjing University of Information Science and Technology

A10-02 (IAS-2009-1059)

Watermarking Relational Databases for Ownership Protection Based on DWT

Chuanxian Jiang, Xiaowei Chen, and Zhi Li

Guizhou University

A10-03 (IAS-2009-1857)

A Method for Accessing Trusted Services Based on Service-Oriented Architecture

Xin Yu and Yu Bai

Beijing Union University

A10-04 (IAS-2009-1366)

Curvelet Domain Watermark Detection Using Alpha-Stable Models

Chengzhi Deng, Huasheng Zhu, and Shengqian Wang

Nanchang Institute of Technology

A10-05 (IAS-2009-0308)

Nonuniformity Correction Algorithms of IRFPA Based on Radiation Source Scaling

Enke Li, Xiaoning Fu, Shangqian Liu, and Shimin Yin

Xidian University

A10-06 (IAS-2009-0558)

The SOBER Family Ciphers Reconfigurable Processing Architecture Design

Zhiyuan Wang, Jianhua Huang, and Ziming Guan

Information Engineering College

A10-07 (IAS-2009-1418)

The Improving of IKE with PSK for Using in Mobile Computing Environments

Dingguo Yu and Nan Chen

Shaoxing University

Session A11

Cryptography and Its Application

Session Chair: Dr. Wu-Chuan Yang, I-Shou University

A11-01 (IAS-2009-IS04-01)

Common Friends Discovery with Privacy and Authenticity

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

Industrial Technology Research Institute

A11-02 (IAS-2009-IS04-03)

Known Signature Attack of ID-based Multisignature Schemes

Wu-Chuan Yang and Jih-Syue Jhou

I-Shou University

A11-03 (IAS-2009-IS04-04)

A Generalization of de Weger's Method

Chien-Yuan Chen, Chih-Cheng Hsueh, and Yu-Feng Lin
National University of Kaohsiung

A11-04 (IAS-2009-IS04-05)

New Strategy of Efficient SPA-resistant Exponentiations

Wu-Chuan Yang
I-Shou University

A11-05 (IAS-2009-1579)

Anti-protocol attacks digital watermarking Based on Media-Hash and SVD

Jing-Pei Wang, Shui-Fa Sun, Ming Jiang, Dan-Gui Xie, and Bang-Jun Lei
China Three Gorges University

A11-06 (IAS-2009-1590)

A RST Invariant Watermarking Scheme Utilizing Support Vector Machine and Image Moments for Synchronization

Jianzhen Wu
Shanghai University of Engineering Science

A11-07 (IAS-2009-1734)

Image Moment Based Registration Scheme Utilizing Support Vector Machine

Jianzhen Wu
Shanghai University of Engineering Science

Session A12

Image Retrieval and Image Analysis

Session Chair: Dr. Ding-Horng Chen, Southern Taiwan University

A12-01 (IAS-2009-IS06-04)

A Name Recommendation Photo Album Using Probability Neural Network

Ding-Hrong Chen and Shiang-En Tang
Southern Taiwan University

A12-02 (IAS-2009-IS06-06)

Lung Segmentation for Chest Radiograph by Using Adaptive Active Shape Models

Jiann-Shu Lee, Hsing-Hsien Wu, and Ming-Zheng Yuan
National University of Tainan

A12-03 (IAS-2009-0256)

The application on the evaluation of quality of universities undergraduate theory teaching work based on artificial neural network

Jun-Qiao Qi, Chang-Long Wang, and Yan-Ming Qi
Hebei University of Engineering

A12-04 (IAS-2009-0646)

Analysis of One-way Alterable Length Hash Function Based on Cell Neural Network

Qun-Ting Yang, Tie-Gang Gao, Li Fan, and Qiao-Lun Gu
Nankai University

A12-05 (IAS-2009-1375)

The Sync Tracing Based on Improved Genetic Algorithm Neural Network

Yuanbin Hou, Chunfeng Song, and Ning Li
Xi'an University of Science and Technology

A12-06 (IAS-2009-1676)

Research on Intrusion Detection Based on an Improved SOM Neural Network

Dianbo Jiang, Yahui Yang, and Min Xia
Peking University

A12-07 (IAS-2009-0460)

Image Retrieval Based on Character-matching Technology

Shan Zhao and Jing Liu
Henan Polytechnic University

Session A13

Clustering, Target Detection, and Feature Analysis

Session Chair:

A13-01 (IAS-2009-0933)

Research on Active Defence Technology with Host Intrusion Based on K-Nearest Neighbor Algorithm of Kernel

Xuedou Yu
Dezhou University

A13-02 (IAS-2009-1644)

A New Interacting Multiple Model Algorithm Based on the Unscented Particle Filter

Xiaolong Deng and Pingfang Zhou
Jiangsu College of Information Technology

A13-03 (IAS-2009-1940)

Infrared Small Weak Target Detection via HOSA

Gaoyu Zhang
Fudan University

A13-04 (IAS-2009-0242)

Image Retrieve Based on Primary Clusters

Wenbing Chen, Jianwei Yang, and Wangwei
Nanjing University of Information Science & Technology

A13-05 (IAS-2009-0250)

An Effective Texture Spectrum Descriptor

Xiaosheng Wu and Junding Sun
Henan Polytechnic University

A13-06 (IAS-2009-0434)

Texture Feature Analysis on Erosion and Wear in Artillery Chamber

Xiao-Ning Fu, En-Ke Li, and Wen-Jing Gao
Xidian University

A13-07 (IAS-2009-1087)

2-level-Wavelet-based License Plate Edge Detection

Ming-Kan Wu, Jing-Siang Wei, Hao-Chung Shih, and Chian C. Ho
National Yunlin University of Science and Technology

Session A14

Swarm Intelligence and Data Mining

Session Chair:

A14-01 (IAS-2009-1462)

New Greedy Algorithm for Computing Double-Base Chains

Ming Li and Kunpeng Wang

Graduate University of Chinese Academy of Sciences

A14-02 (IAS-2009-1525)

An Eco-Defending Architecture for network security based on Immunity and Mobile Agents

Tongrang Fan, Yan Sun, and Yongbin Zhao

Shijiazhuang Railway Institute

A14-03 (IAS-2009-1596)

An Improved Genetic Algorithm for Power Grid

Youchan Zhu, Xueying Guo, and Jing Li

North China Electric Power University

A14-04 (IAS-2009-1934)

Swarm Intelligence: Ant-based Robot Path Planning

Jing Zhou, Guan-Zhong Dai, De-Quan He, Jun Ma, and Xiao-Yan Cai

Northwestern Polytechnical University

A14-05 (IAS-2009-1321)

A New Scheme to Privacy-Preserving Collaborative Data Mining

Jianming Zhu

Central University of Finance and Economics

A14-06 (IAS-2009-1835)

Information Security Monitoring System based on Data Mining

Guangjuan Lv, Ruzhi Xu, Xiangrong Zu, and Liwu Deng

North China Electric Power University

A14-07 (IAS-2009-1293)

Image Denoising and Magnification via Kernel Fitting and Modified SVD

Benyong Liu, and Xiang Liao

Guizhou University

A14-08 (IAS-2009-0705)

A Joint Multiscale Algorithm with Auto-adapted Threshold for Image Denoising

Jin He, Yinpei Sun, Ying Luo, and Qun Zhang

Air Force Engineering University

Session A15

Internet Protocol Techniques

Session Chair:

A15-01 (IAS-2009-0346)

Certificateless One-Way Authenticated Two-Party Key Agreement Protocol

Wuping Chen, Lei Zhangy, Bo Qiny, Qianhong Wu, and Huanguo Zhang

Wuhan University

A15-02 (IAS-2009-0453)

Multi-party Non-repudiation Protocol with Different Message Exchanged

Yanping Li and Liaojun Pang

Shaanxi Normal University

A15-03 (IAS-2009-1100)

A New Efficient and Strongly Secure Authenticated Key Exchange Protocol Qingfeng Cheng, Guangguo Han, and Chuangui Ma

Zhengzhou Information Science and Technology Institute

A15-04 (IAS-2009-1690)

An Automated Mechanism of Security Test on Network Protocols

Yahui Yang, Yunfei Chen, Min Xia, and Juan Ma

Peking University

A15-05 (IAS-2009-1789)

An Improvement of AODV Protocol Based on Reliable Delivery in Mobile Ad hoc Networks

Jian Liu and Fang-Min Li

Wuhan University of Technology

A15-06 (IAS-2009-0064)

Development of a Java-oriented software general component library

Han Xiao, Zu-Xun Zhang, Qiang Wang, and Hua-Liang Hu

Wuhan University

A15-07 (IAS-2009-0966)

Two efficient fragile web page watermarking schemes

Peng Sun and Hongtao Lu

Shanghai Jiao Tong University

Session B01

Information Security

Session Chair: Dr. Wen-Chung Kuo, National Formosa University

B01-01 (IAS-2009-IS09-01)

Zero-Collision RFID Tags Identification based on CDMA

Lih-Chyau Wu, Yen-Ju Chen, Chi-Hsiang Hung, and Wen-Chung Kuo
National Yunlin University of Science and Technology

B01-02 (IAS-2009-IS09-02)

An Enhanced Remote User Authentication Scheme Providing Mutual Authentication and Key Agreement with Smart Cards

Chun-Ta Li
Tainan University of Technology

B01-03 (IAS-2009-IS09-03)

Security Enhancement of the Authentication Protocol for RFID Systems

Yung-Cheng Lee, Wen-Chung Kuo, Y.-C. Hsieh, and T.-C. Chen
WuFeng Institute of Technology

B01-04 (IAS-2009-IS09-05)

Secure Access Control Scheme of RFID System Application

Yu-Chih Huang
Tainan University of Technology

B01-05 (IAS-2009-0221)

Paper Study of Embedded System Design Based on RFID Securities

Ling-Feng Shi, Xin-Quan Lai, and Bao-Long Guo
Xidian University

B01-06 (IAS-2009-1605)

Improvement of an EPC Gen2 compliant RFID authentication protocol

Kuo-Hui Yeh, and N. W. Lo
National Taiwan University of Science and Technology

B01-07 (IAS-2009-1687)

Practical Quantum No-Key Protocol with Identification

Yang Wu and Li Yang
Graduate University of Chinese Academy of Science

Session B02

Multimedia Processing and Multimedia Interaction

Session Chair: Dr. Jzau-Sheng Lin, National Chin-Yi University of Technology

B02-01 (IAS-2009-IS10-01)

Facial Expression Recognition Based on Field Programmable Gate Array

Jzau-Sheng Lin, Shao-Han Liou, Wu-Chih Hsieh, Yu-Yi Liao, HongChao Wang, and QingHua Lan
National Chin-Yi University of Technology

B02-02 (IAS-2009-IS10-02)

Analysis and Evaluation of Contrast Enhancement methods in Digital Images

Shen-Chuan Tai, Yi-Ying Chang, Ting-Chou Tsai, Yi-Ying Chang, and Li-Man Liao
National Cheng Kung University

B02-03 (IAS-2009-IS10-03)

Analysis and Evaluation of Contrast Enhancement methods in Digital Images
Shen-Chuan Tai, Yi-Ying Chang, Kang-Ming Li, Ting-Chou Tsai, and Yi-Ying Chang
National Cheng Kung University

B02-04 (IAS-2009-IS10-04)

Application of Averaged Learning Subspace Method in MRI Classification
Chuin-Mu Wang, Jau-An Chen, and Jui-Hsing Chu
National Chin-Yi University of Technology Taichung

B02-05 (IAS-2009-1425)

Low bit rate ROI-based SAR image compression
Xiao-Hong Yuan, Zhao-Da Zhu, and Gong Zhang
Nanjing University of Aeronautics and Astronautics

B02-06 (IAS-2009-1670)

Optimal Information Rates of Novel Graph Based Access Structures
Mingkun Yang
Graduate University of Chinese Academy of Sciences

B02-07 (IAS-2009-1296)

A Rapid Algorithm and Its Implementation for Modular Inversion
Baiwen Fu
Beijing Union University

Session B03

Image Engineering and Network Security (I)

Session Chairs: Dr. Xian-Min Ma, Xi'an University of Science & Technology
Dr. Wang Mei, Xi'an University of Science & Technology

B03-01 (IAS-2009-IS19-01)

A New Adaptive Image Denoising Method Combining the Nonsampled Contourlet Transform and Total Variation
Xiaoyue Wu, Baolong Guo, Shengli Qu, and Zhuo Wang
Xidian University

B03-02 (IAS-2009-IS19-03)

SAR Image Target Recognition Based on Hu Invariant Moments and SVM
Yan Fu, Mei Wang, and Chunqin Zhang
Xi'an University of Science & Technology

B03-03 (IAS-2009-IS19-04)

Testability Analysis of Grounding Grids Using Network Transformation
Tao Niu, Yingjiao Zhang, Debo Zhang, Liqiang Liu, and Xianjue Luo
Xi'an Jiaotong University

B03-04 (IAS-2009-IS19-05)

Research on Algorithm of Digital Filtering based on Video Information Security
Jin Tian, Yang Qiu, and Liuyu Qian
Xidian University

B03-05 (IAS-2009-IS19-06)

ISAR Imaging of High Speed Moving Targets Based-on Radon Transform

Tong-An Feng, Jin He, and Ying Luo

AFEU

B03-06 (IAS-2009-IS19-07)

Octa-Log-Polar Fourier Transform for Image Registration

Xian-Xiang Wu, Bao-Long Guo, and Juan Wang

Xidian University

B03-07 (IAS-2009-1421)

Multiresolution target detection in wavelet domain for SAR imagery

Xiao-Hong Yuan, Zhao-Da Zhu, and Gong Zhang

Nanjing University of Aeronautics and Astronautics

Session B04

Information Security Algorithms

Session Chair:

B04-01 (IAS-2009-0708)

A New Accelerated RC4 Scheme Using "Ultra Gridsec" and "HIMAN" and Use this Scheme to Secure "HIMAN" Data

Hisham A. Kholidy and Khaled S. Alghathbar

King Saud University

B04-02 (IAS-2009-0760)

A high-efficiency Data Distribution Algorithm in Distributed Storage

Xiao-Yuan Yang, Zhen Liu, Wei Zhang, and Dun-Tao Guo

Engineering College of Armed Police Force

B04-03 (IAS-2009-0813)

An Approach to Group Decision Making Based on Incomplete Linguistic Preference Relations

Tien-Chin Wang, Shu-Chen Hsu, Shu-Chen Peng and Juifang Chang

National Kaohsiung University of Applied Sciences

B04-04 (IAS-2009-0818)

Constructions of Some Difference-Balanced d-form Functions

Tongjiang Yan and Li Hong

China University of Petroleum

B04-05 (IAS-2009-0947)

A Novel Micropayment Scheme with Complete Anonymity

Xin Zhao, Yuqin Lv, and Wenxin He

Beijing University of Posts and Telecommunications

B04-06 (IAS-2009-1563)

Research on Security Architecture for Defending Insider Threat

Hui Wang, Heli Xu, Bibo Lu, and Zihao Shen

Henan Polytechnic University

B04-07 (IAS-2009-0981)

Information Security Solution Decision-making Based on Entropy Weight and Gray Situation Decision

Lin Chen, Li Li, Yong Hu, and Ke Lian

Chengdu University of Information Technology

Session B05

Soft Computing and Hybrid Intelligent Approaches in Computer Security

**Session Chairs: Dr. Siti Zaiton Mohd Hashim, Universiti Teknologi Malaysia
Dr. Anazida Zainal, Universiti Teknologi Malaysia**

B05-01 (IAS-2009-IS18-02)

Fuzzy c-Means Sub-Clustering with Re-sampling in Network Intrusion Detection

Anazida Zainal, Den Fairol Samaon, Mohd Aizaini Maarof, and Siti Mariyam Shamsuddin
Universiti Teknologi Malaysia

B05-02 (IAS-2009-IS18-03)

Hierarchical Takagi-Sugeno Models for Online Security Evaluation Systems

Ajith Abraham, Crina Grosan, Hongbo Liu, and Yuehui Chen
Machine Intelligence Research Labs

B05-03 (IAS-2009- IS18-04)

Detecting Insider Attached Using Non-negative Matrix Factorization

Jan Platoš, Václav Snášel, Pavel Krömer, and Ajith Abraham
VŠB-Technical University of Ostrava

B05-04 (IAS-2009-1756)

Evaluation and Simulation on the Performance of DHTs required by P2PSIP

Zengming Tian, Xiangming Wen, Wei Zheng, Yong Sun, and Yinbo Cheng
Beijing University of Posts and Telecommunications

B05-05 (IAS-2009-1449)

An Optimal Blind Signature padding with Message Recovery

Jingran Wang and Haifeng Qian
East China Normal University

B05-06 (IAS-2009-1682)

Windows Memory Analysis Based on KPCR

Ruichao Zhang, Lianhai Wang, and Shuhui Zhang
Shandong Computer Science Center

B05-07 (IAS-2009-1738)

An Efficient Hierarchical Group Key Management Scheme Based on Orthogonal Vectors

Jing Wang and Xiaola Lin
Sun Yat-sen University

Session B06

Multimedia Signal Processing for Public Safety and Privacy

Session Chair: Dr. Akinori Ito, Tohoku University

B06-01 (IAS-2009-IS08-01)

Privacy Protection for Speech Information

Kazumasa Yamamoto and Seiichi Nakagawa
Toyohashi University of Technology

B06-02 (IAS-2009-IS08-02)

An Improvement of Speaker Vector-based Speaker Verification

Naoki Tadokoro, Tetsuo Kosaka, Masaharu Kato, and Masaki Kohda
Yamagata University

B06-03 (IAS-2009-IS08-03)

Acoustic-based Security System: Towards Robust Understanding of Emergency Shout

Hiroaki Nanjo, Takanobu Nishiura, and Hiroshi Kawano
Ryukoku University

B06-04 (IAS-2009-IS08-04)

A System for Detecting Unusual Sounds from Sound Environment Observed by Microphone Arrays

Mitsuru Kawamoto, Futoshi Asano, Koichi Kurumatani, and Yingbo Hua
National Institute of Advanced Industrial Science and Technology

B06-05 (IAS-2009-IS08-05)

Detection of Abnormal Sound using Multi-stage GMM for Surveillance Microphone

Akinori Ito, Akihito Aiba, Masashi Ito, and Shozo Makino
Tohoku University

B06-06 (IAS-2009-0575)

An Audio Watermarking Method of Resistance Statistics Attack Based on Psychoacoustic Model

Xiao-Li Liu, Shui-Fa Sun, Jian-Wei Zhu, Ming Jiang, and Dan-Gui Xie
China Three Gorges University

B06-07 (IAS-2009-0879)

Cepstrum-based Audio Watermarking Algorithm against the A/D and D/A Attacks

Xiaoming Zhang and Zhaoyang Yu
Beijing Institute of Petrochemical Technology

Session B07

Image Engineering and Network Security (II)

Session Chairs: Dr. Xian-Min Ma, Xi'an University of Science & Technology
Dr. Wang Mei, Xi'an University of Science & Technology

B07-01 (IAS-2009-IS19-08)

Design of DBA Algorithm in EPON Uplink

Ya-Min Wang and Yan Liu
Xi'an University of Science & Technology

B07-02 (IAS-2009-IS19-09)

Cramer-Rao lower bound for non-coherent TOA Estimation with Impulse Signal

Jie Liu, Xiaoji Li, and Lin Zheng
Guilin University of Electronic Technology

B07-03 (IAS-2009-IS19-10)

Research on Intrinsic Safety Behavior of Inductor-Disconnected-Discharge of Boost DC-DC Converters

Shulin Liu and Yan Li
Xi'an University of Science & Technology

B07-04 (IAS-2009-IS19-11)

Study on the Control of a Two-wheeled Unstable Vehicle based on Sensitivity Analysis

Yanzhao Li, Shengli Qu, Jiahui Zhu, and Jianqin Sun
Xidian University

B07-05 (IAS-2009-IS19-12)

Generalized Analysis Model of Information Security of Computer System Based on Electromagnetic Topology

Jin Tian, Yang Qiu, and Ankun Lin
Xidian University

B07-06 (IAS-2009-0988)

The Design and Implementation of Security Defense Technology Based on Mandatory Running Control

Jizhen Liu, Kehe Wu, Tong Zhang, and Gao Ma
North China Electric Power University

B07-07 (IAS-2009-1784)

Security Threats and Countermeasures for Intra-Vehicle Networks

David Wampler, Huirong Fu and Ye Zhu
Oakland University

Session B08

Security Coding Algorithms and Analysis

Session Chair:

B08-01 (IAS-2009-0977)

A new Algorithm for Outlier Detection based on Offset

Yue Zhang, Jie Liu, and Bo Song
Shenyang Normal University

B08-02 (IAS-2009-1047)

Quantum secure direct communication based on partially entangled states

Xin-Yuan Yang, Zhi Ma, Xin Lü, and Hong-Xin Li
Zhengzhou Information Science and Technology Institute

B08-03 (IAS-2009-1055)

A Multi-View Nonlinear Active Shape Model Based on 3D transformation Shape Search

Yi Faling, Xiong Wei, Huang Zhanpeng, and Zhao Jie
GuangDong Pharmaceutical University

B08-04 (IAS-2009-0193)

On Security Notions for Verifiably Encrypted Signature

Xu-An Wang, Xiaoyuan Yang, and Qingquan Peng
College of Chinese Armed Police Force

B08-05 (IAS-2009-0165)

Organizational Barriers to the Implementation of Security Engineering

Bryan S. Cline
The Children's Hospital of Philadelphia

B08-06 (IAS-2009-0734)

National Information Infrastructure Security and Cyber Terrorism in the Process of Industrializations

Yanzhao Li
Dali University

B08-07 (IAS-2009-1747)

Threats to Health Information Security

Ganthan Narayana Samy, Rabiah Ahmad, and Zuraini Ismail

Session B09

Network Security and Anti-attack Schemes

Session Chair:

B09-01 (IAS-2009-0702)

A Fast Correlation Attack via Parallel Computing

Qiong Liu and Yupu Hu

Xidian University

B09-02 (IAS-2009-1775)

A Database Protection System Aiming at SQL Attack

Liwu Deng, Ruzhi Xu, Lizheng Jiang, and Guangjuan Lv

North China Electric Power University

B09-03 (IAS-2009-1340)

Guess and Determine Attack on SOSEMANUK

Ding Lin and Guan Jie

Zhengzhou Information Science and Technology Institute

B09-04 (IAS-2009-1391)

Algebraic Attack to SMS4 and the Comparison with AES

Wen Ji, Lei Hu, and Haiwen Ou

Beijing Electronic Science and Technology Institute

B09-05 (IAS-2009-0626)

A Modified Run-length Image Data Hiding for High Embedding Capacity

Rey-Sern Lin and Shang-Wen Hu

Hsuan Chuang University

B09-06 (IAS-2009-0970)

The Research of Simulation for Network Security Based on System Dynamics

Hong-Shan Kong, Ming-Qing Zhang, Jun Tang, and Chang-Yuan Luo

Information Engineering University

B09-07 (IAS-2009-1466)

Network Security Situation Awareness using Exponential and Logarithmic Analysis

Xiaobin Tan, Guihong Qin, Yong Zhang, and Ping Liang

University of Science and Technology of China

Session B10

System Design and Implementation (I)

Session Chair:

B10-01 (IAS-2009-1625)

Multimodal Biometric Recognition Based on Complex KFDA

Zhifang Wang, Qiong Li, Xiamu Niu, and Christoph Busch

Harbin Institute of Technology

B10-02 (IAS-2009-1709)

Research on Ssystem of Chinese Document Copy Detection

Yuzhu Cheng, Chunrong Qiu, Weiqi Tang, and Wenda Deng
Changsha Social Work College

B10-03 (IAS-2009-1751)

Membership-based Access Control for Trust Negotiation in Open Systems

Ruo-Fei Han, Hou-Xiang Wang, Yu-Hua Wang, and Kai-Ling Zuo
Naval University of Engineering

B10-04 (IAS-2009-1897)

Secure Constructing Bluetooth Scatternet Based on BTCP

Xin Yu and YuPing Wang
Beijing Union University

B10-05 (IAS-2009-2040)

RSA/Shift Secured IFFT/FFT Based OFDM Wireless System

D. Rajaveerappa and Abdelsalam Almarimi
Higher Institute of Electronics

B10-06 (IAS-2009-0284)

A Digital Certificate Application Scheme in Content Protection System for High Definition Digital Interface

Kefeng Fan, Subing Zhang, and Wei Mo
China Electronics Standardization Institute

B10-07 (IAS-2009-0340)

Research on Equiponderant Forwarding within Multi-nexthop Interfaces

Ning-Ning Liang and Xuan-Yong Zhu
National Digital Switching System Engineering and Technological R&D Center

Session B11

3D Model Retrieval and Data Hiding

Session Chairs: Dr. Zhe-Ming Lu, Zhejiang University

Dr. Fa-Xin Yu, Zhejiang University

Dr. Hao Luo, Zhejiang University

B11-01 (IAS-2009-2051)

DCT-based Robust Watermarking with Swarm Intelligence Concepts

Hsiang-Cheh Huang, Yueh-Hong Chen, and Guan-Yu Lin
National University of Kaohsiung

B11-02 (IAS-2009-IS12-01)

A Novel Multiple Description Coding Frame Based on Reordered DCT Coefficients and SPIHT Algorithm

Lin-Lin Tang, Zhe-Ming Lu, and Fa-Xin Yu
Harbin Institute of Technology Shenzhen Graduate School

B11-04 (IAS-2009-IS12-03)

Video Identification Using Spatio-temporal Salient Points

Yue-nan Li and Zhe-ming Lu
Harbin Institute of Technology

B11-05 (IAS-2009-1530)

Novel Approach for Audio Watermarking

Mazdak Zamani, Azizah Bt Abdul Manaf, Rabiah Bt Ahmad, Akram M. Zeki, and Pritheega Magalingam
Faculty of Computer Science Universiti Teknologi Malaysia

B11-06 (IAS-2009-2004)

Efficient Certificate-Based Signature Scheme

Yang Ming and Yumin Wang

Chang'an University

B11-07 (IAS-2009-2099)

Collusion-Resilient Fingerprinting Using Cropping and Subsampling

Yueh-Hong Chen and Hsiang-Cheh Huang

Far East University

Session B12

Internet Security and Electronic Commerce Security

Session Chair: Prof. Chu-Hsing Lin, Tunghai University

B12-01 (IAS-2009-IS03-01)

Privacy Protection in On-line Shopping for Electronic Documents

Yu-Chi Chen, Gwoboa Horng, and Chang-Chin Huang

National Chung-Hsing University

B12-02 (IAS-2009-IS03-03)

A Real-Time Selective Video Encryption Using Context-Key Control

Hung-Min Sun and Muh-Chyi Leu

National Tsing Hua University

B12-03 (IAS-2009-IS03-04)

Ideal Perfect Multilevel Threshold Secret Sharing Scheme

Changlu Lin, Lein Harn, and Dingfeng Ye

Fujian Normal University

B12-04 (IAS-2009-IS03-05)

Implementation of an Electronic Voting System with Contactless IC Cards for Small-Scale Voting

Chung-Huang Yang, Shih-Yi Tu, and Pei-Hua Yen

National Kaohsiung Normal University

B12-05 (IAS-2009-IS03-06)

Access Log Generator for Analyzing Malicious Website Browsing Behaviors

Chu-Hsing Lin, Jung-Chun Liu, and Ching-Ru Chen

Tunghai University

B12-06 (IAS-2009-1907)

An Extensible and Virtualization-Compatible IDS Management Architecture

Sebastian Roschke, Feng Cheng, and Christoph Meinel

University of Potsdam

B12-07 (IAS-2009-0549)

Deadlock Detection Based on Resource Allocation Graph

Qinqin Ni, Weizhen Sun, and Sen Ma

Capital Normal University

Session C01

Internet Security and Electronic Commerce Security (II)

Session Chair: Prof. Chu-Hsing Lin, Tunghai University

C01-01 (IAS-2009-IS03-07)

Detecting DoS and DDoS Attacks by Using an Intrusion Detection and Remote Prevention System

Fang-Yie Leu and Zhi-Yang Li

Tunghai University

C01-02 (IAS-2009-IS03-08)

Detecting DoS and DDoS Attacks using Chi-Square

Fang-Yie Leu and Chia-Chi Pai

Tunghai University

C01-03 (IAS-2009-IS03-09)

Hierarchical Key Agreement Protocols in Group-user Systems

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

Central Police University

C01-04 (IAS-2009-1983)

Joint Entropy Analysis Model for DDoS Attack Detection

Hamza Rahmani, Nabil Sahli, and Farouk Kammoun

University campus Manouba

C01-05 (IAS-2009-1636)

Risk Assessment Model on the Internal corporate governance Based on the SPA

Jibin Ma, Huiling Gu, Yonghao Sun, and Xujie Hu

Hebei University of Engineering

C01-06 (IAS-2009-1647)

Appraisal Model of MIS in Enterprises Based on the Unascertained Measurement

Xuyan Wu, Xujie Hu, Huiling Gu, and Yuhong Dong

Hebei University of Engineering, China

C01-07 (IAS-2009-1829)

Identity based Multi-Proxy Multi-Signcryption Scheme for Electronic Commerce

Ying Sun, Chunxiang Xu, Fagen Li, and Yong Yu

University of Electronic Science and Technology of China

Session C02

Security in Sensor Networks (I)

Session Chair: Dr. Liao-Jun Pang, Xidian University

C02-01 (IAS-2009-IS13-01)

An Efficient Anonymous Routing Protocol for Mobile Ad Hoc Networks

Xiaoqing Li, Hui Li, Jianfeng Ma, and Weidong Zhang

Xidian University

C02-02 (IAS-2009-IS13-02)

Distributed Event-triggered Trust Management for Wireless Sensor Networks

Sibo Liu, Liaojun Pang, Qingqi Pei, Hua Ma, and Qingquan Peng

Xidian University

C02-03 (IAS-2009-IS13-03)

A Novel Biometric-based Authentication Scheme with Privacy Protection

Huixian Li and Liaojun Pang

Northwestern Polytechnical University

C02-04 (IAS-2009-IS13-05)

Towards Provably Secure On-Demand Source Routing in MANET

Liqiang Mao, Jianfeng Ma, and Xuewen Dong

Xidian University

C02-05 (IAS-2009-IS13-06)

Research on Integration of Safety Analysis in Model-driven Software Development

Feng Chen, Weihua Li, Dingyi Fang, and Xiaojiang Chen

Northwestern Polytechnical University

C02-06 (IAS-2009-1238)

MRDWA: Multi-Role Dynamic Weighting Aggregation Algorithm in Event Driven Wireless Sensor Networks

Ying Chen, Jian Shu, Hong Liu, Linlan Liu, and Jiajie Gong

Nanchang Hangkong University

C02-07 (IAS-2009-1260)

An Identification Method for Transient Capacitive Current of Distribution Network by ICMAC

Jianwen Zhao and Yuanbin Hou

Xi'an University of Science and Technology

Session C03

Identity Validation, Internet Protocol, Cryptanalysis and Its Application

Session Chair:

C03-01 (IAS-2009-1008)

Researches on Integrating Database Access Control and Privacy Protection

Yonghong Yu

Anhui University of Finance & Economics

C03-02 (IAS-2009-1091)

Shibboleth Access for Resources on the National Grid Service (SARoNGS)

Xiao Dong Wang, Mike Jones, Jens Jensen, Andrew Richards, David Wallom, Tiejun Ma, Robert Frank, David Spence, Steven Young, Claire Devereux, and Neil Geddes

STFC Daresbury Laboratory

C03-03 (IAS-2009-1535)

Research on Gravity-based Anomaly Intrusion Detection Algorithm

Baoyi Wang, Ranran Jin, Shaomin Zhang, and Xiaomin Zhao

North China Electric Power University

C03-04 (IAS-2009-0484)

Forward-Secure Certificate-Based Encryption

Yang Lu and Jiguo Li

Hohai University

C03-05 (IAS-2009-1126)

Image Encryption with Discrete Fractional Cosine Transform and Chaos

Lin Zhang, Jianhua Wu, and Nanrun Zhou
Nanchang University

C03-06 (IAS-2009-1183)
Cryptoanalysis of Two Signcryption Schemes
Jianhong Zhang and Qin Geng
North China University of Technology

C03-07 (IAS-2009-1767)
Position Verification in Multi-hop Vehicular Networks
Deepa Susan Rajan, Chetan Yeole, Harsha Nakade, Huirong Fu, and Ye Zhu
Oakland University

C03-08 (IAS-2009-1794)
Efficient Protection Scheme for SVC Content Based On Network Coding
Ji Lu, Song Xiao, and ChengKe Wu
Xidian University

Session C04
System Design and Implementation (II)
Session Chair:

C04-01 (IAS-2009-0367)
Resistance DPA of RSA on Smartcard
Ji-Fang Jin, Er-Hong Lu, and Xian -Wei Gao
BESTI

C04-02 (IAS-2009-0489)
Emergency Command System for Geologic Disasters Prevention
Wenbiao Peng, Chaojun Yan, Xinqiong Liu, and Lihua Deng
China Three Gorges University

C04-03 (IAS-2009-0515)
Study on Ultrasonic Ranging System Design
Lihua Deng
Three gorges University

C04-04 (IAS-2009-0640)
The Method of Equalization Based on Iterative Interference Cancellation for SCCPM System
Zhao Wusheng, Fu Yongqing, and Han Zhixue
Harbin Engineering University

C04-05 (IAS-2009-0685)
The Research of NULL Convention Logic Circuit Computing Model targeted at Block Cipher Processing
Yalei Cui and Zibin Dai
PLA Information Engineering University

C04-06 (IAS-2009-0756)
Dynamic Behavior of SIS Epidemic Model with Feedback on Regular Lattice
Damin Zhang, and Shaohong Cai
Guizhou University

C04-07 (IAS-2009-1150)

Dynamic Behavior of SIRS Model with Feedback on Complex Networks

Damin Zhang and Shaohong Cai

Guizhou University

C04-08 (IAS-2009-1159)

Augmented Addition Operation of Conic Curves over Ring \mathbb{Z}_n

Guo-Jing Li and Tao Wen

Northeastern University

Session C05

Image Processing and Internet Security

Session Chair:

C05-01 (IAS-2009-1356)

Infrared Face Recognition Based on Radiant Energy and Curvelet Transformation

Zhihua Xie, Shiqian Wu, Guodong Liu, and Zhijun Fang

Jiangxi Sciences and Technology Normal College

C05-02 (IAS-2009-0361)

An Improved SPECK Image Coding Algorithm

Baojun Han and Yan Liu

Xidian University

C05-03 (IAS-2009-0036)

A Novel Method for Plane Array Infrared Image to Detect Point Target

Hong Che and Longhe Sun

No. 613 Institute, China Aviation Industry Group I

C05-04 (IAS-2009-0231)

Visibility Estimation Based on Mean Shift

Wenbing Chen, Xiaolei Zhang, and Jianwei Yang

Nanjing University of Information Science & Technology

C05-05 (IAS-2009-0196)

Proxy Re-encryption Scheme Based on SK Identity Based Encryption

Xu-An Wang and Xiaoyuan Yang

College of Chinese Armed Police Force

C05-06 (IAS-2009-1264)

Analysis and Improvement of a Proxy Blind Multi-signature Scheme without a Secure Channel

Ying Sun, Chunxiang Xu, Qi Xia, and Yong Yu

University of Electronic Science and Technology of China

C05-07 (IAS-2009-1095)

Detecting Stepping-Stone Intruders with Long Connection Chains

Wei Ding, Matthew J. Hausknecht, Shou-Hsuan Stephen Huang, and Zach Riggle

University of Houston, Houston

Session C06

Security in Sensor Networks (II)

Session Chair: Dr. Liao-Jun Pang, Xidian University

C06-01 (IAS-2009-IS13-08)

A New Hybrid Routing Protocol in Heterogeneous Wireless Networks

Yulong Shen, Qijian Xu, Zuoshun Wu, Hao Yin, and Jianfeng Ma

Institute of China Electronic System Engineering Corporation

C06-02 (IAS-2009-IS13-09)

Layer Key Management Scheme on Wireless Sensor Networks

Qingqi Pei, Lei Wang, Hao Yin, Liaojun Pang, and Hong Tang

Institute of China Electronic System Engineering Corporation

C06-03 (IAS-2009-IS13-11)

C&M: A New Network Coding Scheme for Wireless Networks

Xiaoyan Zhu, Hao Yue, and Yumin Wang

Xidian University

C06-04 (IAS-2009-IS13-12)

Range-free Fast and Rough Nodes Localization Algorithm in Wireless Sensor Networks

Wang Mei, Sun Xiaochuan, and Zheng Hao

Guilin University of Electronic Technology

C06-05 (IAS-2009-IS13-13)

Information Security Wireless Sensor Grid

Mingming Li, Baiping Li, and Wei Li

Xi'an University of Science & Technology

C06-06 (IAS-2009-1616)

An Effective Scheme for Defending Denial-of-Sleep Attack in Wireless Sensor Networks

Chen Chen, Li Hui, Qingqi Pei, Lv Ning, and Peng Qingquan

Xidian University

C06-07 (IAS-2009-1825)

H²S: A Secure and Efficient Data Aggregative Retrieval Scheme in Unattended Wireless Sensor Networks

Wei Ren, Yi Ren, and Hui Zhang

China University of Geosciences

Session C07

E-Commerce and E-Payment security

Session Chair: Dr. Xiaofeng Chen, Sun Yat-sen University

C07-01 (IAS-2009-IS14-02)

Security Analysis of the Kerberos Protocol using BAN Logic

Kai Fan, Hui Li, and Yue Wang

Xidian University

C07-02 (IAS-2009-IS14-05)

Performance Analysis of Analog LMS Multiuser Receiver in Transmitted-Reference UWB System

Lin Zheng, Wei Ge, and Hongbing Qiu

Guilin University of Electronic Technology

C07-03 (IAS-2009-1353)

E-government Security Management: Key Factors and Countermeasure

Jin-Fu Wang

Xi'an Polytechnic University

C07-04 (IAS-2009-1455)

History and Future Information Based Trust Model in C2C E-commerce

Shaomin Zhang, Xiayan Zhang, and Baoyi Wang
Electric Power University

C07-05 (IAS-2009-0269)

Application and Research of Mobile E-Commerce Security Based on WPKI

Feng Tian, Xiao-Bing Han, and Ying Wei
Xi'an University of Science and Technology

C07-06 (IAS-2009-IS14-06)

A New Abuse-Free Fair Electronic Payment Protocol

Kai Fan, Yue Wang, and Hui Li
Xidian University

C07-07 (IAS-2009-IS14-07)

Action-Based Access Control for Web Services

Fenghua Li, Wei Wang, Jianfeng Ma, and Haoxin Su
eijing Electronic Science and Technology Institute

C07-08 (IAS-2009-IS14-08)

An Provably Secure Certificateless Blind Signature Scheme

Xiaoyuan Yang, Zhongyin Liang, Ping Wei, and Junwei Shen
Engineering College of Armed Police Force

Session C08

System Design and Network Security

Session Chair:

C08-01 (IAS-2009-1256)

Implementing and Testing Producer-Consumer Problem using Aspect-Oriented Programming

Yang Zhang, Jingjun Zhang, and Dongwen Zhang
Hebei University of Science and Technology

C08-02 (IAS-2009-1378)

Soft DSP Design Methodology of Face Recognition System on Nios II Embedded Platform

Hao-Chung Shih and Chian C. Ho
National Yunlin University of Science and Technology

C08-03 (IAS-2009-1387)

Threats Identification in Healthcare Information Systems Using Genetic Algorithm and Cox Regression

Rabiah Ahmad, Ganthan Narayana Samy, Nuzulha Khilwani Ibrahim, Peter A. Bath, and Zuraini Ismail
Universiti Teknologi Malaysia

C08-04 (IAS-2009-1538)

Study on Centralized Authorization Model Supporting Multiple Access Control Models

Shaomin Zhang, Haiyan Zhang, and Baoyi Wang
North China Electric Power University

C08-05 (IAS-2009-1922)

Application of Bloom Filter for GTP Stateful Inspection in Network Processor

ZhenYu Liu, Weijun Li, and Yue Lai

South China University of Technology

C08-06 (IAS-2009-1977)

Performance Analysis of Anonymous Communication System 3-Mode Net

Kazuhiro Kono, Shinnosuke Nakano, Yoshimichi Ito, and Noboru Babaguchi

Osaka University

C08-07 (IAS-2009-1052)

Self-selecting Sub-secret Keys Sharing Scheme Based on Polynomials over Elliptic Curve

Caimei Wang and Zhengmao Li

Hefei University

Session C09

Security Applications

Session Chair:

C09-01 (IAS-2009-0525)

Boosting Graph Embedding with Application to Facial Expression Recognition

Lei Xiong, Duyan Bi, Xu Zhou, and Shiping Ma

Air Force Engineering University

C09-02 (IAS-2009-1130)

A Performance Evaluation of Security Mechanisms for Web Services

Bachar Alrouh and Gheorghita Ghinea

Brunel University

C09-03 (IAS-2009-1244)

Remark on Yu et al.'s Online/Offline Signature Scheme in CT-RSA 2008

Xiao-Long Ma, Zhi-Wei Wang, Li-Ze Gu, and Yi-Xian Yang

Beijing University of Posts and Telecommunications

C09-04 (IAS-2009-1704)

Towards Secure Content Based Dissemination of XML Documents

Mohammad Ashiqur Rahaman, Henrik Plate, Yves Roudier, and Andreas Schaad

EURECOM

C09-05 (IAS-2009-0778)

Reducing Specular Reflection Components of Chrome-plated Surface with Varying Light Direction

Li Chang Jiang, Zhong Zhang, Tetsuo Miyake, and Takashi Imamura

Toyohashi University of Technology

C09-06 (IAS-2009-0903)

Design of Fault Diagnosis System of FPSO Production Process Based on MSPCA

Qiang Gao, Miao Han, Shu-Liang Hu, and Hai-Jie Dong

Tianjin University of Technology Tianjin

C09-07 (IAS-2009-2057)

Evaluating Intrusion Detection Systems in High Speed Networks

Faeiz Alserhani, Monis Akhlaq, Irfan U Awan, John Mellor, Andrea J Cullen, and Pravin Mirchandani

University of Bradford

Session C10

Video Coding and Image Processing

Session Chair:

C10-01 (IAS-2009-1847)

Optimal Combination of H.264/AVC Coding Tools for Mobile Multimedia Broadcasting Application

Yu Han, Bo Yang, Kan Chang, and Ziyi Quan

Beijing University of Posts and Telecommunications

C10-02 (IAS-2009-1887)

Distributed Video Coding Based on Multiple Description

Hongxia Ma, Yao Zhao, Chunyu Lin, and Anhong Wang

Beijing Jiaotong University

C10-03 (IAS-2009-1655)

GOP-level Transmission Distortion Modeling for Video Streaming over Mobile Networks

Yu Han, Aidong Men, Kan Chang, and Ziyi Quan

Beijing University of Posts and Telecommunications

C10-04 (IAS-2009-1038)

Adaptive Spatially Postprocessing Technique to Remove Blocking Artifacts for DCT Coded Image

Jin Wang, Heechang Kim, Jongho Kim, and Jechang Jeong

Hanyang University

C10-05 (IAS-2009-1401)

An improved Image Encryption Scheme Based on Line Maps

Juan Li, Yong Feng, and Xuqiang Yang

Harbin Institute of Technology

C10-06 (IAS-2009-2044)

Universal Steganalysis Based on Statistical Models Using Reorganization of Block-based DCT Coefficients

Shaohui Liu, Lin Ma, Hongxun Yao, and Debin Zhao

Harbin Institute of Technology

C10-07 (IAS-2009-0623)

Image De-noising Based on Nonlocal Diffusion Tensor

Yu Han

Xidian University

Session C11

Watermarking Techniques, Steganography and Visual Cryptography

Session Chair: Dr. Chia-Chen Lin, Providence University

C11-01 (IAS-2009-IS02-01)

An Effective Lossless Hiding Technique based on Reversible Contrast Mapping and Histogram Embedding Methods

Tzu-Chuen Lu and Ying-Hsuan Huang

Chaoyang University of Technology

C11-02 (IAS-2009-IS02-02)

A High Quality Reversible Data Hiding Method Using Interpolation Technique

Chyuan-Huei Thomas Yang and Chun-Hao Hsu

Husan Chuang University

C11-03 (IAS-2009-IS02-03)

Reversible Steganography Based on Side Match and Hit Pattern for VQ-Compressed Images

Cheng-Hsing Yang, Cheng-Ta Huang, and Shih-Jeng Wang

National Pingtung University of Education

C11-04 (IAS-2009-IS02-04)

A High Embedding Efficiency Steganography Scheme for Wet Paper Codes

Zhao-Xia Yin, Chin-Chen Chang, and Yan-Ping Zhang

Anhui University

C11-05 (IAS-2009-IS02-05)

A Block Feature Correlation Based Image Watermarking for Tamper Detection Using Linear Equation

Chin-Feng Lee, Kuo-Nan Chen, Chin-Chen Chang, and Meng-Cheng Tsai

Chaoyang University of Technology

C11-06 (IAS-2009-IS02-06)

Prediction-Based Watermarking Schemes for DCT-Based Image Coding

Jing-Ming Guo and Chia-Hao Chang

National Taiwan University of Science and Technology

C11-07 (IAS-2009-IS02-07)

Human Visual System based Watermarking for Color Images

Kuo-Cheng Liu

Taiwan Hospitality and Tourism College

Session C12

Multimedia Security and Its Applications

Session Chair:

C12-01 (IAS-2009-2031)

A Digital Watermarking Algorithm for DEM Image Based on Stationary Wavelet Transform

Xiang He and Jianjun Liu

Wuhan Polytechnic University

C12-02 (IAS-2009-0800)

An Anti-attack Watermarking Based on Synonym Substitution for Chinese Text

Lu He, Jian-Bin Lin, Tian-Zhi Li, and Ding-Yi Fang

Northwest University

C12-03 (IAS-2009-1919)

Research on Quantitative Evaluation for Integrity

Lihua Yin and Yunchuan Guo

Chinese Academy of Sciences

C12-04 (IAS-2009-1325)

Compensating function of Formant Instantaneous Characteristics in Speaker Identification

Limin Hou and Juanmin Xie

Shanghai University

C12-05 (IAS-2009-0355)

One-way Hash Function Construction Based on Conservative Chaotic Systems

Qing-Hua Zhang, Han Zhang, and Zhao-Hui Li

Nankai University

C12-06 (IAS-2009-2019)

A Comparative Statistical Analysis of Pseudorandom Bit Sequences

Rashidah Kadir, and Mohd Aizaini Maarof

Universiti Teknologi Malaysia

C12-07 (IAS-2009-1744)

Universal Steganalysis to Images with WBMC Model

Xiaoyuan Yang, Shifeng Wang, and Jia Liu

Engineering College of Armed Police Force

Poster Session (I)

P01-01 (IAS-2009-0456)

Browser-side Countermeasures for Deceptive Phishing Attack

Huajun Huang, Shaohong Zhong, and Junshan Tan
Central South University of Forestry & Technology

P01-02 (IAS-2009-1409)

Research on Attack Intention Recognition Based on Graphical Model

Wu Peng, Zhigang Wang, and Junhua Chen
Beijing Institute of Technology

P01-03 (IAS-2009-IS06-02)

Intra-mode Dependent Coding Method for Image Compression

Yung-Chiang Wei, Jui-Che Teng, and Chien-Wen Chung
Far East University

P01-04 (IAS-2009-IS06-03)

Dynamically Constrained One-Bit Transform for Motion Vector Estimation

Fu-Kun Chen, Jui-Che Tenz, Yue-Dar Jou, and Wen-Yuan Liao
Southern Taiwan University

P01-05 (IAS-2009-0297)

Words Clustering Based on Keywords Indexing from Large-scale Categorization Corpora

Liu Hua
Jinan University

P01-06 (IAS-2009-1548)

An Improved Weighted Feature Clustering Algorithm for K-anonymity

Lijian Lu and Xiaojun Ye
Tsinghua University

P01-07 (IAS-2009-0682)

A New Feature Selection Method for Malcodes Detection

Xiaokang Zhang and Jianmei Shuai
University of Science and Technology

P01-08 (IAS-2009-1698)

A New Fingerprint Sequences Matching Algorithm for Content-based Copy Detection

Rongxian Nie, Guiguang Ding, Jianmin Wang, and Li Zhang
Tsinghua University

P01-09 (IAS-2009-1810)

DWT-Based Shot Boundary Detection Using Support Vector Machine

Jun Li, Youdong Ding, Yunyu Shi, and Qingyue Zeng
Shanghai University

P01-10 (IAS-2009-0403)

A Model of Intrusion Prevention Base on Immune

Yaping Jiang, Yong Gan, Jianhua Zhou, and Zengyu Cai
Zhengzhou University of Light Industry

P01-11 (IAS-2009-0169)

ID-based Non-interactive Deniable Authentication Protocol

Wei-Min Shi
Beijing University of Technology

P01-12 (IAS-2009-0431)
A Secure ID-Based Explicit Authenticated Key Agreement Protocol without Key Escrow
Mengbo Hou and Qiuliang Xu
Shandong University

P01-13 (IAS-2009-0546)
An Improved Scheme of Single Sign-On Protocol
Yang Jian
Dezhou University

Poster Session (II)

P02-01 (IAS-2009-0478)
A New Multi-Bank E-cash Protocol with Anonymity Control
Lingling Wang
Qingdao University of Science & Technology

P02-02 (IAS-2009-0723)
A New Conic Curve Digital Signature Scheme
Xiang Can and You Lin
Hainan Normal University

P02-03 (IAS-2009-0631)
Domain Administration of Task-role Based Access Control for Process Collaboration Environments
Yahui Lu and Li Zhang
Shenzhen University

P02-04 (IAS-2009-1913)
Number-theoretic Attack on Lyuu-Wu's Multi-proxy Multi-signature Scheme
Fanyu Kong and Jia Yu
Shandong University

P02-05 (IAS-2009-0448)
A New JPEG Resistant Color Image Watermarking Algorithm Based on Quantization Index Modulation
Jie Nie, Zhiqiang Wei, and Zhen Li
Ocean University of China

P02-06 (IAS-2009-IS18-01)
Intelligent Clustering with PCA and Unsupervised Learning Algorithm in Intrusion Alert Correlation
Maheyzah Md Siraj, Mohd Aizaini Maarof, and Siti Zaiton Mohd Hashim
Universiti Teknologi Malaysia

P02-07 (IAS-2009-1693)
Adaptive-Push Peer-to-Peer Video Streaming System Based on Dynamic Unstructured Topology
Xiaodong Shen, Guiguang Ding, Yizheng Chen, and Jianmin Wang
Tsinghua University

P02-08 (IAS-2009-1153)
The Research on the Measurement of China Internet Illegal and Harmful Content
Qiang Song and Gang Li

Beijing University of Posts and Telecommunications

P02-09 (IAS-2009-1381)

Network Traffic Anomaly Detection Based on Self-Similarity Using HHT and Wavelet Transform

Xiaorong Cheng, Kun Xie, and Dong Wang

North China Electric Power University

P02-10 (IAS-2009-0407)

An Accurate Image Juggling Authentication Algorithm

Jianquan Xie, Qing Xie, and Chunhua Yang

Central South University

P02-11 (IAS-2009-1116)

Analysis the Properties of TLS Based on Temporal Logic of Knowledge

Chao Lv, Hui Li, and Jianfeng Ma

Xidian University

P02-12 (IAS-2009-1162)

f8 Keystream Generator with SMS4 as Core Algorithm

Yingsong Wang and Wei Chen

Zhejiang Normal University

P02-13 (IAS-2009-IS12-02)

A CELP-Speech Information Hiding Algorithm Based on Vector Quantization

Ji-Xin Liu, Zhe-Ming Lu, and Hao Luo

Harbin Institute of Technology Shenzhen Graduate School

Poster Session (III)

P03-01 (IAS-2009-1174)

Waveform Analysis Mathematic Based on Ultrasonic Displacement Measuremen

Wang Yuhui, Dai Ju, and Wang Yuhui

Shandong University of Science and Technology

P03-02 (IAS-2009-1267)

Secure Disk with Authenticated Encryption and IV Verification

Fangyong Hou, Nong Xiao, Fang Liu, and Hongjun He

National University of Defense Technology

P03-03 (IAS-2009-1475)

Non-interactive Evaluation of Encrypted Elementary Functions

Liang Chen, Chengmin Gao, and Yong Xu

South China University of Technology

P03-04 (IAS-2009-1557)

Cryptanalysis of a Knapsack Public Key Cryptosystem

Baocang Wang, Hui Liu, and Yupu Hu

Zhoukou Normal University

P03-05 (IAS-2009-1567)

A New Knapsack Public-Key Cryptosystem

Weidong Zhang, Baocang Wang, and Yupu Hu

Xidian University

P03-06 (IAS-2009-2093)

Small Moving Infrared Target Detection Algorithm under Low SNR Background

Kai Wang, Yan Liu, and Xiaowei Sun

The Second Artillery Engineering Institute

P03-07 (IAS-2009-IS03-02)

A Low-cost RFID Authentication Protocol with Location Privacy Protection

Yu-Yi Chen, Jun-Chao Lu, Shin-I Chen, and Jinn-Ke Jan

National Chung-Hsing University

P03-08 (IAS-2009-0897)

Exploiting RFC2828 as a Domain Vocabulary for Identifying IT Security Literature

Lidong Wang and Liping Qian

National Computer Network Emergency Technical Team/Coordination Center of China

P03-09 (IAS-2009-1224)

Modeling and Analyzing the Spread of Worms with Bilinear Incidence Rate

Junhua Chen and Shengjun Wei

Beijing Institute of Technology

P03-10 (IAS-2009-1628)

An Approach to Checking SOC Timing Safety

Zhenjun Du and Rong Chen

Dalian Maritime University

P03-11 (IAS-2009-1892)

ECC-Cache: A Novel Low Power Scheme to Protect Large-Capacity L2 Caches from Transient Faults

Guanghai Liu

National University of Defense Technology

P03-12 (IAS-2009-2001)

Space Time Block Coded MIMO System with Redundant Antennas

Feng Wang, Xia Liu, and Marek E. Bialkowski

University of Queensland

Poster Session (IV)

P04-01 (IAS-2009-0247)

Fast Fractal Image Coding Using Ambient-Cross Sum of Normalized Block

Gaoping Li

Southwest University for Nationalities

P04-02 (IAS-2009-0281)

Lossy Compression of CFA Image Based on Multiwavelet Packet

Jing Zheng, Qi-Gui Zhang, and Xue-Mei Zhang

Shanxi Vocational Poly-tech College

P04-03 (IAS-2009-0468)

A Robust Watermark Algorithm for JPEG2000 Images

Hai-Ying Gao, Guo-Qiang Liu, Xu Li, and Ying Xu

Information Science Technology Institute

P04-04 (IAS-2009-0203)

A New Image Restoration Algorithm Based on Variational Derivative

Wenjuan Zhang and Weibin Zhang

Xidian University

P04-05 (IAS-2009-0391)

Insider DoS Attacks on Epidemic Propagation Strategies of Network Reprogramming in Wireless Sensor Networks

Yu Zhang, Xing-She Zhou, Yee-Wei Law, and Marimuthu Palaniswami

Northwestern Polytechnical University

P04-06 (IAS-2009-IS13-07)

An Authentication Protocol Applied to RFID Security Systems

Xiaoqing Gong, Yi Wang, Hui Li, and Jian He

Northwest University

P04-07 (IAS-2009-1439)

An Adaptive Fuzzy Scheduling and Fuzzy-PID Performance Control Model Being Suitable to Soft Real-time Systems

Xian-Bo He, Li Yang, and Xian-hua Zeng

China West Normal University

P04-08 (IAS-2009-1799)

Application of Particle Swarm Optimization in Fussy Neural Networks

Qingnian Wang, Kun Yan, Xiaofeng Wan, and Meiling Yuan

Nanchang University

P04-09 (IAS-2009-2035)

The Reversible Network Cascade Based on Reversible Logic Gate Coding Method

Hui Li, Zhijin Guan, Shanli Chen, and Yuxin Chen

Nantong University

P04-10 (IAS-2009-2085)

Redundant Ridgelet Transform and Its Application to Image Processing

Yan Li, Shengqian Wang, and Shengqian Deng

Jiangxi Science and Technology Normal University

P04-11 (IAS-2009-0608)

Webpage Encryption Based on Polymorphic Javascript Algorithm

Zhongying Bai and Jiancheng Qin

Beijing University of Posts and Telecommunications

P04-12 (IAS-2009-1042)

A New Source Address Validation Scheme Based on IBS

Ning-Ning Lu, Hua-Chun Zhou, and Hong-Ke Zhang

Beijing Jiaotong University

Poster Session (V)

P05-01 (IAS-2009-1346)

Intrusion Detection Based on One-class SVM and SNMP MIB Data

Cui-Mei Bao

Shandong University of Technology

P05-02 (IAS-2009-0528)

Microarray Image Segmentation Using Region Growing Algorithm and Mathematical Morphology

Ping Ye and Guirong Weng

Soochow University

P05-03 (IAS-2009-0785)

A study on the Algorithm Based on Image Color Correlation Mining

Yongyue Chen and Huosong Xia

Wuhan University of Science & Engineering

P05-04 (IAS-2009-0984)

An Improving Technique of Color Histogram in Segmentation-based Image Retrieval

Zhenhua Zhang, Wenhui Li, and Bo Li

Jilin University

P05-05 (IAS-2009-0100)

Bearings Fault Diagnosis Based on the Optimal Impulse Response Wavelet

Dan Zhang and Wentao Sui

Shandong University of Technology

P05-06 (IAS-2009-0584)

Interactive Visualisation of 3D City Models Based on Adaptive Streaming of 3D-GIS Data

Zhenping Zhang, Jitao Fang, and Runhuan Jing

Police Office of Qingdao

P05-07 (IAS-2009-IS14-01)

A Parity Check Node Synchronization Based Method for Solving Phase Ambiguity Problem in DVB-S Systems

Jielin Fu and Yongjun Tang

Beijing University of Posts and Telecommunications

P05-08 (IAS-2009-IS14-03)

The Testing and Evaluating System for the Security Operating System Based on the Mechanism of Keyword-driven

Liu Xing, Li Yan, Cai Mian, and Guo Ying

Beijing University of Technology

P05-09 (IAS-2009-IS14-04)

An Identity-Based Authentication Model for Mobile Agent

Yike Yu, Xuefeng Zheng, Mingde Zhang, and Qingguo Zhang

University of Science and Technology Beijing

P05-10 (IAS-2009-1414)

A Role and Activity Based Access Control Model for University Identity and Access Management System

Shuliang Zheng, Dongxing Jiang, and Qixin Liu

Tsinghua University

P05-11 (IAS-2009-0909)

An Intrusion Detection System for Network Storage Based on System Calls

Li-zhong Geng and Hui-bo Jia

Tsinghua University

P05-12 (IAS-2009-0739)

A Support Vector Machines Security Assessment Method Based on Group Decision-marking for Electric Power Information System

Xiaorong Cheng, Yan Wei, and Xin Geng
North China Electric Power University

Poster Session (VI)

P06-01 (IAS-2009-0311)

A Variational Model Combining Curvelet Shrinkage and Nonlinear Anisotropic Diffusion for Image Denoising

Weibin Zhang and Wenjuan Zhang
Xidian University

P06-02 (IAS-2009-0766)

A Novel Distributed Single Sign-On Scheme with Dynamically Changed Threshold Value

Shangping Zhong, Xiangwen Liao, Xue Zhang, and Jingqu Lin
Fuzhou University

P06-03 (IAS-2009-0890)

Building Trust Territory in Ad Hoc Networks

Bai Yuan, Zhang Xing, and Bin Sun
Beijing University of Posts and Telecommunications

P06-04 (IAS-2009-0927)

Cost-Benefit Analysis of China's Internet Content Regulation

Qiang Song and Gang Li
Beijing University of Posts and Telecommunications

P06-05 (IAS-2009-1335)

A Fragile Software Watermarking for Tamper-Proof

Changle Zhang, Hong Peng, Xianzhong Long, Zheng Pan, and Ying Wu
Xihua University

P06-06 (IAS-2009-IS14-09)

Research on Model of Trust Degrees for PKI

Mingde Zhang, Xuefeng Zheng, Wensheng Yang, Shuwang Lv, and Qingguo Zhang
University of Science and Technology Beijing

P06-07 (IAS-2009-IS14-10)

Information Security Routing Protocol in the WSN

Wei Li, Ming Chen, and Mingming Li
Northwestern Polytechnical University

P06-08 (IAS-2009-1972)

Research on New Classification Methods of Remote Sensing of Mass Ingredient without Vegetation of Hei Shan Gorge in Yellow River Basin

Shudong Wang and Xiaohua Wang
Beijing Normal University

P06-09 (IAS-2009-1082)

A Robust Vehicle Tracking Approach Using Mean Shift Procedure

Huan Shen, Shun Ming Li, Jian Guo Mao, Fang Chao Bo, Fang Pei Li, and Hua Peng Zhou
Nanjing University of Aeronautics & Astronautics

P06-10 (IAS-2009-1480)

Scanning Task Scheduling Strategy in Distributed Vulnerability Detection System

Baoyi Wang, Jing Li, Shaomin Zhang, and Xueying Guo

North China Electric Power University

P06-11 (IAS-2009-1512)

Hierarchical Distributed Alert Correlation Model

Donghai Tian, Changzhen Hu, and Yang Qi

Beijing Institute of Technology

P06-12 (IAS-2009-1197)

Defending against UDP Flooding by Negative Selection Algorithm based on Eigenvalue Sets

Rui Xu, Wen-Li Ma, and Wen-Ling Zheng

Shanghai University