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*The Fourth International Conference on  
Intelligent Information Hiding and Multimedia Signal Processing*

August 15 – 17, Harbin, China  
<http://bit.kuas.edu.tw/~iihmosp08/>  
<http://iihmosp2008.hit.edu.cn/>

**Conference Program**

**August 14, 2008**

**Registration ..... 13:30-20:00**  
**(Friendship Palace Hote)**

**August 15, 2008**

**Registration ..... 08:00-17:30**

**Opening ..... 08:30-09:00**

**Plenary Speech I ..... 09:00-10:00**

**Coffee Break**

**Sessions A01-A05 ..... 10:20-12:05**

**Lunch**

**Sessions A06-A10 ..... 13:30-15:15**

**Coffee Break**

**Sessions A11-A15 ..... 15:40-17:25**

**Welcome Dinner ..... 17:40-20:00**

**August 16, 2008**

**Registration ..... 08:00-17:30**

**Plenary Speech II ..... 09:00-10:00**

**Coffee Break**

**Sessions B01-B05 ..... 10:20-12:05**

**Lunch**

**Sessions B06-B10 ..... 13:30-15:15**

<b>Coffee Break</b>	
<b>Sessions B11-B15 .....</b>	<b>15:40-17:25</b>
<b>Conference Banquet .....</b>	<b>17:40-20:00</b>

**August 17, 2008**

<b>Registration .....</b>	<b>08:00-12:00</b>
<b>Coffee Break</b>	
<b>Sessions C01-C05 .....</b>	<b>10:20-12:05</b>
<b>Lunch</b>	
<b>Sessions C06-C10 .....</b>	<b>13:30-15:15</b>
<b>Coffee Break</b>	
<b>Sessions C11-C15 .....</b>	<b>15:40-17:25</b>
<b>Conference Farewell .....</b>	<b>17:40-20:00</b>

# Session List

## **August 15, 2008,10:20-12:05**

**A01 : Digital Crime and Forensics**

**A02 : Ubiquitous Multimedia Services and Applications for Residential Users**

**A03 : Information Retrieval (1)**

**A04 : Wired and Wireless Multimedia Networking and Applications**

**A05 : Techniques and Algorithms for Multimedia Security (1)**

## **August 15, 2008,13:30-15:15**

**A06 : Event Analysis in Videos**

**A07 : Fingerprinting**

**A08 : Data Hiding and Steganography (1)**

**A09 : Cryptography (1)**

**A10 : Techniques and Algorithms for Multimedia Security (2)**

## **August 15, 2008,15:40-17:25**

**A11 : Pattern Recognition (1)**

**A12 : Image and Speech Processing**

**A13 : Video Signal Processing (1)**

**A14 : Watermarking Applications (1)**

**A15 : Networking Applications (1)**

**August 16, 2008,10:20-12:05**

**B01 : Digital Forensics and Data Hiding Discovery**

**B02 : The Applications of Skin Detection**

**B03 : Advanced Data Hiding and Coding Techniques for Audio Signals**

**B04 : Intelligent Video Processing**

**B05 : Joint Source Channel Coding and Applications**

**August 16, 2008,10:20-12:05**

**B06 : Intelligent Signal and Image Processing (1)**

**B07 : Image Feature Extraction, Compression and Watermarking**

**B08 : Information Retrieval (2)**

**B09 : Video Signal Processing (2)**

**B10 : Video Watermarking**

**August 16, 2008,13:30-15:15**

**B11 : Pattern Recognition (2)**

**B12 : Optimization Techniques and Applications (1)**

**B13 : Cross-discipline Techniques (1)**

**B14 : Watermarking Applications (2)**

**B15 : Networking Applications (2)**

**August 17, 2008,10:20-12:05**

**C01 : Biometrics – From Sensors to Standardization**

**C02 : Intelligent Watermark Hiding and Digital Image Processing**

**C03 : Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography (1)**

**C04 : Steganography and Watermarking**

**C05 : Digital Communications**

**August 17, 2008,13:30-15:15**

**C06 : Intelligent Signal and Image Processing (2)**

**C07 : Authentication**

**C08 : Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography (2)**

**C09 : Cryptography (2)**

**C10 : Network Security (1)**

**August 17, 2008,15:40-17:25**

**C11 : Pattern Recognition (3)**

**C12 : Optimization Techniques and Applications (2)**

**C13 : Cross-discipline Techniques (2)**

**C14 : Data Hiding and Steganography (2)**

**C15 : Network Security (2)**

**A01**

*Digital Crime and Forensics*

**Prof. Chang-Tsun Li, University of Warwick, United Kingdom**

**Prof. Xiamu Niu, Harbin Institute of Technology, China**

**A01-01, IHHMSP-2008-WS01-001**

*Challenges of Location Tracking Techniques in Wireless Forensics*

Emmanuel Velasco, Weifeng Chen, Ping Ji, and Raymond Hsieh

City University of New York, USA

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**A01-02, IHHMSP-2008-WS01-002**

*Copyright Protection in Wireless Sensor Networks by Watermarking*

Rong Xiao, Xingming Sun, and Ying Yang

Hunan University, China

{ruong.x@gmail.com, sunnudt@163.com, yingyuang@gmail.com}

**A01-031, IHHMSP-2008-WS01-003**

*File-Update Based Steganography for Microsoft PowerPoint Files*

Yongping Liu, Xingming Sun, Yuling Liu, and Rong Xiao

Hunan University, China,

cs51yp519@126.com, sunnudt@163.com, yuling\_liu@126.com



**A01-04, IIHMSp-2008-WS01-004**

*Random Index Modulation based Fragile Watermarking Scheme for Authenticating Colour Images*

Chang-Tsun Li, and Yue Li

University of Warwick, UK

{ctli, yxl}@dcs.warwick.ac.uk

**A01-05, IIHMSp-2008-WS01-005**

*A Steganography Scheme in P2P Network*

Zishuai Li, Xingming Sun, Xiaoliang Wang, and Baowei Wang

Hunan University, China

lizishuai@126.com, and {sunnudt, wbw. first, fengwxi }@163.com

**A01-06, IIH MSP-2008-0276**

*A Fragile Document Watermarking Technique Based on Wet Paper Code*

Jiixin Yu, Xinsheng Wang, Jianfei Li, and Xu Nan

Yanshan University, China

jxyu@ysu.edu.cn, and lijianfei-518@163.com

**A01-07, IIH MSP-2008-1563**

*New Watermark Attacking Method Based on Eigen-Image Energy*

Te-Cheng Hsu, Wen-Shyong Hsieh, and Tung-Shih Su

National Sun Yat-sen University, Taiwan, R.O.C.

tedhsu@cse.nsysu.edu.tw

**A02**

*Ubiquitous Multimedia Services and Applications for Residential Users*

**Prof. Mong-Fong Horng, Kaohsiung University of Applied Sciences, Taiwan**

**Prof. Yuh-Ming Cheng, Shu-Te University, Taiwan**

**A02-01, IHHMSP-2008-IS01-002**

*Building an Online Game-based Learning System for Elementary School*

Yuh-Ming Cheng, and Peng-Fei Chen

Shu Te University, Taiwan

cymer@mail.stu.edu.tw

**A02-02, IHHMSP-2008-IS01-003**

*The Study of Balance Traffic Load with Genetic Algorithm for PON*

Chun-Ting Huang

National Tsing Hua University, Taiwan

u931807@oz.nthu.edu.tw

**A02-03, IHHMSP-2008-IS01-004**

*A Hybrid Fast Approach to Secure Group-oriented Management of Key Trees on Internet*

Chien-Ming You, Mong-Fong Horng, Yau-Hwang Kuo, and Wan-Ling Du

Nation Cheng Kung University, Taiwan

mffhorng@ieee.org

**A02-04, IIH MSP-2008-0036**

*Research on Remote Monitoring and Control System Key Techniques Based on Data Point Table*

XIAO Han, WANG Chao, and FENG Na

Zhengzhou Teachers' College, China

xiaohan70@163.com

**A02-05, IIH MSP-2008-0279**

*An Adaptive Cross-Layer Scheduling Algorithm for Multimedia Networks*

Xiuyuan Li, Xiaojuan Wu, Wenming Li, and Xiaogang Wang

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lixuyuansdu@yahoo.cn, xiaojwu@sdu.edu.cn, and {wenmingli007, wonder137}@163.com

**A02-06 IIH MSP-2008-0350**

*A Model of Smart Home Fusing Multi-Intelligence*

Jun-feng Man, Lu-Ming Yang, Wen-qiu Zhu, and Qian-qian Li

Central South University, China.

mjfok@tom.com

**A02-07, IIH MSP-2008-0455**

*Supporting Multiple Classes of Services in IP over WDM Ring Network*

Jih-Hsin Ho, and Wen-Shyang Hwang

Diwan University, Taiwan

hjsin@dwu.edu.tw, and wshwang@mail.ee.kuas.edu.tw

**A02-08, IHH MSP-2008-0648**

*A Middleware Design for Block Cipher Seamless Connected into Stream Cipher Mode*

Lan Luo, ZhiGuang Qin, ShiJie Zhou, ShaoQuan Jiang, and Juan Wang

University of Electronic Science and Technology of China, China

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**A03**

*Information Retrieval (1)*

**Prof. Zongming Ma, Northeastern University, China**

**Prof. Feng-Cheng Chang, Chiao Tung University, Taiwan**

**A03-01, IHHMSP-2008-IS03-002**

*Shape Feature Extraction Using Fourier Descriptors with Brightness in Content-based Medical Image Retrieval*

Gang Zhang, Z.M. Ma, Qiang Tong, Ying He, and Tienan Zhao

Northeastern University, China

zongmin\_ma@yahoo.com

**A03-02, IHH MSP-2008-0086**

*Image retrieval based on fuzzy color histogram*

Xu Qiang, and Wu Kai-xing

Hebei University of Engineering, China

xuqiang1983327@163.com

**A03-03, IHH MSP-2008-0580**

*Combination of Wavelet and SIFT Features for Image Classification Using Trained Gaussian Mixture Model*

Kejun Wang, and Zhen Ren

Harbin Engineering University, China

Computer\_vision@sohu.com, and Wheresohu\_what@sohu.com

**A03-04, IHH MSP-2008-0732**

*Media Adaptation in MPEG-21 DIA, Framework, Activities and Open Issues*

Huang Tian-Yun

Southwest University for Nationalities, China

huang.t.y@163.com

**A03-05, IHH MSP-2008-1479**

*A Novel Facial Image Retrieval Algorithm based on PLT-PCA*

Qi Han, Chen Song, Meihui Zhang, and Xiamu Niu

Harbin Institute of Technology, China

{qi.han, chen.song, meihui.zhang, xiamu.niu}@ict.hit.edu.cn

**A03-06, IHH MSP-2008-1537**

*An Improved Presentation Method for Relevance Feedback in a Content-based Image Retrieval System*

Feng-Cheng Chang, and Hsueh-Ming Hang

National Chiao Tung University, Taiwan

breeze@alumni.nctu.edu.tw, hmhang@ntut.edu.tw

**A03-07, IHH MSP-2008-1542**

*A Study on the Meta-data Design for Long-term Digital Multimedia Preservation*

Feng-Cheng Chang, Chin-Yuan Chang, and Hsueh-Ming Hang

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breeze@alumni.nctu.edu.tw, ralohcs@gamil.com, and hmhang@ntut.edu.tw

**A04**

*Wired and Wireless Multimedia Networking and Applications*

**Prof. Takuo Nakashima, Department of Information Science, Kyushu Tokai University, Japan**

**Prof. Nouak Alexander, Fraunhofer Institute IGD, Germany**

**A04-01, IHHMSP-2008-IS04-001**

*Performance Framework for P2P Overlay Network*

Takuo Nakashima, Akari Ono, and Toshinori Sueyoshi

Tokai University, Japan

{taku@ktmail,7aijm001@mail}.tokai-u.jp, and sueyoshi@cs.kumamoto-u.ac.jp

**A04-02, IHHMSP-2008-IS04-002**

*Queueing Property for Different Type of Self-similar Traffics*

Takuo Nakashima, Yusuke Shomura, and Toshinori Sueyoshi

Tokai University, Japan

{taku@ktmail,8aijm001@mail}.tokai-u.jp, and sueyoshi@cs.kumamoto-u.ac.jp

**A04-03, IHHMSP-2008-IS04-003**

*An Animation Engine with the Cubic Spline Interpolation*

Ningping Sun, Toru Ayabe, and Kentarou Okumura

Kumamoto National College of Technology, Japan

sningping@cs.knct.ac.jp

**A04-04, IHHMSP-2008-IS04-004**

An Approach to Speech Driven Animation

Ningping Sun, Kaori Suigetu, and Toru Ayabe

Kumamoto National College of Technology, Japan

sningping@cs.knct.ac.jp

**A04-05, IHH MSP-2008-0020**

*PTV QoS Implement Mechanism in WLAN*

Zhang Jin-Yu, and Liang Man-Gui

BJTU, China

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**A04-06, IHH MSP-2008-0090**

*Location Scheme in Wireless Sensor Networks*

Yao Ye, Cai Wandong, Vincent Hilaire, and Abder Koukam

Northwestern Polytechnical University, China

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**A04-07, IHH MSP-2008-0546**

*Secure Peer Joining Process in Structured P2P System*

Wei Song, and Yuelong Zhao

South China University of Technology, China

color\_unsw@126.com, and ylzhao1@scut.edu.cn



**A04-08, IHH MSP-2008-0663**

*Reducing Signaling cost with Simplified mSCTP In Fast Mobile IPv6*

Jiemin Liu, Jingxin Dou, Hongxing Zou, and Yuan Gao

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**A05**

*Techniques and Algorithms for Multimedia Security (1)*

**Prof. Isao Echizen, National Institute of Informatics, Japan**

**Prof. Hideki Noda, Kyushu, Institute of Technology, Japan**

**A05-01, IHHMSP-2008-IS05-001**

*A Proposal of Falsification Detection System in Structural Design*

Kenshi Uematsu, and Ryoichi Sasaki

Tokyo Denki University, Japan

uematsu@isl.im.dendai.ac.jp, and sasaki@im.dendai.ac.jp

**A05-02, IHHMSP-2008-IS05-002**

*Fingerprinting Traffic Log*

Katsunari Yoshioka, and Tsutomu Matsumoto

Yokohama National University, Japan

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**A05-03, IHHMSP-2008-IS05-003**

*Expiration-Dated Watermarking*

Maki Yoshida, and Toru Fujiwara

Osaka University, Japan

maki-yos@ist.osaka-u.ac.jp

**A05-04, IIHMSp-2008-IS05-004**

*Lossless Data Hiding Using Bit-depth Embedding for JPEG2000 Compressed Bit-stream*

Shogo Ohyama, Michiharu Niimi, Kazumi Yamawaki, and Hideki Noda

Kyushu Institute of Technology, Japan

{ohyama, niimi, yamawaki, noda}@mip.ces.kyutech.ac.jp

**A05-05, IIHMSp-2008-IS05-005**

*Performance Improvement of JPEG2000 Steganography Using QIM*

Takayuki Ishida, Kazumi Yamawaki, Hideki Noda, and Michiharu Niimi

Kyushu Institute of Technology, Japan

{ishida, yamawaki, noda, niimi}@mip.ces.kyutech.ac.jp

**A05-06, IIH MSP-2008-0074**

*An Adaptive and Fragile Image Watermarking Algorithm Based on Composite Chaotic Iterative Dynamic System*

Shengbing CHE, Bin MA, and Zuguo CHE

Central South University of Forestry & Technology, China

cheshengbing727@tom.com

**A05-07, IIH MSP-2008-0567**

*Robust Audio Watermarking Algorithm Based on Histogram Specification*

Xiaoming Zhang, Xiong Yin, and Zhaoyang Yu

Beijing Institute of Petrochemical Technology, China

{zhangxiaoming, yinxiong, yuzhaoyang}@bipt.edu.cn

**A05-08, IHH MSP-2008-0613**

*Parameter Modulation Secure Communication based on Active Control*

Shao-Cheng Qu, Mei-Jing Gong, and Xiao-Yan Wang

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qushaochang@mail.ccnu.edu.cn

**A06**

*Event Analysis in Videos*

**Prof. Jun-Wei Hsieh, Yuan-Ze University, Taiwan**

**Prof. Duan-Yu Chen, Institute of Informaiton Science, Taiwan**

**A06-01, IHHMSP-2008-IS17-001**

*Face Detection with Automatic White Balance for Digital Still Camera*

Yuan-Kai Wang and Chin-Fa Wang

Fu Jen University, Taiwan

ykwang@mail.fju.edu.tw

**A06-02, IHHMSP-2008-IS17-002**

*Human Action Recognition Using Star Templates and Delaunay Triangulation*

Chi-Hung Chuang, Jun-Wei Hsieh, Luo-Wei Tsai, and Kuo-Chin Fan

Jun-wei Hsieh, shieh@saturn.yzu.edu.tw

**A06-03, IHHMSP-2008-IS17-003**

*IRIS RECOGNITION BASED ON MATCHING PURSUITS*

Yueh-Shiun Lee, Jinn Ho, Wen-Liang Hwang, and Chung-Lin Huang

National Tsing Hua University, Taiwan

whwang@iis.sinica.edu.tw

**A06-04, IHHMSP-2008-IS17-004**

*DYNAMIC VISUAL SALIENCY MODELING FOR VIDEO SEMANTICS*

Duan-Yu Chen and Mark Hong-Yuan Liao

Duan-Yu Chen, dychen@iis.sinica.edu.tw

**A06-05, IHHMSP-2008-IS17-005**

*Digital Image Forgery Detection Based on the Consistency of Defocus Blur*

Xin Wang, Bo Xuan, and Silong Peng

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wangxinwsj@163.com, and silong.peng@ia.ac.cn

**A06-06, IHH MSP-2008-0669**

*Video Key Frame Extraction Based on Spatial-temporal Color Distribution*

Zhonghua Sun, Kebin Jia, and Hexin Chen

Beijing University of Technology, China

sunzh@bjut.edu.cn, kebinj@bjut.edu.cn, and chx@jlu.edu.cn

**A06-07, IHH MSP-2008-0962**

*A Speaker Identification System for Video Content Analysis*

Jing Bi, and Shu-Chang Liu

Beijing University of Posts and Telecommunications, China

bijing2006@gmail.com, and scliu@bupt.edu.cn

**A06-08, IHH MSP-2008-1257**

*Detection of H.264 Shot Change Using Intra Predicted Direction*

Tien-Ying Kuo, and Yi-Chung Lo

National Taipei University of Technology, Taiwan

tykuo@ee.ntut.edu.tw, and yclo@image.ee.ntut.edu.tw

**A07**

***Fingerprinting***

**Prof. Hsiang-Cheh Huang, University of Kaohsiung, Taiwan**

**Prof. Shouda Jiang, Harbin Institute of Technology, China**

**A07-01, IHH MSP-2008-0041**

*An Asymmetric Multicast Fingerprinting Scheme Based on Secret Sharing*

Ren Yanzhen, Hu RuiMin, and Ai Haojun

Wuhan University, China

renyz\_w hu@sohu.com, hrm1964@public.wh.hb.cn, and aihaojun@public.wh.hb.cn

**A07-02, IHH MSP-2008-0469**

*A Forward Secure Ring Signature Scheme*

Bao Wansu, and Wei Yun

Zhengzhou Information Science and Technology Institute, China

2004bws@sina.com

**A07-03, IHH MSP-2008-0502**

*Trust Derivation and Recommendation Management in a Trust Model*

LI Lifan

North China Electric Power University, China

Lilifen70@163.com



**A07-04, IIH MSP-2008-0861**

*Curve Watermarking Technique for Fingerprinting Digital Maps*

Yongjian Hu, Heung-Kyu Lee, and Huafei Zeng

Korea Advanced Institute of Science and Technology, Korea

hkleee@mmc.kaist.ac.kr, and eeyjhu@scut.edu.cn

**A07-05, IIH MSP-2008-0956**

*An Image Fingerprinting Method Robust to Complicated Modifications*

Xinghua Yu, and Tiejun Huang

Graduate University of Chinese Academy of Science, China

{xhyu, tjhuang}@jdl.ac.cn

**A07-06, IIH MSP-2008-1151**

*Multicast Video Fingerprinting Scheme with Genetic Algorithm*

Hsiang-Cheh Huang, and Yueh-Hong Chen

National University of Kaohsiung, Taiwan

hch.nuk@gmail.com, and yuehhong@gmail.com

**A07-07, IIH MSP-2008-1296**

*Designated Verifier Proxy Signature Scheme*

Yongjian Liao, Qing Lu, and Zhiguang Qin

University of Electronic Science and Technology of China, China

{liaoyj, luqing, Qinzg}@uestc.edu.cn

**A07-08, IHH MSP-2008-1444**

*Copyright Protection for Images with EXIF Metadata*

Hsiang-Cheh Huang, Yueh-Hong Chen, and Shin-Chang Chen

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hch.nuk@gmail.com, yuehhong@gmail.com, and m0965115@mail.nuk.edu.tw

**A08**

*Data Hiding and Steganography (I)*

**Prof. Feng-Cheng Chang, Chiao Tung University, Taiwan**

**Prof. Christoph Busch, Gjøvik University College, Norway**

**A08-01, IHH MSP-2008-0474**

*A Steganalysis Method Based on Contourlet Transform Coefficients*

Hedieh Sajedi, and Mansour Jamzad

Sharif University of Technology, IRAN

A\_sajedi@ce.sharif.edu, and Jamzad@sharif.edu

**A08-02, IHH MSP-2008-0556**

*Reversible Data Hiding for Audio Based on Prediction Error Expansion*

Diqun Yan, and Rangding Wang

University of Ningbo, China

yandiqun@nbu.edu.cn, and wangrangding@nbu.edu.cn

**A08-03, IHH MSP-2008-0584**

*Damageless Information Hiding Technique using Neural Network*

Kensuke Naoe, and Yoshiyasu Takefuji

Keio University, Japan

naoe@sfc.keio.ac.jp, and takefuji@sfc.keio.ac.jp

**A08-04, IIH MSP-2008-0720**

*An Algorithm of Webpage Information Hiding Based on Attributes Permutation*

Huajun Huang, Shaohong Zhong, and Xingming Sun

Central South University of Forestry & Technology, China

hhj0906@163.com, shaoh\_zhong@yahoo.com, and sunnudt@163.com

**A08-05, IIH MSP-2008-0791**

*Estimating Data Hiding Capacity of Gray Scale Images Based on its bitplanes Structure*

Farzin Yagmaee, and Mansour jamzad

Sharif University of Technology, Iran

yaghmaee@ce.sharif.edu, and Jamzad@sharif.edu

**A08-06, IIH MSP-2008-0839**

*Halftone Image Data Hiding with Reference to Original Multitone Image*

Chih-Cheng Lo, Chien-Ming Lee, Bin-Yih Liao, Jeng-Shyang Pan

Kaohsiung University of Applied Science, Taiwan

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**A08-07, IIH MSP-2008-0900**

*High Capacity Information Hiding Algorithm for DCT Domain of Image*

XIE Jianquan, YANG Chunhua, and HUANG Dazu

Central South University, China

xiejianquan@21cn.com

**A08-08, IHH MSP-2008-0991**

*A Blind Steganalysis Algorithm of QIM-based Hiding*

Hai-Ying Gao

ZhengZhou Information Science Technology Institute, China

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**A09**

*Cryptography (1)*

**Prof. Ping Fu, Harbin Institute of Technology, China**

**Prof. Mong-Fong Horng, Kaohsiung University of Applied Sciences, Taiwan**

**A09-01, IHH MSP-2008-0156**

*A Certificateless Restrictive Partially Blind Signature Scheme*

Changji Wang, and Rongbo Lu

Sun Yat-sen University, China

isswchj@mail.sysu.edu.cn, and lurongbo8563@163.com

**A09-02, IHH MSP-2008-0624**

*A Speech Chaotic Encryption Algorithm Based on Network*

Jing Liu, Fei Gao, and Haiyan Ma

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**A09-03, IHH MSP-2008-0787**

*Fast Implementation of SMS4 Cryptographic Algorithms on Smart Card*

Dawei Zhang, Wenrui Ding, and Ding Ding

Beijing Jiaotong University, China

dwzhang@bjtu.edu.cn, ding@buaa.edu.cn, and dding@bjtu.edu.cn

**A09-04, IHH MSP-2008-0998**

*A Method of Big Prime Number Generator based on NTL*

Tao Meng, Xiaoqian Wu, and Shenghe Sun

Harbin Institute of Technology, China

sunshenghe@hit.edu.cn

**A09-05, IHH MSP-2008-1043**

*A Security Threshold Subliminal Channel Based on Elliptic Curve Cryptosystem*

Yuhua Xie, Xingming Sun, Lingyun Xiang, and Gang Luo

Hunan University, China

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**A09-06, IHH MSP-2008-1123**

*An AVL Tree-Based Dynamic Key Management in Hierarchical Wireless Sensor Network*

Yi-Ying Zhang, Wen-Cheng Yang, Kee-Bum Kim, and Myong-Soon Park

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**A09-07, IHH MSP-2008-1384**

*Data Study on the Chaotic Synchronization Driven by External Chaotic Signal*

Chun-Yan Song, Yu-Long Qiao, and Xing-Zhou Zhang

Harbin Engineering University, China

Songchunyan\_1979@163.com

**A09-08, IHH MSP-2008-1495**

*JPEG Encryption with File Size Preservation*

Xiam Niu<sup>1</sup>, Chongqing Zhou, Jianghua Ding, and Bian Yang

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**A10**

*Techniques and Algorithms for Multimedia Security (2)*

**Prof. Isao Echizen, National Institute of Informatics, Japan**

**Prof. Hideki Noda, Kyushu, Institute of Technology, Japan**

**A10-01, IHHMSP-2008-IS05-006**

*Picture Watermarks Surviving General Affine Transformation and Random Distortion*

Yusuke Atomori, Isao Echizen, and Hiroshi Yoshiura

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**A10-02, IHHMSP-2008-IS05-007**

*Information Hiding Method utilizing Low Visible Natural Fiber Pattern for Printed Document*

Kitahiro Kaneda, Kenji Hirano, Keiichi Iwamura, and Seiichiro Hangai

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**A10-03, IHHMSP-2008-IS05-008**

*A Study of Information Hiding Performance using Simple Dot Pattern with different Tile sizes*

Kitahiro Kaneda, Fumiya Nagai, Keiichi Iwamura, and Seiichiro Hangai

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**A10-04, IIHMS-2008-IS05-009**

*Development of Benchmark Tool for Digital Watermarking*

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**A10-05, IIHMS-2008-IS05-010**

*Design and Implementation of Synchronized Audio-to-audio Steganography Scheme*

Xuping Huang, Ryota Kawashima, Norihisa Segawa, and Yoshihiko Abe

Iwate Prefectural University, Japan

Xuping Huang, g231e012@edu.soft.iwate-pu.ac.jp

**A10-06, IIH MSP-2008-0974**

*A Chinese Text Watermarking Based on Statistic of Phrase Frequency*

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**A10-07, IIH MSP-2008-1069**

*A Capacity Variable Watermarking Algorithm for 2D Engineering Graphic Based on Complex Number System*

Xiaofeng Huang, Fei Peng, and Tao Deng

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0241110108@163.com, eepengf@yahoo.com.cn, and dengtaoheng@gmail.com

**A10-08, IHH MSP-2008-1417**

*A Robust Image Watermarking Scheme Based on A Novel HVS Model in Curvelet Domain*

Yi Xiao, LM Cheng, and LL Cheng

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**A11**

***Pattern Recognition (1)***

**Prof. Ngo Quoc Tao, Vietnamese Academy of Science and Technology, Vietnam**

**Prof. Qiong Li, Harbin Institute of Technology, China**

**A11-01, IIH MSP-2008-0106**

*Comparison of Two Modern Pattern Recognition Methods*

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**A11-02, IIH MSP-2008-0358**

*Sign Language Synthesis of Individuation Based on Data Model*

Xiaoyu Wang , Feng Jiang ,and Hongxun Yao

Harbin University of Science and Technology, China

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**A11-03, IIH MSP-2008-0807**

*An Efficient Model for Isolated Vietnamese Handwritten Recognition*

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**A11-04, IIH MSP-2008-0935**

*New Criterion for Mining Strong Association Rules in unbalanced events*

LI Tong-yan, and LI Xing-ming

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**A11-05, IIH MSP-2008-1092**

*Using Semantics for Dynamic Access Control of XML Documents in Dynamic Coalition Environment*

Tao Peng, Minghua Jiang, and Ming Hu

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**A11-06, IIH MSP-2008-1165**

*MST Clustering Algorithm Based on Optimized Grid*

Meng JianLiang, and Cheng WeiXiang

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**A11-07, IIH MSP-2008-1486**

*A statistic feature-based scheme for the template protection of 2D face recognition*

Qianwen.Wang, Wenjun.Huang, Xiamu.Niu, and Xiuzhan.Jiang

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**A11-08, IIH MSP-2008-1553**

*A Face Recognition Algorithm Decreasing the Effect of Illumination*

Yung-Mao Lu, Bin-Yih Liao, Jeng-Shyang Pan

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**A12**

*Image and Speech Processing*

**Prof. Jun-Wei Hsieh, Yuan-Ze University, Taiwan**

**Prof. Mong-Fong Horng, Kaohsiung University of Applied Sciences, Taiwan**

**A12-01, IHH MSP-2008-0058**

*An Embedded and Efficient Low Memory Hierarchical Image Coder*

Ren-long Wang, Yan-ling Hao, Ying Liu, and Jin Xi

College of Automation, Harbin Engineering University, China

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**A12-02, IHH MSP-2008-0300**

*Improved Hidden Markov Tree Model and its Application in Image Denoising*

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**A12-03, IHH MSP-2008-0628**

*Image Recovery Based on Effective Image Completion*

Chung-Ming Kuo, Nai-Chung Yang, Wei-Han Chang, and Chi-Lin Wu

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**A12-04, IHH MSP-2008-0834**

*Image Editing without Color Inconsistency Using Modified Poisson Equation*

Qin Chuan, Wang Shuozhong, and Zhang Xinpeng

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**A12-05, IHH MSP-2008-1174**

*The Study of 3D Reconstruction Method Based on Dynamic Threshold Method and Improved Ray Casting Algorithm*

Huiyan Jiang, Yudong Zhao, and Ning Li

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hyjiang@mail.neu.edu.cn

**A12-06, IHH MSP-2008-1513**

*Perceptually Transparent Information Hiding in G.729 Bitstream*

Lihua Liu, Mingyu Li, Qiong Li, and Yan Liang

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{mingyu.li, qiong.li, yan.liang}@ict.hit.edu.cn

**A12-07, IHH MSP-2008-1518**

*Compressed Domain Perceptual Hashing for MELP Coded Speech*

Yuhua Jiao, Qiong Li, and Xiamu Niu

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fyuhua.jiao,qiong.li,xiamu.niug@ict.hit.edu.cn



**A12-08, IHH MSP-2008-1548**

*Automatic Target Detection and tracking in FLIR Image sequences using Morphological connected operator*

Wei Chang'an, and Jiang Shouda

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nathanwei@163.com, and jsd@hit.edu.cn

**A13**

*Video Signal Processing (I)*

**Prof. Kebin Jia, Beijing University of Technology, China**

**Prof. Yulong Qiao, Harbin Engineering University, China**

**A13-01, IHH MSP-2008-0193**

*An Extended Self-adaptive Kalman Filtering Object Motion Prediction Model*

Yunpeng Zhang , Zhengjun Zhai, and Xuan Nie Chunyan Ma

Northwestern Polytechnical University, China

poweryp@163.com

**A13-02, IHH MSP-2008-0389**

*A Novel Algorithm of Fast Detection and Segmentation of Moving Object*

Lv Zhuoyi, and Jia Kebin

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**A13-03, IHH MSP-2008-0460**

*Content-Aware Video Transcoding via Visual Attention Model Analysis*

Chia-Hung Yeh, Shih-Meng Chen, and Shiunn-Jang Chern

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**A13-04, IHH MSP-2008-0865**

*A Data Layout and Access Control Strategies of the Video Storage Server based Disk Array*

He Yuan-Qing, and Sun Shi-Xin

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**A13-05, IHH MSP-2008-1186**

*A Multi-view Video Coding Method Based on Distributed Source Coding for Free Viewpoint Switching*

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**A13-06, IHH MSP-2008-1266**

*Fast Local Motion Estimation and Robust Global Motion Decision for Digital Image Stabilization*

Tien-Ying Kuo, and Chung-Hsin Wang

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**A13-07, IHH MSP-2008-1290**

*Efficient Block-matching Motion Estimation Algorithm Based on Temporal and Spatial Correlation for H.264*

Zu-jue Chen, Zhi-xiong Zhang, and Xing Luo

Jiangsu University, China

chenzujue@126.com, zxzhang1982@sina.com, and cyscly@163.com

**A13-08, IIH MSP-2008-1368**

*A Video Summarization Approach based on Machine Learning*

Wei REN, and Yuesheng ZHU

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**A14**

***Watermarking Applications (1)***

**Prof. Hsiang-Cheh Huang, University of Kaohsiung, Taiwan**

**A14-01, IHH MSP-2008-0551**

*A New Visually Imperceptible and Robust Image Watermarking Scheme in Contourlet Domain*

Elham Salahi, M. Shahram Moin, and Ahmad Salahi

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**A14-02, IHH MSP-2008-0692**

*Software Watermarking Based on Dynamic Program Slicing*

Xiaohong Deng, Guowen Xu, Guang Sun, and Junfeng Man

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**A14-03, IHH MSP-2008-0765**

*A Robust Watermarking Scheme using Selective Curvelet Coefficients*

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**A14-04, IHH MSP-2008-0804**

*Image Watermarking Scheme Using Singular Value Decomposition and Micro-genetic Algorithm*

Chih-Chin Lai, Hsiang-Cheh Huang, and Cheng-Chih Tsai

National University of Tainan, Taiwan

cclai@mail.nutn.edu.tw, and huang.hc@gmail.com

**A14-05, IHH MSP-2008-0970**

*The 2nd BOWS contest: Wavelet-Based Bayesian Denoising Attack on Image Watermarking*

Larbi Boubchir, Ayoub Otmani, and Nadia Zerida

University of Caen, France

Larbi.Boubchir@greyc.ensicaen.fr, Ayoub.Otmani@info.unicaen.fr, and Nadia.Zerida@info.unicaen.fr

**A14-06, IHH MSP-2008-1154**

*Stylometric Watermarking*

Qian Zhang, and Nigel Boston

University of Wisconsin-Madison US

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**A14-07, IHH MSP-2008-1271**

*Multiplicative Watermark Detection Using Locally Optimum Nonlinearity*

Tianyu Ye, Yu Fu, Zhiguo Qu, Xinxin Niu, and Yixian Yang

Beijing University of Posts and Telecommunications, China

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**A14-08, IHH MSP-2008-1373**

*Mean-Classified and Hierarchical Block Matching Watermarking in Fractal Coding*

Jing-Ming Guo, Chung-Te Yang, and Jiann-Der Lee

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**A15**

*Networking Applications (1)*

**Prof. Feng-Cheng Chang, Chiao Tung University, Taiwan**

**Prof. Shouda Jiang, Harbin Institute of Technology, China**

**A15-01, IHH MSP-2008-0099**

*A Holonic Model in Wireless Sensor Networks*

Yao Ye, Vincent Hilaire, Abder Koukam, and Cai Wandong

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**A15-02, IHH MSP-2008-0659**

*Asymmetric Path Optimization In Mobile Multi-homed SCTP Multimedia Transport*

Jiemin Liu, Hongxing Zou, Jingxin Dou, and Yuan Gao

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Liujm@mail.neuq.edu.cn

**A15-03, IHH MSP-2008-0856**

*Research on Three-Dimensional Localization Algorithm in Wireless Sensor Network*

Kai Li, Shijue Zheng, Zhenhua Zheng, and Xiaoyan Chen

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**A15-04, IIH MSP-2008-1220**

*intelligent Campus Multi-application RFID Integration System*

Yuan-bo Chen, Chih-Jen Yang, and Gwo-Jia Jong

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**A15-05, IIH MSP-2008-1337**

*Wireless Grid and Storage System Design*

Wenyong Zeng, Yuelong Zhao, Wei Song, and Wenfeng Wang

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**A15-06, IIH MSP-2008-1433**

*A METRICS SUITE FOR STATIC STRUCTURE OF LARGE-SCALE SOFTWARE BASED ON COMPLEX NETWORKS*

Zhang Haohua, Zhao Hai, Cai Wei, Zhao Ming, Luo Guilan, and Zhang Haohua

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**A15-07, IIH MSP-2008-1466**

*On the Security of WAI Protocol in the Third Version of WAPI*

Zhao-Hui Tang, Li Xu, Zhide Chen, Fuchun Guo

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**A15-08, IHH MSP-2008-1528**

*Application-layer Implementation of Service Migration*

Chin-Shiuh Shieh, Che-Wei Hsu, and Wei Kuang Lai

National Kaohsiung University of Applied Sciences, Taiwan

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**B01**

*Digital Forensics and Data Hiding Discovery*

**Prof. Antonio Savoldi, University of Brescia, Italy**

**Prof. Paolo Gubian, University of Brescia, Italy**

**B01-01, IIHMSP-2008-IS06-001**

*Symbian Forensics: An Overview*

Antonio Savoldi, and Paolo Gubian

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**B01-02, IIHMSP-2008-IS06-002**

*Measure of Integrity Leakage in Live Forensic Context*

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{l.pan,lmbatten}@deakin.edu.au, {antonio.savoldi,paolo.gubian}@ing.unibs.it

**B01-03, IIHMSP-2008-IS06-003**

*Methodologies for Detecting Covert Database*

Keun Gi Lee, Antonio Savoldi, Paolo Gubian, Kyung Soo Lim, Seok Hee Lee, and Sang Jin Lee

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**B01-04, IIHMSP-2008-IS06-004**

*Design and Implementation of a Tool for System Restore Point Analysis*

Sun-Mi Yun, Antonio Savoldi, Paolo Gubian, Yeog Kim, Seokhee Lee, and Sangjin Lee

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**B01-05, IIHMSP-2008-IS06-005**

*Design and Implementation of a Tool to Detect Accounting Frauds*

Yeog Kim, Antonio Savoldi, Hyewon Lee, Sunmi Yun, Sangjin Lee, and Jongin Lim

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**B01-06, IIH MSP-2008-1321**

*A Gene Immune Detection Algorithm with Complement Operator on the Basis of Biological Immune Principles*

Ya-Jing Zhang, and Shuan-Hu Wu

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**B01-07, IIH MSP-2008-1341**

*An Improved Steganalysis Method of LSB Matching*

Xiaoyi Yu, and Noboru Babaguchi

Osaka University, Japan

**B01-08, IIH MSP-2008-1508**

*An Evaluation Framework for Kernel-mode Security Modules*

Hui Zhang, Shenghong Chen, Yuqin Sun, and Xiamu Niu

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**B02**

*The Applications of Skin Detection*

**Prof. Jiann-Shu Lee, University of Tainan, Taiwan**

**Prof. Jing-Wein Wang, Kaohsiung University of Applied Sciences, Taiwan**

**Prof. Ming-Che Hsieh, Taitung University, Taiwan**

**B02-01, IIHMSP-2008-IS07-001**

*Face Recognition by Integrating Chin Outline*

Jiann-Shu Lee, Kai-Yang Huang, Sho-Tsung Kao, and Seng-Fong Lin

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cslee@mail.nutn.edu.tw

**B02-02, IIHMSP-2008-IS07-002**

*Face Recognition Based on Gabor Features and Two-Dimensional PCA*

Yi-Chun Lee, and Chin-Hsing Chen

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**B02-03, IIHMSP-2008-IS07-003**

*Hand Detections Based on Invariant Skin-Color Models Constructed Using Linear and Nonlinear Color Spaces*

Cheung-Wen Chang, and Yung-Nien Sun

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Yung-Nien Sun: ynsun@mail.ncku.edu.tw

**B02-04, IIHMSp-2008-IS07-004**

*Knapsack Model for Pixel Based Skin Detection*

Sajad Shirali-Shahreza, Hamid Beigy, and M. Hassan Shirali-Shahreza

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shirali@ce.sharif.edu, beigy@sharif.edu, and hshirali@yazduni.ac.ir

**B02-05, IIHMSp-2008-IS07-005**

*Face Localization in Cluttered Background*

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**B02-06, IIH MSP-2008-0794**

*Research of Gravity-based Outliers Detection*

Meng JianLiang, and Cheng WeiXiang

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**B02-07, IIH MSP-2008-0932**

*Sensation Based Clothes Search System*

Damon Shing-Min Liu, and Ching-I Cheng

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### **B03**

*Advanced Data Hiding and Coding Techniques for Audio Signals*

**Prof. Kotaro Sonoda, National Institute of Information Communications and Technology Japan**

**Prof. Akira Nishimura, Tokyo University of Information Sciences, Japan**

#### **B03-01, IIHMS-2008-IS08-001**

*Data Hiding for Audio Signals that are Robust with respect to Air Transmission and a Speech Codec*

Akira Nishimura

Tokyo University of Information Sciences, Japan

akira@rsch.tuis.ac.jp

#### **B03-02, IIHMS-2008-IS08-002**

*Steganography in Silence Intervals of Speech*

Sajad Shirali-Shahreza, and Mohammad Shirali-Shahreza

Sharif University of Technology, Iran

shirali@cs.sharif.edu, and shirali@ce.sharif.edu

#### **B03-03, IIHMS-2008-IS08-003**

*A Technique of Lossless Steganography for G.711 Telephony Speech*

Naofumi Aoki



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aoki@nis-ei.eng.hokudai.ac.jp

**B03-04, IIHMS-2008-IS08-004**

*Packet Loss Concealment for MDCT-based Audio Codec using Correlation-based Side Information*

Akinori Ito, Kiyoshi Konno, Shozo Makino, and Motoyuki Suzuki

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**B03-05, IIHMS-2008-IS08-005**

*Audio Watermarking Method based on the Cochlear Delay Characteristics*

Masashi Unoki, and Daiki Hamada

Japan Advanced Institute of Science and Technology, Japan

{unoki,hamada}@jaist.ac.jp

**B03-06, IIHMS-2008-IS08-006**

*Content-based Authentication Watermarking with Improved Audio Content Feature Extraction*

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**B03-07, IIHMS-2008-IS08-007**

*A Digital Watermark for Stereo Audio Signals Using Variable Interchannel Delay in High Frequency Bands*

Kazuhiro Kondo, and Kiyoshi Nakagawa  
Yamagata University, Japan  
{kkondo,nakagawa}@yz.yamagata-u.ac.jp

**B03-08, IIHMS-2008-IS08-008**

*On the Accuracy of Estimated Synchronization Positions for Audio Digital Watermarks using the Modified Patchwork Algorithm on Analog Channels*

Koudai Hiratsuka, Kazuhiro Kondo, and Kiyoshi Nakagawa  
Yamagata University, Japan  
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**B04**

*Intelligent Video Processing*

**Prof. Chao-Ho (Thou-Ho) Chen, Kaohsiung University of Applied Sciences, Taiwan**

**Prof. Xiamu Niu, Harbin Institute of Technology, China**

**B04-01, IIHMSP-2008-IS09-001**

*Generalized Bilinear Interpolation of Motion Vectors for Quad-Tree Mesh*

Chih-Cheng Wei and Chin-Hsing Chen

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**B04-02, IIHMSP-2008-IS09-002**

*Robust Superresolution Reconstruction from Compressed Video Sequences with Occlusion*

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chen\_da@mail.njtc.edu.tw, chench@eembox.ncku.edu.tw, c39783@yahoo.com.tw

**B04-03, IIHMSP-2008-IS09-003**

*An Adaptive Image Frequency Subbanding Method for High-Frequency Pixel Estimation*

Chao-Yu Chen, Chao-Ho (Thou-Ho) Chen, Tien-Hsiang Huang, and Chin-Hsing Chen

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**B04-04, IIHMS-2008-IS09-005**

*A Novel Efficient VLSI Architecture of 2-D Discrete Wavelet Transform*

Chin-Fa Hsieh, Tsung-Han Tsai, Chih-Hung Lai, and Tai-An Shan

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**B04-05, IIHMS-2008-IS09-006**

*Low Power Adders Design for Portable Video Terminal*

Chien-Hung Lin, Shu-Chung Yi, and Jin-Jia Chen

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**B04-06, IIHMS-2008-IS09-008**

*The Study on Ship-Flow Analysis and Counting System in a Specific Sea-Area*

*Based on Video Processing*

Da-Jinn Wang, Wen-Sheng Chen, Thou-Ho (Chao-Ho) Chen, Tsong-Yi Chen

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**B04-07, IIHMS-2008-IS09-009**

*H.264 Video Authentication Based on Semi-Fragile Watermarking*

Tsong-Yi Chen, Chao-Ho (Thou-Ho) Chen, Yin-Ting Lin, Yin-Chan Chang, and Da-Jinn Wang

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**B05**

*Joint Source Channel Coding and Applications*

**Prof. Chengke Wu, Xidian University, China**

**Prof. Song Xiao, Xidian University, China**

**B05-01, IIHMS-2008-IS10-002**

*A Delivery System for Scalable Video Streaming Using the Scalability Extension of H.264/AVC over DiffServ Networks*

Lishui Chen and Guizhong Liu

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chenls@mail.xjtu.edu.cn, and liugz@mail.xjtu.edu.cn

**B05-02, IIHMS-2008-IS10-003**

*GM/LM based Error Concealment for MPEG-4 Video Transmission over High Lossy and Noisy Networks*

Xumeing Qian, Guizhong Liu, and Huan Wang

Xi'an Jiaotong University, China

qxm@mailst.xjtu.edu.cn, and liugz@mail.xjtu.edu.cn

**B05-03, IIHMS-2008-IS10-004**

*A Refined Algorithm for the Side Information in DVC*

Ying Feng, Song Xiao, Chengke Wu, and Rui Song

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**B05-04, IIHMSP-2008-IS10-005**

*An Approach to Side Information Estimation Based on Universal Prediction and Motion Compensated Interpolation*

Yangli Wang, Jechang Jeong, Chengke Wu, Song Xiao, and Min Zhou

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**B05-05, IIH MSP-2008-0220**

*A H.264 Based Joint Source Channel Coding Scheme over Wireless Channels*

Xuejuan Gao, Li Zhuo, Suyu Wang, and Lansun Shen

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**B05-06, IIH MSP-2008-0245**

*Double-Domains-Based Covert Communication Scheme for A RS-Code-Based Multiple Description Image Coding System*

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**B05-07, IIH MSP-2008-0444**

*Multiple Description Image Coding Based on DSC and Pixel Interleaving*

Anhong Wang, Yao Zhao, and Jeng-Shyang Pan  
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**B05-08, IIH MSP-2008-0737**

*Multiple Descriptions and Adaptive Delivery of Media Content over Wireless*

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**B06**

*Intelligent Signal and Image Processing (1)*

**Prof. Yen-Wei Chen, Ritsumeikan University, Japan**

**Prof. Yong Zhang, Harbin Institute of Technology, China**

**B06-01, IIHMS-2008-IS18-001**

*Robust face recognition based on modified ICA without training sample of test subjects*

Xian-Hua Han, Yen-Wei Chen, Hideto Fujita, and Akihiko Yamada

Ritsumeikan University, Japan

Xian-Hua Han, hanxianhua2004@yahoo.co.jp

**B06-02, IIHMS-2008-IS18-002**

*Gaze Tracking by Binocular Vision Technology and PPBTF Features*

Huchuan Lu, Chao Wang, and Yen-wei Chen

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lhchuan@dlut.edu.cn, and chen@is.ritsumei.ac.jp

**B06-03, IIHMS-2008-IS18-003**

*Region-Based Segmentation and Auto-Annotation for Color Images*

Yohei Tsurugai, Yuta Iwasaki, Xian-Hua Han, and Yen-Wei Chen

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**B06-04, IIHMS-2008-IS18-004**

*Classification of Brain Matters in MRI by Kernel Independent Component Analysis*

Tomoko Tateyama, Zensho Nakao, and Yen-Wei Chen

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**B06-05, IIHMS-2008-IS18-005**

*Enhancement and Detection of Lung Nodules with Multiscale Filters in CT Images*

Shingo TAKEMURA, Xianhua HAN, Yen-Wei CHEN, Kazuhiro ITO,

Ikuko NISHIKAWA, and Msahiro ITO

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**B06-06, IIHMS-2008-IS18-006**

*Intracative System of Artificial Fish School Based on the Extended BOID Model*

Hisashi Kawabayashi and Yen-Wei Chen

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**B06-07, IIHMS-2008-IS18-007**

*Mapping functions of color image features and human KANSEI*

Yen-Wei Chen, Shouta Sobue, and Xinyin Huang

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**B07**

*Image Feature Extraction, Compression and Watermarking*

**Prof. Zhe-Ming Lu, Sun Yat-Sen University, China**

**Prof. Fa-Xin Yu, Zhejiang University, China**

**B07-01, IIHMSp-2008-IS20-001**

*A Robust Image Watermarking Scheme Based-on the relationship of SVD*

Xiangyang Sun, Ju Liu, Jiande Sun, Qiang Zhang, and Wei Ji

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lmsj\_1123@mail.sdu.edu.cn, and {juliu, jd\_sun}@sdu.edu.cn

**B07-02, IIHMSp-2008-IS20-003**

*Intelligent Watermark Recovery using Spatial Domain Extension*

Shiraz Ahmad and Zhe-Ming Lu

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**B07-03, IIH MSP-2008-0093**

*A Novel ICA-Based Extraction Scheme for Image Watermarking*

Gaorong Zeng, and Zhengding Qiu

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**B07-04, IIH MSP-2008-0329**

*Digital Watermarking Algorithms for Vector Images*

Yi Wang, Kuilong Xia, Yu Fan, and Qiong Li

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**B07-05, IIH MSP-2008-0619**

*An Improved Adaptive QIM Watermark Iterative Algorithm*

Xinghua Sun, Ju Liu, Jiande Sun, Niqing Yang, and Shilong Wu

Shandong University, China

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**B07-06, IIH MSP-2008-1142**

*Image Registration using feature points Extraction and Pseudo-Zernike moments*

Zhan-Long Yang and Bao-Long Guo

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bobdragon@163.com and blguo1199@163.com

**B07-07, IIH MSP-2008-1204**

*Heritage Debris Classification based on 3D Texture Feature and SVM*

Meng Li, Canjie Huang, Ping Fu1, and Suyan Yue  
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lemon820910@126.com, and fuping@hit.edu.cn

**B07-08, IIH MSP-2008-1241**

*A Novel Preservation Framework for Digital Image Archiving System*

Tien-Ying Kuo, and Wen-Hai Hsiao  
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tykuo@ee.ntut.edu.tw, and whhsiao@image.ee.ntut.edu.tw

**B08**

*Information Retrieval (2)*

**Prof. Jim-Min Lin, Feng Chia University, Taiwan**

**Prof. Jen-Wen Ding, National Kaohsiung University of Applied Sciences, Taiwan**

**B08-01, IIH MSP-2008-IS15-001**

*An Efficient Data Replication Scheme for Peer-to-Peer Video Streaming Over  
Wireless-Mesh Community Networks*

Jen-Wen Ding, Wan-Ting Wang, and Chu-Fu Wan

National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan

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**B08-02, IIH MSP-2008-0370**

*Improving Harbin method for content based landscape image retrieval*

Nguyen Huu Quynh, and Ngo Quoc Tao

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**B08-03, IIH MSP-2008-0851**

*Feature Selection Based on Correlation between Fuzzy Features and Optimal Fuzzy-Valued Feature Subset Selection*

Jirong Li

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**B08-04, IIH MSP-2008-0967**

*Road Extraction in Remote Sensing Images Using a New Algorithm*

HU Hua, LIU Ying, WANG Xun, ZHU Xia-jun, and XU Bin

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**B08-05, IIH MSP-2008-1052**

A Novel Information Entropy Shift Based Image Retrieval Algorithm

Wang Yan, and Jia Kebin

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danceslower@sina.com, and kebinj@bjut.edu.cn

**B08-06, IIH MSP-2008-1472**

*A Unified System for Web Personal Image Retrieval*

Lin Xie, Yao Zhao, and Zhenfeng Zhu

Beijing Jiaotong University, China

06120415@bjtu.edu.cn

**B08-07, IIH MSP-2008-1523**

*Content-based Audio Retrieval using Perceptual Hash*

Qiong Li, Jing.Wu, and Xin He

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**B09**

*Video Signal Processing (2)*

**Prof. Kebin Jia, Beijing University of Technology, China**

**Prof. Bao-Long Guo, Xidian University, China**

**B09-01, IHH MSP-2008-0285**

*An effective motion estimation scheme for H.264/AVC*

Pengyu Liu, and Kebin Jia

Beijing University of Technology, China

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**B09-02, IHH MSP-2008-0464**

*Deblocking Filter by Color Psychology Analysis for H.264/AVC Video Coders*

Chia-Hung Yeh, Kai-Lin Huang, and Shiunn-Jang Chern

National Sun Yat-Sen University, Taiwan

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**B09-03, IHH MSP-2008-0523**

*Motion Vector Re-estimation for Video Trans-coding with Arbitrary Downsizing*

Chih-Shan Liu, Wen-Li Wei, Nai-Chung Yang, and Chung-Ming Kuo

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**B09-04, IHH MSP-2008-0680**

*Path Virtualization using Fountain Code for Video Streaming over Heterogeneous Networks*

Sang-Chun Han, Hwangjun Song, and Jun Heo

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**B09-05, IHH MSP-2008-1065**

*Subblock-based BPE Scheme to Conquer Mismatch in Memory Access Pattern*

Bao Feng Li, and Yong Dou

National University of Defense Technology, China

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**B09-06, IHH MSP-2008-1225**

*A Cost-Efficient Bit-Serial Architecture for Sub-Pixel Motion Estimation of H.264/AVC*

Mohammad Reza Hosseiny Fatemi, Hasan F. Ates, and Rosli Salleh

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fatemi@perdana.um.edu.my, hfates@isikun.edu.tr, and rosli\_salleh@um.edu.my

**B09-07, IHH MSP-2008-1314**

*Video Monitoring System Based on Amending Model of Motion Vector*



Zu-jue Chen, Wei Jia, and Zhi-xiong Zhang

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**B09-08, IIH MSP-2008-1378**

*Framework for Distributed Video Surveillance in Heterogeneous Environment*

Xiang Fu , Bao-long Guo

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fxfb163@163.com

**B10**

*Video Watermarking*

**Prof. Po-Chyi Su, Central University, Taiwan**

**Prof. Tien-Ying Kuo, Taipei University of Technology, Taiwan**

**B10-01, IHH MSP-2008-0234**

*A Real-time Video Watermarking Using Adjacent Luminance Blocks Correlation Based on Compressed Domain*

Shaohui Liu, Tianhang Chen, Hongxun Yao, and Wen Gao

Harbin Institute of Technology, China

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**B10-02, IHH MSP-2008-0240**

*Broadcast Video Logo Detection and Removing*

Chung-Ming Kuo, Cheng-Ping Chao, Wei-Han Chang, and Jin-Long Shen

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**B10-03, IHH MSP-2008-0812**

*Digital Video Multicasting System with Seamless Handover Mechanism*

Ren-Guey Lee, Chun-Chieh Hsiao, Hsin-Hao Tseng, and Chih-Chun Lai

National Taipei University of Technology, Taiwan

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**B10-04, IHH MSP-2008-1049**

*Self-Adaptive Video Watermarking Based on the Motion Characteristic Detection and the Model of Entropy*

LI Zhi, and CHEN Xiao-Wei

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lizhigzu@163.com

**B10-05, IHH MSP-2008-1084**

*A Content-Adaptive Digital Watermarking Scheme in H.264/AVC Compressed Videos*

Po-Chyi Su, Ming-Lun Li, and Ing-Fan Chen

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pochyisu@csie.ncu.edu.tw

**B10-06, IHH MSP-2008-1244**

*Fragile Video Watermarking Technique by Motion Field Embedding with Rate-distortion Minimization*

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**B10-07, IHH MSP-2008-1332**

*A Novel Watermarking Method For Wyner-Ziv Video Coding*

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**B11**

*Pattern Recognition (2)*

**Prof. Jiann-Shu Lee, University of Tainan, Taiwan**

**Prof. Zhenfeng Shi, Harbin Institute of Technology, China**

**B11-01, IIH MSP-2008-0314**

*Face Recognition Based on Chaotic Fuzzy RBF Neural Network*

Meng Jian-liang, Gao Wan-qing, Pang Hui-jing, and Niu Wei-hua

North China Electric Power University, China

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**B11-02, IIH MSP-2008-0376**

*Shallow Semantic Parsing for Lexical Units in Chinese FrameNet*

Hao Xiaoyan, Chang Xiaoming, and Liu Kaiying

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nameguozw@sina.com.cn, lab@xiaoming-lab.com, and liukaiying99@vip.163.com

**B11-03, IIH MSP-2008-0643**

*An Algorithm for License Plate Recognition System for Non-stop Toll Stations*

Bo Li , Zhi-Yuan Zeng, and Jian-Zhong Zhou

Huazhong University of Science and Technology, China

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**B11-04, IIH MSP-2008-0800**

*Grid distance-based Improving Accuracy Clustering Algorithm*

Pang-Chunjiang, Cheng-Weixiang, and Niu-Weihua<sup>3</sup>

North China Electric Power University, China

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**B11-05, IIH MSP-2008-1353**

*A Volume Segmentation Algorithm for Medical Image Based on K-means Clustering*

Li Xinwu

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**B11-06, IIH MSP-2008-1448**

*IGSOM: Incremental Clustering Based on Self-Organizing-Mapping*

Ming Liu , Yuan-Chao Liu, and Xiao-Long Wang

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mingliu@insun.hit.edu.cn, lyc@insun.hit.edu.cn, and wangxl@insun.hit.edu.cn

**B11-07, IIH MSP-2008-1533**

*Image recognition based on a novel data fusion method*

Qingdong Du, Lijin, and Chenxiao

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**B12**

*Optimization Techniques and Applications (I)*

**Prof. Qiong Li, Harbin Institute of Technology, China**

**B12-01, IHH MSP-2008-0071**

*Parallel Genetic Algorithm Model Based on AHP and Neural Networks for Enterprise Comprehensive Business*

Xilong Qu, Jian Feng, and Wenfang Sun

Hunan Institute of Engineering, China

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**B12-02, IHH MSP-2008-0248**

*Parameter Selection of Generalized Fuzzy Entropy-based Thresholding Segmentation Method with Particle Swarm Optimization*

Lei Bo, and Fan Jiu-Lun

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**B12-03, IHH MSP-2008-0306**

*Fault Diagnosis of Distribution System Based on Distributed Chaotic Fuzzy RBF Neural Networks*

Meng Jian-liang, Gao Wan-qing, Pang Hui-jing, and Niu Wei-hua

North China Electric Power University, China

gaowanqing1006@163.com

**B12-04, IHH MSP-2008-0639**

*The FastICA Algorithm Based on Successive Approximations with Superior Convergence Rate*

Doru Constantin, and Luminita State

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**B12-05, IIH MSP-2008-0948**

*Incomplete Points Cloud Data Surface Reconstruction Based on Neural Network\**

Wu Xue-mei , Li Gui-xian Zhao, and Wei-min

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wxmchxsh@126.com, and wxmchxsh\_03 @163.com

**B12-06, IIH MSP-2008-1302**

*Parameters Optimization of Fuzzy Controller Based on Improved Particle Swarm Optimization*

Dongyun Wang, and Guan Wang

Zhongyuan University of Technology, China

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**B12-07, IIH MSP-2008-1469**

*An Implementation of Fuzzy Clustering with Size and Shape Constraints*

Jian-hui Wang, Yan Jiang, and Hai-long Zhang

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jwang116@hotmail.com



**B13**

*Cross-discipline Techniques (1)*

**Prof. Tien-Ying Kuo, Taipei University of Technology, Taiwan**

**Prof. Yong Zhang, Harbin Institute of Technology, China**

**B13-01, IHH MSP-2008-0026**

An Optimal Predictive Polling Mechanism on EPON

Zhang Jin-Yu, and Liang Man-Gui

BJTU, China

{zjy,mgliang}@bjtu.edu.cn

**B13-02, IHH MSP-2008-0102**

*Design and Implementation of A New Practical Grid*

Li Ang, Geng Nan nan, and Gao Hong

Northeast Dian Li University, China

leon368368@hotmail.com, wonderful0817@163.com, and gaohongyy1028@hotmail.com

**B13-03, IHH MSP-2008-0258**

*Research on the Application of Six Sigma in Software Process Improvement*

ZHAO Xiaosong, HE Zhen, GUI Fangfang, and ZHANG Shenqing

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**B13-04, IIH MSP-2008-0590**

*The research of Trusted Computing based on the model of trusted Meta data of BSCM*

Liu Zhong

Guilin university of technology, China

yliuzh@sohu.com

**B13-05, IIH MSP-2008-0916**

*Configuring RBAC to Simulate Bell Model*

Yong-Zhong He, Zhan Han, and Ye Du

Beijing Jiaotong University, China

yzhhe@bjtu.edu.cn

**B13-06, IIH MSP-2008-1145**

*Development on the Partial Discharge on-line Monitoring System of Transformer based on Embedded System*

Zhang Dening, Zhang Shuguang, Suo Xuesong, Cheng man, Kou Hong juan,

Shi Xiang ling, Zhang su, and Li Haiquan

Mechanical And Electricity of College Agriculture University of Hebei, China

zhangdn001@163.com

**B13-07, IIH MSP-2008-1439**

*Visualization and Cognition of Large-scale Software Structure using the k-core Analysis*

Zhang Haohua, Zhao Hai , Cai Wei , Zhao Ming , Luo Guilan, and Zhang Haohua

Northeastern University, China

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**B13-08, IIH MSP-2008-1456**

*Research and Design of Autonomic Software Agent Architecture*

Zhou Chuan-Sheng

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## **B14**

### *Watermarking Applications (2)*

**Prof. Ping Fu, Harbin Institute of Technology, China**

#### **B14-01, IIH MSP-2008-0484**

*Source Code Watermarking Based On Function Dependency Oriented Sequencing*

Gaurav Gupta, and Josef Pieprzyk

Macquarie University, Australia

{ggupta,josef}@ics.mq.edu.au

#### **B14-02, IIH MSP-2008-0883**

*A New Approach Against Color Attacks of Watermarked Images*

Abdelhamid Benhocine, Lamri Laouamer, Laurent Nana, and Anca Pascu

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Abdelhamid\_Benhocine@yahoo.fr, Lamri.Laouamer@etudiant.uni-.brest.fr, and

{ Laurent.Nana, Anca.Pascu }@univ-brest.fr

#### **B14-03, IIH MSP-2008-1030**

*Watermark Detection Using Channel Estimation in the Quantization Based Watermarking System*

Cagatay Karabat, and Mehmet Keskinöz

Sabancı University, Turkey

cagatay@uekae.tubitak.gov.tr, and keskinöz@sabanciuniv.edu

**B14-04, IIH MSP-2008-1213**

*Variance-Classified Capacity Watermarking Using Discrete Cosine Transform*

Jing-Ming Guo, Yu-Cheng Lu, and Jiann-Der Lee

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jmguo@seed.net.tw, b9121095@stmail.cgu.edu.tw, and jdlee@mail.cgu.edu.tw

**B14-05, IIH MSP-2008-1260**

*Introducing A New Method for Estimation Image Complexity According To Calculate Watermark Capacity*

Farzin Yaghmaee, and Mansour Jamzad

Sharif University of Technology, Iran

yaghmaee@ce.sharif.edu, and jamzad@sharif.edu

**B14-06, IIH MSP-2008-1284**

*A Novel Relational Database Watermarking Algorithm*

Yu Fu, Tianyu Ye, Zhiguo Qu, Xinxin Niu, and Yixian Yang

Beijing University of Posts and Telecommunications, China

eleven711711@yahoo.com.cn

**B14-07, IIH MSP-2008-1363**

*Review on Copyright Marking Techniques of GIS Vector Data*

Li Anbo, Chen Ying, Lin Bingxian, and Zhou Wei, LÜ Guonian

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**B14-07, IHH MSP-2008-1411**

*A New Wavelet Watermark Scheme of Color Image Based on Chaotic Sequences*

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**B15**

*Networking Applications (2)*

**Prof. Yulong Qiao, Harbin Institute of Technology, China**

**Prof. Chuang Lin, Harbin Institute of Technology, China**

**B15-01, IHH MSP-2008-0489**

*Intelligent Hospital Space Platform Combined with RFID and Wireless Sensor Network*

Sheng-Rong Huang, Gwo-Jiun Horng, and Gwo-Jia Jong

National Kaohsiung University of Applied Sciences, Taiwan

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**B15-02, IHH MSP-2008-0656**

*Rethinking Retransmission Policy In Concurrent Multipath Transfer*

Jiemin Liu, Hongxing Zou, Jingxin Dou, and Yuan Gao

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**B15-03, IHH MSP-2008-0677**

*Cooperative QoS-aware Routing Algorithm based on IEEE 802.11 Multi-rate over Mobile Ad Hoc Networks*

Zae-Kwun Lee, Hwangjun Song, and Gyeong Cheol Lee

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**B15-04, IHH MSP-2008-0685**

*An Information Hiding Scheme for the MDC-OFDM Wireless Networks*

Chuang Lin, and Jeng-Shyang Pan

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linchuang\_78@sina.com, and jspan@cc.kuas.edu.tw

**B15-05, IHH MSP-2008-0757**

*The Design and Analysis of Constraint Networks for Uncertain Temporal Interval Relations*

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**B15-06, IHH MSP-2008-1228**

*Vehicle Information Communication Safety Combined with Mobile RFID System*

Wen-Hao Hsieh, Chien-Jung Ho, Gwo-Jia Jong

National Kaohsiung University of Applied Sciences, Taiwan

1096305127@cc.kuas.edu.tw, and gjjong@cc.kuas.edu.tw

**B15-07, IHH MSP-2008-1276**

*Mobile RFID Integration Home-Care System for Wireless Network*

Jing-Cyun You, Yao-Lung Yeh, Gwo-Jia Jong

National Kaohsiung University of Applied Sciences, Taiwan

1096305130@cc.kuas.edu.tw, and gjjong@cc.kuas.edu.tw



**B15-08, IHH MSP-2008-1460**

*Application of MAC-based VLANs for Mobile Office in Campus Area Network*

Ning Jiang, and Liancheng Shan

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jiangnn2003@yahoo.com.cn, and slc@sina.com

**C01**

*Biometrics – From Sensors to Standardization*

**Prof. Christoph Busch, Gjøvik University College, Norway**

**Prof. Stephen D. Wolthusen, University of London, United Kingdom**

**C01-01, IIHMSp-2008-IS11-001**

*Face Recognition Using Separate Layers of the RGB Image*

Patrick Bours, and Kirsi Helkala

Gjøvik University College

patrick.bours@hig.no, and kirsi.helkala@hig.no

**C01-02, IIHMSp-2008-IS11-002**

*Biometric Fusion Using Enhanced SVM Classification*

Menrit S. Fahmy, Amir F. Atiya, and Raafat S. Elfouly

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**C01-03, IIHMSp-2008-IS11-003**

*Common Interface for Connecting of Low Profile Biometric Modules*

Raul Sanchez-Reillo, L. Mengibar-Pozo, M. G. Lorenz, and R. Alonso-Moreno

University Carlos III of Madrid, Spain

{rsreillo, mengibar, lorenz, ramoreno}@ing.uc3m.es

**C01-04, IIHMSp-2008-IS11-004**

*Visible-Spectrum Biometric Retina Recognition*

Halvor Borgen, Patrick Bours, and Stephen D. Wolthusen

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**C01-05, IIHMSp-2008-IS11-005**

*Pseudo Identities Based on Fingerprint Characteristics*

Nicolas Delvaux, P. Lindeberg, J. Breebaart, E. Kindt, C. Busch, J. Stern, C. Rust, B. Cucinelli, and D. Skepastianos

Christoph Busch, christoph.busch@hig.no

**C01-06, IIHMSp-2008-IS11-006**

*Fuzzy Vault for 3D Face Recognition Systems*

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**C01-07, IIHMSp-2008-IS11-007**

*Experiments with Skin Resistance and Temperature for Liveness Detection*

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**C01-08, IIHMSp-2008-IS11-008**

*Arm Swing as a Weak Biometric for Unobtrusive User Authentication*

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**C01-09, IHH MSP-2008-1110**

*Biometric Systems and Data Protection Legislation in Germany*

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**C02**

***Intelligent Watermark Hiding and Digital Image Processing***

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

**Prof. Qiong Li, Harbin Institute of Technology, China**

**C02-01, IHHMSP-2008-IS12-001**

***Steganalysis Based on Co-occurrence Matrix of Differential Image***

**Ziwen Sun, Maomao Hui, and Chao Guan**

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**C02-02, IIHMS-2008-IS12-002**

*A New Iris Recognition Method Based on Gabor Wavelet Neural Network*

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**C02-03, IIHMS-2008-IS12-003**

*Document Watermarking Robust to Copying*

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**C02-04, IIHMS-2008-IS12-004**

*A Robust Double Watermarking 3D Mesh Model Based on Feature*

Xiaoqing Feng, Li Li, Zhigen Pan, Shusen Sun, and Daxing Zhang

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**C02-05, IIHMS-2008-IS12-005**

*Robust Remote Authentication for Scalable Web-Based Services*

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**C02-06, IHHMSP-2008-IS12-006**

*Reversible Data Embedding Using the Sliding Window*

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**C02-07, IHHMSP-2008-IS12-007**

*A Blind Associative Watermark Detection Scheme Using Self-embedding Technique*

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**C02-08, IHHMSP-2008-IS12-008**

*Software Integration for Applications with Audio Stream*

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**C03**

*Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography (1)*

**Prof. Chia-Chen Lin, Providence University, Taiwan**

**Prof. Ping Fu, Harbin Institute of Technology, China**

**C03-01, IHHMSP-2008-IS13-001**

*The Distortion Control Method of Reversible Contrast Mapping Hiding Scheme*

Tzu-Chuen Lu, and Ying-Hsuan Huang

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**C03-02, IHHMSP-2008-IS13-002**

*A Robust Watermarking Algorithm Based on Salient Image Features*

Yuan-Liang Tang and Chih-Peng Wang

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**C03-03, IHHMSP-2008-IS13-003**

*Efficient Vector Quantization Codebook Generation Based on Histogram Thresholding Algorithm*

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**C03-04, IHHMSP-2008-IS13-004**



*Secret Sharing Systems with Authentication-based Steganography*

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**C03-05, IHHMSP-2008-IS13-005**

*An Effective Demosaicking and Zooming Algorithm for CFA Images*

Chin-Feng Lee, Pei-Yan Pai, Wen-Hung Huang, and Chin-Chen Chang

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**C03-06, IHH MSP-2008-1102**

*A Computation Model for Capacity and Robustness of Robust Image Watermarking Scheme in Spatial Domain*

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**C03-07, IHH MSP-2008-1499**

*Research on the Capacity of Error-correcting Codes-based Information Hiding*

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**C04**

*Steganography and Watermarking*

**Prof. Ching-Yu Yang, Penghu University, Taiwan**

**Prof. Chih-Hung Lin, Southern Taiwan University, Taiwan**

**C04-01, IHHMSP-2008-IS14-001**

*IWT-based Watermarking by Adaptive Bit-labeling Scheme*

Ching-Yu Yang, Wei-Ying Hwang, and Ya-Fen Cheng

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**C04-02, IHHMSP-2008-IS14-002**

*Use of Quotient-embedding Scheme with Smart Arrangement Technique to Hide Gray-scale Data*

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**C04-03, IHHMSP-2008-IS14-003**

*A Data Hiding Method with Capabilities for Information Authentication and Face Image Recovery in e-Commerce Applications*

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**C04-04, IIHMSp-2008-IS14-004**

*Enhance the Image Sharing with Steganography and Authentication*

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**C04-05, IIHMSp-2008-IS14-005**

*Multi-Purpose Image Watermarking Method Based on Wavelet Transform*

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**C04-06, IIHMSp-2008-IS14-006**

*Multipurpose Image Authentication Method based on Vector Quantization*

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**C04-07, IIH MSP-2008-0353**

*Robust Digital Image Watermarking Based on Haar Orthogonal Function System*

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**C05**

*Digital Communications*

**Prof. Yulong Qiao, Harbin Engineering University, China**

**Prof. Tsong-Yi Chen, Kaohsiung University of Applied Sciences, Taiwan**

**C05-01, IHH MSP-2008-0575**

*An FFT-based DS-SS Signal Acquisition Algorithm Research*

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**C05-02, IHH MSP-2008-0634**

*The Design and Research of Remote Terminal Unit Based on Radio Technology*

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**C05-03, IHH MSP-2008-0761**

*Reduced-State detection for continuous phase modulation (CPM) Signals*

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**C05-04, IHH MSP-2008-0877**

*Low-complexity Real-time LDPC Encoder Design for CMMB*

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**C05-05, IHH MSP-2008-0929**

*A Novel Soft-in-Soft-out Decoder for Nordstrom-Robinson Code*

Huan Li, Zhiyong Zou, Xiaoxiang Zhao, and Kuang Wang

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**C05-06, IHH MSP-2008-0944**

*Wide-band Low-noise Quadrature VCO Design*

Yong-hong Yan, Yan Xie, Wei Peng, and Yun Zeng

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**C05-07, IHH MSP-2008-1033**

*Robust Non-Blind Detection for Spread Spectrum Watermarking System*

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**C05-08, IHH MSP-2008-1099**

*A Novel Grading Noise-pretreatment Algorithm Based on Time-frequency Blind Source Separation*

Wang Er-Fu, Zhang Nai-Tong, and Meng Wei-Xiao

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**C06**

*Intelligent Signal and Image Processing (2)*

**Prof. Kyoungmu Lee, Seoul National University, Korea**

**Prof. Chang-Su Kim, Korea University, Korea**

**C06-01, IHHMSP-2008-IS19-001**

*Multiview Video Service Framework for 3D Mobile Devices*

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**C06-02, IHHMSP-2008-IS19-002**

*An Object Removal Using Multi-View Sequence Inpainting Technique*

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**C06-03, IHHMSP-2008-IS19-003**

*Challenges and Realization of Real-Time Multi-View Video Transport Systems over IP Networks*

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**C06-04, IIHMS-2008-IS19-004**

*Efficient Prediction Structure for 2-D Wide Multi-View Video Sequence*

Taeyoung Chung, Kwanwoong Song, and Chang-Su Kim

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**C06-05, IIHMS-2008-IS19-005**

*A Motion Vector Prediction Method for Multi-View Video Coding*

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**C06-06, IIHMS-2008-IS19-006**

*Segment-based foreground object disparity estimation using Zcam and multiple-view stereo*

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**C06-07, IIHMS-2008-0172**

*High Performance Hardware Implementation Architecture for DWT of Lifting Scheme*

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**C07**

*Authentication*

**Prof. Chih-Hung Lin, Southern Taiwan University, Taiwan**

**Prof. Qiong Li, Harbin Institute of Technology, China**

**C07-01, IHH MSP-2008-0335**

*A User Authentication Scheme Based on Fingerprint and USIM Card*

Xian-ge Huang, Lei Shen, and Yan-hong Feng

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**C07-02, IHH MSP-2008-0604**

*Audio quality-based authentication using wavelet packet decomposition and best tree selection*

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**C07-03, IHH MSP-2008-0903**

*A Novel Watermarking-Based Reversible Image Authentication Scheme*

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**C07-04, IHH MSP-2008-0995**

*Design and Implementation of Secure Active RFID System with Cryptography and Authentication Mechanisms*

Hsi-Wen Wang, Chien-Chih Lai, Chun-Chieh Hsiao, Guan-Yu Hsieh<sup>1</sup>, and Ren-Guey Lee

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**C07-05, IHH MSP-2008-1027**

*A New Variant of the Diffie-Hellman Key-Exchange Protocol Based on Block Triangular Matrix Groups*

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**C07-06, IHH MSP-2008-1324**

*Efficient many-to-one and one-to-many multiparty quantum secure direct communication with authentication*

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**C07-07, IHH MSP-2008-1482**

*A 3D Model Authentication Algorithm based on Reversible Watermarking*

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**C08**

*Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography (2)*

**Prof. Chia-Chen Lin, Providence University, Taiwan**

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

**C08-01, IHHMSP-2008-IS13-007**

*Hiding Data in VQ-compressed Images Using Pairwise Nearest Codewords Based on Minimum Spanning Tree*

Chin-Feng Lee, Chin-Chen Chang and Kuo-Hua Wang

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**C08-02, IHHMSP-2008-IS13-008**

*An Image Authentication Scheme for Halftone Images Based upon Error Diffusion*

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**C08-03, IHHMSP-2008-IS13-009**

*Twice Grid Colorings in Steganography*

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**C08-04, IHHMSP-2008-IS13-010**

*A New Probabilistic Visual Secret Sharing Scheme for Color Images*

Chin-Chen Chang, Chia-Chen Lin, T. Hoang Ngan Le, and Hoai Bac Le

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**C08-05, IHH MSP-2008-0253**

*Covert Communication based on Subliminal Channel in Broadcast Multi Signature*

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**C08-06, IHH MSP-2008-0697**

*A Color Image Digital Watermarking Method Based on Value-Value Surface*

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**C08-07, IHH MSP-2008-1405**

*Analysis Based on Generalized Vector Quantization for Information Hiding*

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**C08-08, IHH MSP-2008-1503**

*A Blocking-resistant Method for Anonymity System Based on Proxy and Data Hiding*

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**C09**

*Cryptography (2)*

**Prof. Yong Zhang, Harbin Institute of Technology, China**

**Prof. Tsong-Yi Chen, Kaohsiung University of Applied Sciences, Taiwan**

**C09-01, IHH MSP-2008-0141**

*Based MATLAB on Advanced Encryption Standard (AES) IP Validation*

Xinsheng Wang, Liang Han, Chenxu Wang, and Xiaoning Liu

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**C09-02, IHH MSP-2008-0382**

*Breaking Instance II of New TTM Cryptosystems*

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**C09-03, IHH MSP-2008-0607**

*Secure Communication Based on Synchronization of Unified Chaotic Systems*

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**C09-04, IHH MSP-2008-0768**

*A Novel Symmetric Image Encryption Approach Based on a New Invertible Two-dimensional Map*

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**C09-05, IHH MSP-2008-0827**

*A Public Key Cryptography Based Algorithm for Watermarking Relational Databases*

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**C09-06, IHH MSP-2008-1016**

*New color image encryption algorithm based on chaotic sequences ranking*

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**C09-07, IHH MSP-2008-1177**

*A Multiple Encryption Algorithm for 2D Engineering Graphic Based on Fourier Descriptors and Chaos Scrambling*

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0241110108@163.com

**C09-08, IHH MSP-2008-1232**

*NCPA: A Scheduling Algorithm for Multi-cipher and Multi-mode Reconfigurable Cryptosystem*

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## **C10**

### *Network Security (1)*

**Prof. Wei-Bin Lee, Feng Chia University, Taiwan**

**Prof. Shouda Jiang, Harbin Institute of Technology, China**

#### **C10-01, IHHMSP-2008-IS16-001**

##### *Assigning Keys in a Hierarchy*

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#### **C10-02, IHHMSP-2008-IS16-002**

##### *A Novel Digital Signature Scheme for Application of Document Review in a Linearly Hierarchical Organization*

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iclin@nchu.edu.tw, and ccc@cs.ccu.edu.tw

#### **C10-03, IHHMSP-2008-IS16-003**

##### *An Effective Priority Queue-based Scheme to Alleviate Malicious Packet Flows from Distributed DoS Attacks*

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**C10-04, IHHMSP-2008-IS16-004**

*An Improved Authentication Key Agreement Protocol Based on Elliptic Curve for Wireless Mobile Networks*

Chin-Chen Chang and Shih-Chang Chang

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**C10-05, IHHMSP-2008-IS16-005**

*Aryabhata Remainder Theorem for Moduli with Common Factors and Its Application in Information Protection Systems*

Jen-Ho Yang and Chin-Chen Chang

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**C10-06, IHHMSP-2008-0347**

*A Fractional-step DDoS Attack Source Traceback Algorithm Based on Autonomous System*

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**C10-07, IHHMSP-2008-1040**

*Covert Channels Based on Jitter Field of the RTCP Header*

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**C10-08, IHH MSP-2008-1199**

*Distinguishing Attack on SN3 Stream Cipher*

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**C11**

*Pattern Recognition (3)*

**Prof. Bao-Long Guo, Xidian University, China**

**Prof. Xiamu Niu, Harbin Institute of Technology, China**

**C11-01, IIH MSP-2008-0367**

*DTW/ISODATA algorithm and Multilayer architecture in Sign Language*

*Recognition with large vocabulary*

Xiaoyu Wang , Feng Jiang, and Hongxun Yao

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**C11-02, IIH MSP-2008-0429**

*Printed Chinese Character Recognition based on Pixel Distribution Probability of Character Image*

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**C11-03, IIH MSP-2008-0599**

*Emotion Recognition of Finger Braille*

Yasuhiro Matsuda, Tsuneshi Isomura, Ichiro Sakuma, Yasuhiko Jimbo, Etsuko Kobayashi, and Tatsuhiko Arafune

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**C11-04, IIH MSP-2008-0985**

*The Research of Vehicle Driving Multimedia Data Recording*

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**C11-05, IIH MSP-2008-1088**

*A Combined Static and Dynamic Software Birthmark Based on Component  
Dependence Graph*

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**C11-06, IIH MSP-2008-1137**

*Image Mosaic Based on SIFT*

Zhan-Long Yang and Bao-Long Guo

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**C11-07, IIH MSP-2008-1491**

*A New Face Recognition Scheme with Renewable Templates*

Wenjun Huang, Xin Yu, Qiong Li, and Xiamu Niu

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**C12**

*Optimization Techniques and Applications (2)*

**Prof. Qiong Li, Harbin Institute of Technology, China**

**Prof. Tsong-Yi Chen, Kaohsiung University of Applied Sciences, Taiwan**

**C12-01, IHH MSP-2008-0209**

*A Method on Impedance Control of Robots Based on the Neural Network*

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**C12-02, IHH MSP-2008-0264**

*New Neural Network Based on Ant Colony Algorithm for Financial Data Forecasting*

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**C12-03, IHH MSP-2008-0272**

*The heuristic route algorithm of multiple restrictions based on Quality of Service*

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**C12-04, IHH MSP-2008-0492**

*An Optimized Approach on Reduced Kernel Matrix to ClusterSVM*

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**C12-05, IHH MSP-2008-0534**

*On Ant Colony Algorithm for Solving Continuous Optimization Problem*

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**C12-06, IHH MSP-2008-0705**

*Design Theory of Intellectualized Computer Aided Instruction and Its Applications*

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**C12-07, IHH MSP-2008-1236**

*Particle Swarm Optimization for Gary-Scale Image Noise Cancellation*

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**C12-08, IHH MSP-2008-1394**

*BP Neural Network to Distinguish Pregnant Woman by Arterial Pressure Pulse Waveform Analysis*

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**C13**

*Cross-discipline Techniques (2)*

**Prof. Yong Zhang, Harbin Institute of Technology, China**

**C13-01, IHH MSP-2008-0030**

*An Efficient USR Eliminating Mechanism on EPON*

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**C13-02, IHH MSP-2008-0215**

*Application Research of Secondary Development Technology for the Replacement of Furniture Part Based on Inventor API*

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**C13-03, IHH MSP-2008-0511**

*Research and Implementation on Middleware of Database Workload Autonomic Adaptation*

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**C13-04, IHH MSP-2008-0778**

*Trust Evaluation Model for Composite Service Based on Subjective Logic*

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**C13-05, IHH MSP-2008-0831**

*WBISD: A Debugger of Web-Based Interactive Services*

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**C13-06, IHH MSP-2008-0951**

*Research & Analysis of Bias Voltage on Variable-Capacitance Micro-mechanical Accelerometer*

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**C13-07, IHH MSP-2008-1429**

*The Research on Non-destructive Testing Method of Sheet Resistance in Micro Area of Silicon Wafer Based on EIT Technology*

Liu Xinfu, Liu Jinhe, Du Zhanping, Zhao Quanming, Zhao Junying, and Huang Yuhui

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**C13-08, IIH MSP-2008-1558**

*Research on Communication Constellation Simulation Based on Exploratory Analysis*

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**C14**

*Data Hiding and Steganography (2)*

**Prof. Yulong Qiao, Harbin Engineering University, China**

**C14-01, IHH MSP-2008-0180**

*A Statistical Attack on a Kind of Word-Shift Text-Steganography*

Lingjun Li, Liusheng Huang, Xinxin Zhao, Wei Yang, and Zhili Chen

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**C14-02, IHH MSP-2008-0572**

*Improvements of Image-Steganalysis using Boosted Combinatorial Classifiers and Guassian High Pass Filtering*

Nima Asadi, Mansour Jamzad, and Hedieh Sajedi

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**C14-03, IHH MSP-2008-0924**

*Implementation of Covert Communication based on Steganography*

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**C14-04, IHH MSP-2008-1120**

*Steganalysis of Data hiding for Two-dimensional Engineering Graphics Based on Characters Statistic*

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**C14-05, IHH MSP-2008-1157**

*New Steganography Scheme in Halftone Images*

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**C14-06, IHH MSP-2008-1347**

*A New Synonym Text Steganography*

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**C14-07, IHH MSP-2008-1359**

*Steganalysis of LSB Matching Based on Co-Occurrence Matrix and Removing Most Significant Bit Planes*

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**C15**

*Network Security (2)*

**Prof. Wei-Bin Lee, Feng Chia University, Taiwan**

**Prof. Shouda Jiang, Harbin Institute of Technology, China**

**C15-01, IHHMSP-2008-IS16-006**

*An Iris Cryptosystem for Information Security*

Xiangqian Wu, Ning Qi, Kuanquan Wang, and David Zhang

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**C15-02, IHHMSP-2008-IS16-007**

*An Efficient Proxy Signature Scheme for Realizing Generalized Proxy Signing Policy*

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**C15-03, IHHMSP-2008-IS16-008**

*An Efficient Non-repudiation Mechanism for SIP-based Services*

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**C15-04, IHHMSP-2008-IS16-009**

*Preserving PHI in Compliance with HIPAA Privacy/Security Regulations Using Cryptographic Techniques*

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**C15-05, IHH MSP-2008-0874**

*Programming Method for Failure of Network Security Based on Game Model*

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**C15-06, IHH MSP-2008-1171**

*A Grid Resource Discovery Model Using P2P Technology*

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**C15-07, IHH MSP-2008-1207**

*ASCON - A Synchronization -Concurrency Control Model for Distributed Multimedia Systems*

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**C15-08, IIH MSP-2008-1451**

*Communications Security Research on “Man-in-the-loop” Television Guidance System Data Link*

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