

# Conference Schedule

September 11, 2009

14:00  
|  
17:00

Registration  
**Lobby (6F)**

September 12, 2009

09:00  
|  
09:15  
09:15  
|  
10:15  
10:15  
|  
10:30

Opening  
**Conference room A (6F)**

Keynote Speech I  
**Conference room A (6F)**

Coffee Break

**In the front of Conference room A (6F)**

10:30  
|  
12:30

Session A01 :  
Multimedia  
Signal Processing  
for Intelligent  
Applications

Session Room A

Session A02 :  
Techniques and  
Algorithms for  
Multimedia  
Security

Session Room B

Session A03 :  
Visual Based  
Context Awareness  
Computin

Session Room C

Session A04 :  
Wired and  
Wireless  
Multimedia  
Networking and  
Applications

Session Room D

Session A05 :  
Intelligent  
Surveillance and  
Pattern  
Recognition

Session Room E

14:00  
|  
16:00

Session A06 :  
Multimedia in  
Ubiquitous  
Computing and  
Application  
Services(I)

Session Room A

Session A07 :  
Ubiquitous  
Multimedia  
Services and  
Applications for  
Residential Users(I)

Session Room B

Session A8 :  
Steganography and  
Watermarking

Session Room C

Session A09 :  
Advances in  
Biometrics(I)

Session Room D

Session A10 :  
Circuit  
Techniques for  
Multimedia  
Signal Processing

Session Room E

16:00  
|  
16:20

Coffee Break

**In the front of Conference room A (6F)**

16:20  
|  
18:20

Session A11 :  
Multimedia in  
Ubiquitous  
Computing and  
Application  
Services(II)

Session Room A

Session A12 :  
Ubiquitous  
Multimedia  
Services and  
Applications for  
Residential  
Users(II)

Session Room B

Session A13 :  
Advanced  
Multimedia  
Processing and  
Retrievals

Session Room C

Session A14 :  
Advances in  
Biometrics(II)

Session Room D

Session A15 :  
Recent  
Technologies and  
Applications of  
Audio Data  
Hiding

Session Room E

19:00  
|  
20:30

Reception  
**MIELPARQUE, Kyoto (7F)**

September 13, 2009

Keynote Speech II

**Conference room A (6F)**

09:00

10:00

10:00

10:20

Coffee Break

**In the front of Conference room A (6F)**

Session B01 :

Coding and  
Protocols in  
Security and  
Applications

Session Room A

Session B02 :

Intelligent Image  
and Signal  
Processing

Session Room B

Session B03 :

Intelligent  
Document  
Processing and  
Management  
Systems

Session Room C

Session B04 :

Protection and  
Authentication  
for Multimedia  
Information

Session Room D

Session B05 :

Behavior  
Analysis and  
Abnormal Event  
Detection

Session Room E

10:20

12:20

Session B06 :

Intelligent  
Watermarking  
Techniques,  
Image

Authentication  
and Visual  
Cryptography(I)

Session Room A

Session B07 :

Digital Archives  
and Digital  
Heritages(I)

Session Room B

Session B08 :

Human Information  
Processing and Its  
Applications

Session Room C

Session B09 :

Statistical Image  
Processing and  
Application

Session Room D

Session B10 :

Image Processing  
and VLSI  
Implementation

Session Room E

14:00

16:00

Coffee Break

**In the front of Conference room A (6F)**

Session B11 :

Intelligent  
Watermarking  
Techniques,  
Image

Authentication  
and Visual  
Cryptography(II)

Session Room A

Session B12 :

Digital Archives  
and Digital  
Heritages(II)

Session Room B

Session B13 :

Advanced  
Reversible Data  
Hiding and  
Steganalysis

Session Room C

Session B14 :

Intelligent Image  
Fusion and Its  
Application

Session Room D

Session B15 :

Application of  
Intelligent  
Computing to  
Signal and Image  
Processing

Session Room E

16:20

18:20

19:00

21:00

Banquet

**Genji Ballroom of Hotel Granvia Kyoto (3F)**

September 14, 2009

Keynote Speech III  
**Conference room A (6F)**

Coffee Break

**In the front of Conference room A (6F)**

09:00

10:00

10:00

10:20

10:20

12:20

14:00

16:00

16:00

16:20

16:20

18:20

Session D01 :  
Industry Trends in  
Information  
Hiding and  
Multimedia  
Signal Processing  
Session Room A

Session C01 :  
Advanced Data  
Hiding and Coding  
Techniques for  
Audio Signals  
Session Room B

Session C02 :  
Intelligent Video  
Processing  
Session Room C

Session C03 :  
Internet  
Multimedia  
Technology and  
Applications  
Session Room D

Session C04 :  
Advances in  
Multimedia Signal  
Processing and  
Communications  
Session Room B

Session C05 :  
Multimedia Signal  
Processing and  
Application  
Session Room C

Session C06 :  
Multi-Dimension  
al Signal  
Processing,  
Modeling and  
Visualization  
Session Room D

Coffee Break

**In the front of Conference room A (6F)**

Session C07:  
Multimedia Signal  
Processing for  
Plasma Diagnostics  
Session Room B

Session P01 :  
Poster Session (I)  
Session Room C

Session P02 :  
Poster Session  
(II)  
Session Room D

# Conference Program

## September 11, 2009

Registration----- 14:00-17:00

## September 12, 2009

Opening----- 09:00-09:15

Keynote Speech (I)----- 09:15-10:15

Coffee Break ----- 10:15-10:30

Session A01-A05 ----- 10:30-12:30

Session A06-A10 ----- 14:00-16:00

Coffee Break ----- 16:00-16:20

Session A11-A15 ----- 16:20-18:20

Reception ----- 19:00-20:30

## September 13, 2009

Keynote Speech (II)----- 09:00-10:00

Coffee Break ----- 10:00-10:20

Session B01-B05 ----- 10:20-12:20

Session B06-B10 ----- 14:00-16:00

Coffee Break ----- 16:00-16:20

Session B11-B15----- 16:20-18:20

Banquet ----- 19:00-21:00

## September 14, 2009

Keynote Speech (III)----- 09:00-10:00

Coffee Break ----- 10:00-10:20

Session D01 and Session C01-C03----- 10:20-12:20

Session C04-C06 ----- 14:00-16:00

Coffee Break ----- 16:00-16:20

Session C07 and Session P01 、 Session P02----- 16:20-18:20

# Session List

September 12, 10:30-12:30

Session A01: [Advanced Data Hiding and Coding Techniques for Audio Signals](#)

Session A02: [Techniques and Algorithms for Multimedia Security](#)

Session A03: [Visual Based Context Awareness Computin](#)

Session A04: [Wired and Wireless Multimedia Networking and Applications](#)

Session A05: [Intelligent Surveillance and Pattern Recognition](#)

September 12, 14:00-16:00

Session A06: [Multimedia in Ubiquitous Computing and Application Services\(I\)](#)

Session A07: [Ubiquitous Multimedia Services and Applications for Residential Users\(I\)](#)

Session A08: [Steganography and Watermarking](#)

Session A09: [Advances in Biometrics\(I\)](#)

Session A10 [Circuit Techniques for Multimedia Signal Processing](#)

September 12, 16:20-18:20

Session A11: [Multimedia in Ubiquitous Computing and Application Services\(II\)](#)

Session A12: [Ubiquitous Multimedia Services and Applications for Residential Users\(II\)](#)

Session A13: [Advanced Multimedia Processing and Retrievals](#)

Session A14: [Advances in Biometrics\(II\)](#)

Session A15: [Recent Technologies and Applications of Audio Data Hiding](#)

September 13, 10:20-12:20

Session B01: [Coding and Protocols in Security and Applications](#)

Session B02: [Intelligent Image and Signal Processing](#)

Session B03: [Intelligent Document Processing and Management Systems](#)

Session B04: [Protection and Authentication for Multimedia Information](#)

Session B05: [Behavior Analysis and Abnormal Event Detection](#)

September 13, 14:00-16:00

Session B06: [Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography\(I\)](#)

Session B07: [Digital Archives and Digital Heritages\(I\)](#)

Session B08: [Human Information Processing and Its Applications](#)

Session B09: [Statistical Image Processing and Application](#)

Session B10: [Image Processing and VLSI Implementation](#)

September 13, 16:20-18:20

Session B11: [Intelligent Watermarking Techniques, Image Authentication and Visual Cryptography\(II\)](#)

Session B12: [Digital Archives and Digital Heritages\(II\)](#)

Session B13: [Advanced Reversible Data Hiding and Steganalysis](#)

Session B14: [Intelligent Image Fusion and Its Application](#)

Session B15: [Application of Intelligent Computing to Signal and Image Processing](#)

September 13, 10:20-12:20

Session D01: [Industry Trends in Information Hiding and Multimedia Signal Processing](#)

Session C01: [Intelligent Video Processing](#)

Session C02: [Multimedia Signal Processing for Intelligent Applications](#)

Session C03: [Internet Multimedia Technology and Applications](#)

September 13, 14:00-16:00

Session C04: [Advances in Multimedia Signal Processing and Communications](#)

Session C05: [Multimedia Signal Processing and Application](#)

Session C06: [Multi-Dimensional Signal Processing, Modeling and Visualization](#)

September 13, 16:20-18:20

Session C07: [Multimedia Signal Processing for Plasma Diagnostics](#)

Session P01: [Poster Session \(I\)](#)

Session P02: [Poster Session \(II\)](#)

## **Session A01 : Multimedia Signal Processing for Intelligent**

### **Applications**

#### **Session Chairs:**

**Dr. Yuan-Kai Wang, Fu Jen University, Taiwan**

#### **A01-01 【IIH-MSP-2009-IS32-01】**

##### ***People Counting Using Multi-Mode Multi-Target Tracking Scheme***

Cheng-Chang Lien, Ya-Lin Huang, and Chin-Chuan Han

Chung Hua University, Taiwan, R.O.C.

#### **A01-02 【IIH-MSP-2009-IS32-02】**

##### ***Human Behavior Description Model Based on Action Recognition***

Fang-Hsuan Cheng and Cheng-Yuan Chang

Chung Hua University, Taiwan, R.O.C.

#### **A01-03 【IIH-MSP-2009-IS32-03】**

##### ***A New Feature Integration Approach and Its Application to 3D Model Retrieval***

Jau-Ling Shih, Chang-Hsing Lee, Chih-Hsun Chou, and Yu-Cheng Chang

Chung Hua University, Taiwan, R.O.C.

#### **A01-04 【IIH-MSP-2009-IS32-04】**

##### ***Modulation Spectral Analysis of Static and Transitional Information of Cepstral and Spectral Features for Music Genre Classification***

Chang-Hsing Lee, Hwai-San Lin, Chih-Hsun Chou, and Jau-Ling Shih

Chung Hua University, Taiwan, R.O.C.

#### **A01-05 【IIH-MSP-2009-IS32-05】**

##### ***Face Image Super-Resolution Using Two-dimensional Locality Preserving Projection***

Yuan-Kai Wang and Cai-Ren Huang

Fu Jen University, Taiwan, R.O.C.

#### **A01-06 【IIH-MSP-2009-233】**

##### ***Random Number Generator Designed by the Divergence of Scaling Functions*** Jengnan

Tzeng, I-Te Chen, and Jer-Min Tsai

National Chengchi University, Taiwan, R.O.C.

**A01-07 【IIH-MSP-2009-292】**

***A Provably Secure Two-Party Attribute-based Key Agreement Protocol***

Hao Wang, Qiuliang Xu, and Tao Ban

Shandong University, China.

**A01-08 【IIH-MSP-2009-317】**

***A Secure Steganography: Noisy Region Embedding***

Yifeng Lu, Xiaolong Li, and Bin Yang

Peking University, China.



## **Session A02 : Techniques and Algorithms for Multimedia Security**

### **Session Chairs:**

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

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

#### **A02-01 【IIH-MSP-2009-IS02-01】**

##### *Security Evaluation of Biometrics Authentications for Cellular Phones*

Hirokazu Manabe, Yuta Yamakawa, Tomohiro Sasamoto, and Ryoichi Sasaki  
Tokyo Denki University, Japan.

#### **A02-02 【IIH-MSP-2009-IS02-02】**

##### *Watermarking Cryptographic Data*

Maki Yoshida and Toru Fujiwara  
Osaka University, Japan.

#### **A02-03 【IIH-MSP-2009-IS02-04】**

##### *Evaluation of Audio Watermark System Using Short Detection Time Frame*

Takaaki Yamada, Yoshiyasu Takahashi, Ryu Ebisawa, Yoshinori Sato, and Seiichi Susaki  
Systems Development Laboratory, Hitachi, Ltd., Japan.

#### **A02-04 【IIH-MSP-2009-IS02-05】**

##### *Preventing False Positives in Content-Based Phishing Detection*

Shinta Nakayama, Hiroshi Yoshiura, and Isao Echizen  
The University of Electro-Communications, Japan.

#### **A02-05 【IIH-MSP-2009-IS02-06】**

##### *XPROB - A Generalized Pool-Based Anonymous Communication Framework*

Minh-Triet Tran, Anh-Duc Duong, and Isao Echizen  
University of Science, Vietnam.

#### **A02-06 【IIH-MSP-2009-IS02-07】**

##### *On Privacy-aware Delegation of Personal Data using Digital Watermarking*

Sven Wohlgemuth, Isao Echizen, Noboru Sonehara, and Giiunter Miiuller  
National Institute of Informatics, Japan.

#### **A02-07 【IIH-MSP-2009-IS02-08】**

*Web behind Web — A Steganographic Web Framework*

Hioki Hirohisa

Kyoto University, Japan.

**A02-08 【IIH-MSP-2009-776】**

*Half-Zone Quantization Based Algorithm for Information Hiding*

Ali Ameri Mahabadi and Mohammad Eshghi

Shahid Beheshti University, Iran.

## **Session A03 : Visual Based Context Awareness Computing**

### **Session Chairs:**

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

**Dr. Yu-Chih Huang, Tainan University of Technology, Taiwan**

#### **A03-01 【IIH-MSP-2009-IS04-01】**

*Image Watermarking Based on Multiple Objective Genetic Algorithm*

Jiann-Shu Lee, Fong-Ping Chuang, and Kuen-Horng Tsai

National University of Tainan, Taiwan, R.O.C.

#### **A03-02 【IIH-MSP-2009-IS04-02】**

*Feature Extraction for Face Recognition Based on Gabor Filters and Two-Dimensional Locality Preserving Projections*

Yi-Chun Lee and Chin-Hsing Chen

National Cheng Kung University, Taiwan, R.O.C.

#### **A03-03 【IIH-MSP-2009-IS04-03】**

*An Autonomous License Plate Detection Method*

Hsiao-Chen Kuo, Jiann-Shu Lee, and Sho-Tsung Kao

Far East University, Taiwan, R.O.C.

#### **A03-04 【IIH-MSP-2009-IS04-04】**

*Eye Tracking in Visible Environment*

Yung-Lung Kuo, Jiann-Shu Lee, and Sho-Tsung Kao

Far East University, Taiwan R.O.C.

#### **A03-05 【IIH-MSP-2009-IS04-06】**

*Aspect Ratio Waves for Gait Analysis*

Kuo-Wei Lin and Pau-Choo Chung

National Cheng Kung University, Taiwan, R.O.C.

#### **A03-06 【IIH-MSP-2009-614】**

*Adaptive Rate Control Scheme in Frame-layer for Real-time H.264*

Myoung-Jin Kim and Min-Cheol

Soongsil University, Korea.

#### **A03-07 【IIH-MSP-2009-429】**

***Robust Data Hiding on Texture Images***

Hirofumi Otori and Shigeru Kuriyama

Toyohashi University of Technology, Japan.

**A03-08 【IIH-MSP-2009-468】**

***An Adaptive Gradient-Projection Image Restoration using Local Statistics and Estimated Noise Characteristics***

Joo-Yeon Hwang and Min-Cheol Hong

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

### **Session Chairs:**

**Dr. Takuo Nakashima, Tokai University, Japan**

#### **A04-01 【IIH-MSP-2009-IS07-01】**

*A New Approach to the Dynamic Timeline of Animation Engine*

Ning-Ping Sun, Kentarou Okumura, and Wen-Ling Sun  
Kumamoto National College of Technology, Japan.

#### **A04-02 【IIH-MSP-2009-IS07-02】**

*An Alternative Algorithm of Triangulation of Polygons with Holes*

Ning-Ping Sun, Satoshi Tanaka, and Wen-Ling Sun  
Kumamoto National College of Technology, Japan.

#### **A04-03 【IIH-MSP-2009-IS07-03】**

*DoS/DDoS Detection Scheme using Statistical Method based on the Destination Port Number*

Shunsuke Oshima, Arata Hirakawa, Takuo Nakashima, and Toshinori Sueyoshi  
Kumamoto University, Japan.

#### **A04-04 【IIH-MSP-2009-227】**

*Random Number Generated from White Noise of Webcam*

Jer-Min Tsai, I-Te Chen, and Jen-Gnan Tzeng  
Kun Shan University, R.O.C.

#### **A04-05 【IIH-MSP-2009-273】**

*Quantization Parameter Decision of Initial and Scene Change Frame in Real-Time H.264/AVC*

Szu-Hong Wang and Shih-Chang Hsia  
National Kaohsiung First University of Science and Technology, Taiwan, R.O.C

#### **A04-06 【IIH-MSP-2009-344】**

*An Observer-based Method for Secure Communication*

Long-Chang Chen, Tsair-Fwu Lee, Pei-Ju Chao, and Wen-Cheng Chen  
National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan, R.O.C.

**A04-07 【IIH-MSP-2009-389】**

*Performance Study of Asymmetric Traffic Load for OBS Ring Networks*

Shih-Wei Kau, Wei-Ting Lu, Wen-Ping Chen, Tsair-Fwu Lee, and Cheng-Nan Tsai

National Kaohsiung University of Applied Science, R.O.C.

## **Session A05 : Intelligent Surveillance and Pattern Recognition**

### **Session Chairs:**

**Dr. Tai-Ning Yang, Chinese culture University, Taiwan**

**Dr. Jimmy Tsai, Chinese culture University, Taiwan**

#### **A05-01 【IIH-MSP-2009-IS08-01】**

*Applications of Ontology in Management of Information Asset*

Shing-Han Li and Kuo-Chung Wang

Tatung University, Taiwan, R.O.C.

#### **A05-02 【IIH-MSP-2009-IS08-03】**

*High Dynamic Range Color Image Rendering with Human Visual Adaptation Simulation*

Ping-Lin Fan, Shih-Ying Chen, Su-Ju Lu, Hsueh-Wu Wang, Joey Lin, Wei-Hsien Wu, and Yuan-Fan Tsai

National Taipei University of Education, Taiwan, R.O.C.

#### **A05-03 【IIH-MSP-2009-IS08-04】**

*The design of remote Surveillance System for Digital Family*

Chung-Hsin Liu and Chih-Chieh Fan

Chinese Culture University, Taiwan, R.O.C.

#### **A05-04 【IIH-MSP-2009-IS08-05】**

*To Build Tele-care System Network Environment*

Chung-Hsin Liu, Jiun-Ting Chen, Chung-Min Wu, and Chuen-Lung Chen

Chinese Culture University, Taiwan, R.O.C.

#### **A05-05 【IIH-MSP-2009-IS08-06】**

*Traffic Warning and Vehicular Homogeneity Measurement Based on Multidimensional HMM Algorithm*

Chang-Lung Tsai and Wei-Lieh Hsu

Chinese Culture University, Taiwan, R.O.C.

#### **A05-06 【IIH-MSP-2009-IS08-07】**

*Singular Point Detection in Fingerprint Images by a Bank of Discrete Fourier Filters*

Chih-Jen Lee, I-Horng Jeng, Tai-Ning Yang, Chun-Jung Chen, and Peng Su

Chinese Culture University, Taiwan, R.O.C.

**A05-07 【IIH-MSP-2009-IS08-08】**

*Build a Home Security Surveillance System Using LEGO MINDSTROMS NXT*

Kuo-Kai Hsu and Dwen-Ren Tsai

Chinese Culture University, Taiwan, R.O.C.

**A05-08 【IIH-MSP-2009-IS08-09】**

*Touch-sensitive Alphanumeric Encrypting PIN Pad Design Based on Hamilton-connected Subgraph Recognition*

I-Horng Jeng, Dwen-Ren Tsai, Hou-An Chen, Yi-Chun Yen, and Chien-Kang Cheng

Culture University, Taiwan, R.O.C.



## **Session A06 : Multimedia in Ubiquitous Computing and Application**

### **Services(I)**

#### **Session Chairs:**

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

#### **A06-01 【IIH-MSP-2009-IS10-01】**

*Comments on Gateway-Oriented Password-Based Authenticated Key Exchange Protocol*

Tzong-Chen Wu and Hung-Yu Chien

National Taiwan University of Science and Technology, Taiwan, R.O.C.

#### **A06-02 【IIH-MSP-2009-IS10-02】**

*Meaningful Inner Link Objects for Automatic Text Categorization*

Jau-Ji Shen and Jia-Chiuan Wu

National Chung Hsing University, Taiwan, R.O.C.

#### **A06-03 【IIH-MSP-2009-IS10-03】**

*Identity-based DRM in Ubiquitous Multimedia System*

Chou-Chen Yang, Ju-Chun Hsiao, and Hung-Wen Yang

National Chung Hsing University, Taiwan, R.O.C.

#### **A06-04 【IIH-MSP-2009-IS10-04】**

*A Novel Mutual Authentication Based on Data Embedding Technique*

Chia-Chen Lin and Po-Hsuan Chiang

Providence University, Taiwan, R.O.C.

#### **A06-05 【IIH-MSP-2009-IS10-05】**

*Embedding Secret Messages Using Modified Huffman Coding*

Kuo-Nan Chen, Chin-Feng Lee, Chin-Chen Chang, and Huang-Ching Lin

National Chung Cheng University, Taiwan, R.O.C.

#### **A06-06 【IIH-MSP-2009-564】**

*A Fast and Novel Intra and Inter Modes Decision Prediction Algorithm for H.264/AVC Based on the Characteristics of Macro-block*

Pengyu Liu and Kebin Jia

Beijing University of Technology, China.

**A06-07 【IIH-MSP-2009-119】**

*Study of Thangka Image Retrieval and Multimedia Presentation Management System*

Weilan Wang

Northwest University, China.

**A06-08 【IIH-MSP-2009-415】**

*An Image Processing Based Visual Compensation System for Vision Defects*

Chin-Lun Lai and Shu-Wen Chang

Oriental Institute of Technology, Taiwan, R.O.C.

## **Session A07 : Ubiquitous Multimedia Services and Applications for**

### **Residential Users(I)**

#### **Session Chairs:**

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

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

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

#### **A07-01 【IIH-MSP-2009-IS27-01】**

*Forecasting Exchange Rates by Genetic Algorithms Based Back Propagation Network Model*

Jui-Fang Chang, Chi-Ming Kuan, and Yu-Wen Lin

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

#### **A07-02 【IIH-MSP-2009-IS27-02】**

*A Study on the Cache Miss Rate in a Genetic Algorithm Implementation*

Feng-Cheng Chang and Hsiang-Cheh Huang

Tamkang University, Taiwan, R.O.C.

#### **A07-03 【IIH-MSP-2009-IS27-05】**

*Two-phase Fuzzy-ART with Independent Component Analysis for Semantic Image Classification*

Chuan-Yu Chang, Ru-Hao Jian, and Hung-Jen Wang

National Yunlin University of Science & Technology, Taiwan, R.O.C.

#### **A07-04 【IIH-MSP-2009-IS27-06】**

*Using ZigBee and Room-Based Location Technology to Constructing an Indoor Location-Based Service Platform*

Yuh-Ming Cheng

Shu Te University, Taiwan, R.O.C.

#### **A07-05 【IIH-MSP-2009-IS27-08】**

*Text Steganography Based on Online Chat*

Min-Hao Liu, Yun-Biao Guo, and Lin-Na Zhou

Beijing Application Institute of Electronic Technology, China

**A07-06 【IIH-MSP-2009-IS27-09】**

*Perceptual Content Authentication and Tamper Detection of Facial Image*

Qi Han, Qiong Li, and Xia-Mu Niu

Harbin Institute of Technology, China

**A07-07 【IIH-MSP-2009-104】**

*Fast Channel Change IPTV System for Enhanced User Experience*

Young-Ho Song and Taek-Geun Kwon

SIT Group, R&D Center NDS KR, Korea.

**A07-08 【IIH-MSP-2009-610】**

*Mental Rotation by Neural Network*

Toshihiko Sasama, Hiroshi Mitsumoto, Kazuyo Yoneda, and Shinichi Tamura

Tottori University, Japan.

## **Session A08 : Steganography and Watermarking**

### **Session Chairs:**

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

**Dr. Lih-Chyau Wu, National Yunlin University of Science and Technology, Taiwan**

#### **A08-01 【IIH-MSP-2009-IS05-01】**

*A Semi-fragile Reversible Data Hiding by Coefficient-Bias Algorithm*

Ching-Yu Yang, Wu-Chih Hu, Po-Yen Chang, and Chang-Min Hwang  
National Penghu University, Taiwan, R.O.C.

#### **A08-02 【IIH-MSP-2009-IS05-02】**

*3D Triangular Mesh Watermarking for Copyright Protection Using Moment-Preserving*

Chen-Tsung Kuo, Da-Chun Wu, and Shyi-Chyi Cheng  
National Kaohsiung First University of Science and Technology, Taiwan, R.O.C.

#### **A08-03 【IIH-MSP-2009-421】**

*Color Image Watermarking Scheme Based on Support Vector Regression*

Xiuli Lv, Hongyu Bian, Bo Yu, and Xinghui Quan  
Harbin Engineering University, China.

#### **A08-04 【IIH-MSP-2009-517】**

*Digital Watermarking Method for Printed Materials Embedding in Hue Component*

Yuta Goto and Osamu Uchida  
Engineering Tokai University Hiratsuka, Japan.

#### **A08-05 【IIH-MSP-2009-236】**

*Employing Optimal Matrix for Efficient Matrix Embedding*

Yunkai Gao, Xiaolong Li, and Bin Yang  
Peking University, China.

#### **A08-06 【IIH-MSP-2009-66】**

*Optimizing Constrained Mixed-Integer Nonlinear Programming Problems Using Nature Selection*

Rong-Song He  
Wu-Feng Institute of Technology, Taiwan, R.O.C.

**A08-07 【IIH-MSP-2009-401】**

*A Novel Secure RFID System to Ensure Privacy*

Cagatay Karabat

National Research Institute of Electronics and Cryptology, Europe.

**A08-08 【IIH-MSP-2009-464】**

*Target Tracking in Clusters of Sensor Networks via Handoff Scheme with Extended Kalman filter*

Luke K. Wang, Shan-Chin Hsieh, Kou-Yuan Huang, and Chien-Chang Wu

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

## **Session A09 : Advances in Biometrics(I)**

### **Session Chairs:**

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

**Dr. Stephen D. Wolthusen, Gjøvik University College, Norway**

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

**Dr. Xuebing Zhou, Fraunhofer Institute IGD, Germany**

### **A09-01 【IIH-MSP-2009-IS33-01】**

#### ***Experiments with Optical Liveness Testing Method***

Martin Drahanský and Dana Lodrová

Brno University of Technology, Czech Republic.

### **A09-02 【IIH-MSP-2009-IS33-02】**

#### ***Template Protection via Piecewise Hashing***

Claudia Nickel, Christoph Busch, and Xuebing Zhou

Hochschule Darmstadt, Germany.

### **A09-03 【IIH-MSP-2009-IS33-03】**

#### ***Feature Correlation Attack on Biometric Privacy Protection Schemes***

Xuebing Zhou, Stephen D. Wolthusen, Christoph Busch, and Arjan Kuijper

Fraunhofer Institute for Computer Graphics Research IGD, Germany.

### **A09-04 【IIH-MSP-2009-IS33-04】**

#### ***The Altinn Case Study : Proposal for a Large-Scale Public-Key Biometric Infrastructure***

Bendik B. Mjåaland, Danilo Gligoroski, and Svein J. Knapskog

Norwegian University of Science and Technology (NTNU), Norway.

### **A09-05 【IIH-MSP-2009-IS33-05】**

#### ***A Login System Using Mouse Dynamics***

Patrick Bours and Christopher Johnsrud Fullu

Gjøvik University, Norway.

### **A09-06 【IIH-MSP-2009-320】**

#### ***A Video Retrieval Algorithm Based on Spatio-temporal Feature Curves and Key Frames***

Xiuxin Chen, Kebin Jia, and Zhipin Deng  
Beijing University of Technology, China.

**A09-07 【IIH-MSP-2009-405】**

*A Cancelable Biometric Hashing For Secure Biometric Verification System*

Cagatay Karabat and Hakan Erdogan.

National Research Institute of Electronics and Cryptology, Europe.

**A09-08 【IIH-MSP-2009-433】**

*Blind Clustering of Music Recordings Based on Audio Fingerprinting*

Wei-Ho Tsai and Wei-Che Hsieh

National Taipei University of Technology, Taiwan, R.O.C.



## **Session A10 : Circuit Techniques for Multimedia Signal**

### **Processing**

#### **Session Chairs:**

**Dr. Roger Yubtzuan Chen, Yunlin University of Science & Technology, Taiwan**

**Dr. Ming-Hwa Sheu, Yunlin University of Science & Technology, Taiwan**

#### **A10-01 【IIH-MSP-2009-IS12-01】**

*Image Object Detection and Tracking Implementation for Outdoor Scenes on an Embedded Soc Platform*

Wen-kai Tsai, Ming-hwa Sheu, Ching-lung Su, Jun-jie Lin, and Shau-Yin Tseng  
National Yunlin University of Science & Technology, Taiwan, R.O.C.

#### **A10-02 【IIH-MSP-2009-IS12-02】**

*Implementation and ESL Verification of New Earliest-Deadline-First Scheduler for Video Streaming over Wireless Networks*

Chao-Lieh Chen and Chien-Hao Lai  
National Kaohsiung First University of Science and Technology, Taiwan, R.O.C.

#### **A10-03 【IIH-MSP-2009-IS12-03】**

*An Implementation of Frame Rate Control for Reducing Flicker in CSTN Panel*

Ya-Hsin Hsueh, and Wei-Da Chen  
National Yunlin University of Science and Technology, Taiwan, R.O.C

#### **A10-04 【IIH-MSP-2009-IS12-04】**

*A Novel Vehicle Brake Light System*

Yang-Chiuan Lin, Hung-Yu Wang, and Wei-Jeng Cheng  
National Kaohsiung University of Applied Science, Taiwan, R.O.C.

#### **A10-05 【IIH-MSP-2009-IS12-05】**

*A CMOS Variable-gain Fully-differential Transimpedance Amplifier for Multimedia Data Links*

Roger Yubtzuan Chen and Ming-Jen Chang  
National Yunlin University of Science and Technology, Taiwan, R.O.C.

**A10-06 【IIH-MSP-2009-IS12-06】**

*System Performance Analyses on PAC Duo ESL Virtual Platform*

Zhe-Mao Hsu, I-Yao Chuang, Wen-Chien Su, Jen-Chieh Yeh, Jen-Kuei Yang, and  
Shau-Yin Tseng

SoC Technology Center Industrial Technology Research Institute, Taiwan, R.O.C.

**A10-07 【IIH-MSP-2009-556】**

*Association and Abstraction on Neural Circuit Loop and Coding*

Shinichi Tamura, Yuko Mizuno-Matsumoto, Yen-Wei Chen, and Kazuki Nakamura  
International Technovators Institute, NBL Co., Ltd , Japan.

## **Session A11 : Multimedia in Ubiquitous Computing and**

### **Application Services(II)**

#### **Session Chairs:**

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

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

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

#### **A11-01 【IIH-MSP-2009-IS10-06】**

*A Fast Image Retrieval Method Using Multi-Feature Dimension Technique*

Kuo Lung Hung and Yih Cheng Tsay

Chaoyang University of Technology, Taiwan, R.O.C.

#### **A11-02 【IIH-MSP-2009-IS10-07】**

*Secret Sharing Method for Gray-level Images*

Hao-Kuan Tso, Der-Chyuan Lou, Dah-Lih Jeng, and Chao-Lung Chou

Army Academy, Taiwan, R.O.C.

#### **A11-03 【IIH-MSP-2009-IS10-08】**

*A Novel Retinal Blood Vessel Segmentation Method Based on Line Operator and Edge Detector*

Chin-Chen Chan, Chia-Chen Lin, Pei-Yan Pai, and Yen-Chang Chen

DFeng Chia University, Taiwan, R.O.C.

#### **A11-04 【IIH-MSP-2009-IS10-09】**

*Mining Sequential Patterns for Image Classification in Ubiquitous Multimedia Systems*

Ming-Yen Lin, Sue-Chen Hsueh, Ming-Hong Chen, and Hong-Yang Hsu

Feng Chia University, Taiwan, R.O.C.

#### **A11-05 【IIH-MSP-2009-323】**

*Salt-and-Pepper Noise Elimination by PI-Remover and Modified AMF Noise Detectors*

Li-Chun Liao, Shin-Jung Gu, and Bin-Chyi Tseng

Chaoyang University of Technology, Taiwan, R.O.C.

**A11-06 【IIH-MSP-2009-644】**

*H.264/AVC-Based Depth Map Sequence Coding Using Improved Loop-filter*

Siwei Ma and Nan Zhang

School of Biomedical Engineering Capital Medical University Beijing, China

**A11-07 【IIH-MSP-2009-828】**

*Shape-Based Depth Map Coding*

Nan Zhang, Siwei Ma, and Wen Gao

School of Electronics and Computer Science Peking University Beijing, China

**A11-08 【IIH-MSP-2009-IS19-02】**

*A Comparison between Windows Mobile and Symbian S60 Embedded Forensics*

Antonio Savoldi, Paolo Gubian, and Isao Echizen

University of Brescia, Italy.

## **Session A12 : Ubiquitous Multimedia Services and Applications for Residential Users(II)**

### **Session Chairs:**

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

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

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

#### **A12-01 【IIH-MSP-2009-IS27-10】**

*An Adaptive Approach Based on Genetic Algorithm to Information Hiding for Halftone Images*

Yi-Ting Chen, Shu-Chuan Chu, Mong-Fong Horng, and Jeng-Shyang Pan  
Kaohsiung University of Applied Science, Taiwan, R.O.C.

#### **A12-02 【IIH-MSP-2009-IS27-13】**

*Interactive Voice-Controller Applied to Home Automation*

Jinn-Kwei Guo, Chun-Lin Lu, Ju-Yun Chang, Yi-Jing Li, Ya-Chi Huang, Fu-Jiun Lu, and Ching-Wen Hsu  
Kun Shan University, Taiwan.

#### **A12-03 【IIH-MSP-2009-IS27-14】**

*Complex Wavelet-based Face Recognition Using Independent Component Analysis*

Zhi Chai, Kai-Kuang Ma, and Zhengguang Liu  
Tianjin University, China.

#### **A12-04 【IIH-MSP-2009-IS27-15】**

*Similarity-Based Watermarking for Sub-Sampling Images with Bacterial Foraging Techniques*

Hsiang-Cheh Huang and Feng-Cheng Chang  
National University of Kaohsiung, Kaohsiung, Taiwan, R.O.C.

#### **A12-05 【IIH-MSP-2009-IS27-17】**

*Adaptive Multicast Routing Protocol for Wireless Mobile Ad Hoc Networks*

Wei Kuang Lai, Mu-Lung Weng, Chien-Hua Lin, and Chin-Shiuh Shieh

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

**A12-06 【IIH-MSP-2009-623】**

*An Efficient Architecture for Deblocking Filter in H.264/AVC*

He Jinm, Huang Yan, and Xu Xinyu

University of China, China.

**A12-07 【IIH-MSP-2009-790】**

*A 13.75 ns Holographic Reconfiguration of an Optically Differential Reconfigurable Gate Array*

Mao Nakajima and Minoru Watanabe

Electrical and Electronic Engineering Shizuoka University, Japan.

## **Session A13 : Advanced Multimedia Processing and Retrievals**

### **Session Chairs:**

**Dr. Hiromitsu Hama, Osaka City University, Japan**

**Dr. Takashi Toriu, Osaka City University, Japan**

#### **A13-01 【IIH-MSP-2009-IS06-01】**

*An Attention Focusing Tree based on Saliency and a Display Method for Small Displays*

Kenji Nakamura, Takashi Toriu, Shigeyoshi Nakajima, and Hiromitsu Hama  
Osaka City University, Japan.

#### **A13-02 【IIH-MSP-2009-IS06-02】**

*Collision Detection of 4-legged Robots Using Acceleration Sensors*

Shigeyoshi Nakajima, Kana Sugimoto, and Takashi Toriu  
Osaka City University, Japan.

#### **A13-03 【IIH-MSP-2009-IS06-03】**

*Three-dimensional Circular Camera System for the Three-dimensional Display Based on the Reconstruction of Parallax Rays*

Shuhe Miyatake, Hideya Takahashi, and Kenji Yamada  
Osaka City University, Japan.

#### **A13-04 【IIH-MSP-2009-IS06-04】**

*Detection of Tire-Road Contact Point for Vehicle Position Estimate Considering Shape Distortion in a Circular Fisheye Image*

Kenichi Hirose, Takashi Toriu, and Hiromitsu Hama  
College of Industrial Technology, Japan.

#### **A13-05 【IIH-MSP-2009-IS06-05】**

*Optimal Crawling Strategies for Multimedia Search Engines*

Hiromitsu Hama, Thi Thi Zin, and Pyke Tin  
Osaka City University, Japan.

#### **A13-06 【IIH-MSP-2009-IS06-06】**

*Dominant Color Embedded Markov Chain Model for Object Image Retrieval*

Thi Thi Zin, Pyke Tin, Takashi Toriu, and Hiromitsu Hama  
Osaka City University, Japan.

**A13-07 【IIH-MSP-2009-461】**

***Mobile Sensor for Target Tracking via Modified Particle Filter***

Luke K. Wang, Shan-Chin Hsieh, Kou-Yuan Huang, and Wen-Cheng Chen  
National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

**A13-08 【IIH-MSP-2009-480】**

***A Region of Interest Rate-Control Scheme for Encoding Traffic Surveillance Videos***

Ching-Yu Wu and Po-Chyi Su  
National Central University, Taiwan, R.O.C.



## **Session A14 : Advances in Biometrics(II)**

### **Session Chairs:**

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

**Dr. Stephen D. Wolthusen, Gjøvik University College, Norway**

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

**Dr. Xuebing Zhou, Fraunhofer Institute IGD, Germany**

### **A14-01 【IIH-MSP-2009-IS33-06】**

*Why Vein Recognition Needs Privacy Protection*

Daniel Hartung and Christoph Busch

Gjøvik University College, Norwegian Information Security Laboratory (NISlab)

### **A14-02 【IIH-MSP-2009-IS33-07】**

*An Approach to Biometric Identity Management Using Low-Cost Equipment*

Robert Mueller and Raul Sanchez-Reillo

Giesecke & Devrient GmbH Prinzregentenstr., Germany.

### **A14-03 【IIH-MSP-2009-IS33-08】**

*Template Protection for Multimodal Biometric System*

Zhifang Wang, Qi Han, Xiamu Niu, and Christoph Busch

Harbin Institute of Technology, China

### **A14-04 【IIH-MSP-2009-IS33-09】**

*Non-Forensic Odontological Biometrics*

Stephen D. Wolthusen and Christoph Busch

Gjøvik University College N-2818 Gjøvik, Norway.

### **A14-05 【IIH-MSP-2009-484】**

*Mean Best Basis Algorithm for Wavelet Speech Parameterization*

Jakub Galka and Mariusz Ziólko

AGH University of Science and Technology, Poland.

### **A14-06 【IIH-MSP-2009-499】**

*A Steganalysis Algorithm Based on Denoising of Source Image Using ICA and SVM*

Javad RavanJamjah, Soodeh Bakhshandeh, and Bahram ZahirAzami

University of Kurdistan, Iran.

**A14-07 【IIH-MSP-2009-752】**

*An Investigation of Genetic Algorithm on Steganalysis Techniques*

Xiao Yi Yu and Aiming Wang

Anyang Normal University, China.

**A14-08 【IIH-MSP-2009-843】**

*The Effects of Ambient Sounds on the Quality of 3D Virtual Sound Space*

Satoshi Yairi, Yukio Iwaya, Maori Kobayashi, Makoto Otani, Yôiti Suzuki, and

Takeru Chiba

Tohoku University, Japan.

## **Session A15 : Recent Technologies and Applications of**

### **Audio Data Hiding**

#### **Session Chairs:**

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

**Dr. Naofumi Aoki, Hokkaido University, Japan**

#### **A15-01 【IIH-MSP-2009-IS17-02】**

*Data Hiding in Pitch Delay Data of the Adaptive Multi-Rate Narrow-band Speech Codec*

Akira Nishimura

Tokyo University of Information Sciences, Japan.

#### **A15-02 【IIH-MSP-2009-IS17-03】**

*Improvement of a Band Extension Technique for G.711 Telephony Speech by Using Steganography*

Naofumi Aoki

Hokkaido University, Japan.

#### **A15-03 【IIH-MSP-2009-IS17-04】**

*A Band Extension of G.711 Speech with Low Computational Cost for Data Hiding Application*

Akinori Ito, Hironori Handa, and Yôiti Suzuki

Tohoku University, Japan.

#### **A15-04 【IIH-MSP-2009-IS17-05】**

*Data Hiding is a Better Way for Transmitting Side Information for MP3 Bitstream*

Akinori Ito and Shozo Makino

Tohoku University, Japan.

#### **A15-05 【IIH-MSP-2009-IS17-06】**

*Spatial and Temporal Position Information Delivery to Mobile Terminals Using Audio Watermarking Techniques*

Toshio Modegi

Media Technology Research Center, Dai Nippon Printing Co., Ltd., Japan.

**A15-06 【IIH-MSP-2009-45】**

*Chinese Name Speech Classification Using Fisher Score Based on Continuous Density Hidden Markov Models*

Yi Gao, John Han, Lei Lin, Congde Lu, and Qin Yang

DSP Team, Motorola (China) Electronics Ltd. Chengdu 2nd Branch, China

**A15-07 【IIH-MSP-2009-489】**

*Personal Photo Organizer based on Automated Annotation Framework*

Kai-En Tsay, Yi-Leh Wu, Maw-Kae Hor, and Cheng-Yuan Tang

National Taiwan University of Science and Technology, Taiwan, R.O.C.

**A15-08 【IIH-MSP-2009-526】**

*Volume Image Segmentaton by Dual Multi-Scale Morphological Reconstructions*

Jiann-Jone Chen and Chun-Rong Su

National Taiwan University of Science and Technology, Taiwan, R.O.C.

## **Session B01 : Coding and Protocols in Security and Applications**

### **Session Chairs:**

**Dr. Shiu-Jeng Wang, Central Police University, Taiwan**

#### **B01-01 【IIH-MSP-2009-IS28-01】**

*Fast Deployment of Botnet Detection with Traffic Monitoring*

Chung-Huang Yang and Kuang-Li Ting

Nation Kaohsiung Normal University, Taiwan, R.O.C.

#### **B01-02 【IIH-MSP-2009-IS28-02】**

*Adaptation of Agent-based Non-Repudiation Protocol to Mobile DRM*

Chung-Ming Ou and C.R. Ou

Kainan University, Taiwan, R.O.C.

#### **B01-03 【IIH-MSP-2009-IS28-03】**

*A Hybrid RFID Protocol against Tracking Attacks*

Jen-Chun Chang and Hsin-Lung Wu

National Taipei University, Taiwan, R.O.C.

#### **B01-04 【IIH-MSP-2009-IS28-04】**

*User Friendly Digital Rights Management System Based on Smart Cards*

Narn-Yih Lee and Tzu-Yi Lee

Southern Taiwan University Tainan County, Taiwan, R.O.C.

#### **B01-05 【IIH-MSP-2009-IS28-05】**

*TLMS: A Novel DRM Scheme for Multimedia Sharing in P2P Networks*

Wei-Chen Wu and Yi-Ming Chen

National Central University, Taiwan, R.O.C.

#### **B01-06 【IIH-MSP-2009-IS28-06】**

*Medical Video Encryption Based on H.264/AVC with Near-Lossless Compression*

Tzung-Her Chen, Yan-Ting Wu, and Yue-Rong Lin

National Chiayi University, Taiwan, R.O.C.

#### **B01-07 【IIH-MSP-2009-IS28-07】**

*Determinants of Satisfaction and Intention of Use Self-service Technology –  
Technology Readiness and Computer Self-efficacy*

Chien-Lung Chan and Chia-Li Lin  
Yuan Ze University, Taiwan, R.O.C.

**B01-08 【IIH-MSP-2009-IS28-08】**

*Novel Efficient Electronic Voting Mechanism Based upon Elliptic Curve*

Yu-Wei Lai, Chin-Chen Chang, and Shih-Chang Chang  
National Chung Cheng University, Taiwan, R.O.C.

**B01-09 【IIH-MSP-2009-IS28-09】**

*Cryptanalysis and Improvement of a Secure Authentication Scheme with  
Anonymity for Wireless Communications*

Chin-Chen Chan , Chia-Yin Lee, and Wei-Bin Lee  
Feng Chia University, Taiwan, R.O.C.

## **Session B02 : Intelligent Image and Signal Processing**

### **Session Chairs:**

**Dr. Wen-Yuan Chen, Chin-Yi University of Technology, Taiwan**

#### **B02-01 【IIH-MSP-2009-IS18-01】**

*Extension Neural Network Approach to Classification of Brain MRI*

Chuin-Mu Wang, Ming-Ju Wu, Jian-Hong Chen, Cheng-Yi Yu

National Chin-Yi Institute of Technology, Taiwan, R.O.C

#### **B02-02 【IIH-MSP-2009-IS18-02】**

*Applying Visual Image and Satellite Positioning for Fast Vehicle Detection and Lane Marking Recognition*

Bao Rong Chang and Hsiu Fen Tsai

National University of Kaohsiung, Taiwan, R.O.C.

#### **B02-03 【IIH-MSP-2009-IS18-03】**

*Image Hidden Technique Using QR-Barcode*

Chin-Ho Chung, Wen-Yuan Chen, Ching-Ming Tu

Ta Hwa Institute of Technology, Taiwan, R.O.C.

#### **B02-04 【IIH-MSP-2009-IS18-04】**

*Design of a System with a Multielement Thermopile for Monitoring the Temperature of Indoor Objects*

Lung-Tsai Li, Chin-Fu Tsai, and Ming-Shing Young

National Chen-Kung University, Taiwan, R.O.C.

#### **B02-05 【IIH-MSP-2009-IS18-05】**

*Implementation of Thermistor Linearization Using LabVIEW*

Chin-Fu Tsai, Lung-Tsai Li, Chin-Hao Li, and Ming-Shing Young

National Chin-Yi University of Technology, Taiwan, R.O.C

#### **B02-06 【IIH-MSP-2009-IS18-06】**

*Design High-Performance and Low-Power Adder Cores with Full-Swing Nodes for Embedded Systems*

Ching -Hwa Cheng, Chiou-Kou Tung, Shao-Hui Shieh, and Yu-Cherng Hung

Feng Chia University, Taiwan, R.O.C.

**B02-07 【IIH-MSP-2009-IS18-07】**

*High-Speed CMOS Chip Design for Manchester and Miller Encoder*

Yu-Cherng Hung, Min-Ming Kuo, Chiou-Kou Tung, and Shao-Hui Shieh  
National Chinyi University of Technology, Taiwan, R.O.C.

**B02-08 【IIH-MSP-2009-241】**

*A New Contrast Enhancement Technique Implemented on FPGA for Real Time  
Image Processing*

Ching-Hsi Lu, Hong-Yang Hsu, and Lei Wang  
Feng Chia University, Taiwan, R.O.C.



**Session B03 : Intelligent Document Processing and  
Management Systems**

**Session Chairs:**

**Dr. Jiann-Gwo Doong, China University of Technology, Taiwan**

**B03-01 【IIH-MSP-2009-IS20-01】**

*Adapting e-TOM Model to Improve Multimedia Network Management – A Case Study with a Taiwan Multimedia Service Provider*

Dominic Wong

Fo Guang University, Taiwan, R.O.C

**B03-02 【IIH-MSP-2009-IS20-02】**

*A Fast Text-based Communication System for Handicapped Aphasiacs*

Yu-Fen Fu, and Cheng-Seen Ho

National Taiwan University of Science and Technology, Taiwan, R.O.C.

**B03-03 【IIH-MSP-2009-IS20-03】**

*Document Filing Approaches Using an Internal Based Folder Organization*

Jiann-Gwo Doong,

China University of Technology, Taiwan, R.O.C.

**B03-04 【IIH-MSP-2009-111】**

*Fast Algorithm for Decoding the Binary (23, 12, 7) Quadratic Residue Code*

Hung-Peng Lee and Kunta Hsiesh

Institute of Technology, Taiwan, R.O.C.

**B03-05 【IIH-MSP-2009-266】**

*Identity Authentication in RFID Based Logistics-Customs Clearance Service Platform*

Huifang Deng and Wen Deng

South China University of Technology, China.

**B03-06 【IIH-MSP-2009-411】**

*A Multilingual Patent Text-Mining Approach for Computing Relatedness Evaluation of Patent Documents*

Chung-Hong Lee, Hsin-Chang Yang, Chih-Hong Wu, and Yi-Ju Li

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

**B03-07 【IIH-MSP-2009-600】**

*Exploring AUC Boosting Approach in Multimodal Biometrics Score Level Fusion*

Mehdi Parviz and M. Shahram Moin

Iran Telecommunication Research Center, Iran.

**B03-08 【IIH-MSP-2009-552】**

*Orthogonal functional expansion method of optical flow for large displacement*

Jinwoo Kim, Robert Close, Hisashi Taketani, Rong-Long Wang, Kozo Okazaki, and  
Shinichi Tamura

Fukui University, Japan.

## **Session B04 : Protection and Authentication for Multimedia**

### **Information**

#### **Session Chairs:**

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

**Dr. Yu-Chiang Li, Southern Taiwan University, Taiwan**

#### **B04-01 【IIH-MSP-2009-IS21-01】**

##### *Palette Partition Based Data Hiding for Color Images*

Yu-Chiang Li, Piyu Tsai, Chih-Hung Lin, Hsiu-Lien Yeh, and Chien-Ting Huang  
Southern Taiwan University, Taiwan, R.O.C

#### **B04-02 【IIH-MSP-2009-IS21-02】**

##### *A Simple and Efficient Data Hiding Scheme Suitable for Low Power Computation Environments*

Chin-Chen Chang, Yung-Chen Chou, and Ming-Huang Hsieh  
Feng Chia University Taichung, Taiwan, R.O.C.

#### **B04-03 【IIH-MSP-2009-IS21-03】**

##### *A New Approach to Image Authentication Using Chaotic Map and Sudoku Puzzle*

Wen-Chuan Wu and Guang-Ruei Ren  
Aletheia University, R.O.C.

#### **B04-04 【IIH-MSP-2009-IS21-04】**

##### *Data Concealment Scheme for HTML Documents Based on Color Code*

Chin-Feng Lee and Hsing-Ling Chen  
Chaoyang University of Technology, Taiwan, R.O.C.

#### **B04-05 【IIH-MSP-2009-IS21-05】**

##### *Multipurpose Watermarking Method Based on Blind Vector Quantization*

Chih-Hung Lin, Yu-Chiang Li, Ming-Ni Wu, Shun-Sheng Yang, and Kuan-Ju Chen  
Southern Taiwan University, Taiwan, R.O.C.

#### **B04-06 【IIH-MSP-2009-42】**

##### *Automatic Traffic Monitoring Method Based on Cellular Model*

Wei-Lieh Hsu, Chang-Lung Tsai, Po-Lun Chang  
Lunghwa University Science and Technology, Taiwan, R.O.C.

**B04-07 【IIH-MSP-2009-174】**

*Perfect Forward Secure Two-Party Key Agreement Protocol with Key Escrow*

Mengbo Hou, Qiuliang Xu, and Tao Ban

Shandong University, China.

**B04-08 【IIH-MSP-2009-192】**

*Advanced Color Images Enhancement Using Wavelet and K-means Clustering*

Hassana Grema Kaganami, Zou Beiji, and M. Sami Soliman

Central South University Changsha, China.

## **Session B05 : Behavior Analysis and Abnormal Event**

### **Detection**

#### **Session Chairs:**

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

**Dr. Duan-Yu Chen, Yuan-Ze University, Taiwan**

**Dr. Mark Hong-Yuan Liao, Academia Sinica, Taiwan**

#### **B05-01 【IIH-MSP-2009-IS22-01】**

##### **A Novel Viewer Counter for Digital Billboards**

*Duan-Yu Chen and Kuan-Yi Lin*

Yuan Ze University, Taiwan, R.O.C.

#### **B05-02 【IIH-MSP-2009-IS22-02】**

##### ***Vehicle Retrieval Using Eigen Color and Multiple Instance Learning***

Shin-Yu Chen, Jun-Wei Hsieh, Jui-Chen Wu, and Yung-Sheng Chen

Yuan Ze University, Taiwan, R.O.C.

#### **B05-03 【IIH-MSP-2009-IS22-03】**

##### ***Towards Efficient Copy Detection for Digital Videos by Using Spatial and Temporal Features***

Chung-Chi Tsai, Chin-Song Wu, Ching-Yu Wu, and Po-Chyi Su

National Central University, Taiwan, R.O.C.

#### **B05-04 【IIH-MSP-2009-IS22-04】**

##### ***Driving Situations Understanding through Content Rhythm Analysis***

Yu-Dun Lin, Wen-Yu Tseng, Cheng-Jie Hsum, and Chia-Hung Yeh

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

#### **B05-05 【IIH-MSP-2009-IS22-05】**

##### ***Ear Detection Based on Arc-Masking Extraction and AdaBoost Polling Verification***

Hao-Chung Shih, Chian C. Ho, Hsuan T. Chang, and Chin-Song Wu

National Yunlin University of Science and Technology Douliou, Taiwan, R.O.C.

#### **B05-06 【IIH-MSP-2009-IS22-06】**

##### ***Face Recognition Based on Complementary Matching of Single Image and Sequential Images***

Yea-Shuan Huang and Wei-Cheng Liu  
Chung Hua University, Taiwan, R.O.C.

**B05-07 【IIH-MSP-2009-348】**

*Precision Segmentation Rendering for 3-D Coronary Angiography Medical Image*

Tsair-Fwu Lee, Chang-Yu Lee, Pei-Ju Chao, and Chang-Yu Wang

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C

**B05-08 【IIH-MSP-2009-659】**

*Image Retrieval in Multimedia Databases: A Survey*

Yihun Alemu, Jong-bin Koh, Muhammed Ikram, and Dong-Kyoo Kim

Ajou University, South Korea.

## **Session B06 : Intelligent Watermarking Techniques, Image**

### **Authentication and Visual Cryptography(I)**

#### **Session Chairs:**

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

#### **B06-01 【IIH-MSP-2009-IS11-01】**

##### *Reversible Steganography for VQ Indices Using the Modified State Codebook*

Chin-Chen Chang, Chi-Shiang Chan, Zhi-Hui Wang, and Ming-Chu Li  
Feng Chia University Taichung, Taiwan, R.O.C.

#### **B06-02 【IIH-MSP-2009-IS11-02】**

##### *Sharing Secrets and Reversibly Reconstructing the Cover Image Using Two Meaningful Shadows*

The Duc Kieu, Chin-Chen Chang, Zhi-Hui Wang, and Ming-Chu Li  
Feng Chia University Taichung, Taiwan, R.O.C.

#### **B06-03 【IIH-MSP-2009-IS11-03】**

##### *Matrix Selection in High Payload Embedding*

Zhenxing Qian, Xinpeng Zhang, and Shuozhong Wang  
Shanghai University, China

#### **B06-04 【IIH-MSP-2009-IS11-04】**

##### *Enlargement of Balanced-Incomplete-Block-Designs-Based Watermarks*

Zhi-Fang Yang, Po-Chen Lee, Wei-Hung Chen, and Jia-Guu Leu  
National Taipei University, Taiwan, R.O.C.

#### **B06-05 【IIH-MSP-2009-IS11-05】**

##### *Security of Indirect-authenticated Key Exchange Protocol*

Hsu-Hung Chiang, Ching-Chung Liu, Ying-Ming Chen, and Ya-Fen Chang  
National Taichung Institute of Technology, Taiwan, R.O.C.

#### **B06-06 【IIH-MSP-2009-IS11-06】**

##### *A Video Watermarking in H.264/AVC Encoder*

Shinfeng D. Lin, Chih-Yao Chuang, and Hsiang-Cheng Meng  
National Dong Hwa University, Taiwan, R.O.C.

**B06-07 【IIH-MSP-2009-546】**

*Electrical Impedance Tomography for Washing out Underground Pollution*

Kazuyo Yoneda, Shinichi Tamura, Yoshinori Nishino, Kazuki Nakamura, Takio Shimosakon, Kyohei Shimada, Rong Long Wan, and Kozo Okazaki  
NBL Co., Ltd., Japan.

**B06-08 【IIH-MSP-2009-578】**

*Improved EMD Steganography with Great Embedding Rate and High Embedding Efficiency*

Qu Zhiguo, Fu Yu, Niu Xinxin, Yang Yixian, Zhang Ru  
Information Security Center, State Key Laboratory of Networking and Switching Technology, China.



## **Session B07 : Digital Archives and Digital Heritages(I)**

### **Session Chairs:**

**Dr. Kozaburo Hachimura, Ritsumeikan University, Japan**

#### **B07-01 【IIH-MSP-2009-IS34-01】**

*Construction of Ancient-Modern Word Dictionary from Parallel Corpus of Ancient Writings and Their Translations in Modern Language*

Fuminori Kimura and Akira Maeda

Ritsumeikan University, Japan.

#### **B07-02 【IIH-MSP-2009-IS34-02】**

*A Framework for Design and Evaluation of Digital Museums in Second Life as Learning Institutions*

Kingkarn Sookhanaphibarn and Ruck Thawonmas

Ritsumeikan University, Japan.

#### **B07-03 【IIH-MSP-2009-IS34-03】**

*Comparison of User Trajectories Based on Coordinate Data and State Transitions*

Junichi Oda, Ruck Thawonmas, and Kuan-Ta Chen

Ritsumeikan University, Japan.

#### **B07-04 【IIH-MSP-2009-IS34-04】**

*Automatic Modeling of Virtual 3D Streets Based on GIS Data - Application to Generation of Kyoto in the Edo Era -*

Masakazu Sawai, Yuzuru Isoda, Akihiro Tsukamoto, Yoshihiro Kosaka, Kyoko Hasegawa, Susumu Nakata, and Satoshi Tanaka

Ritsumeikan University, Japan.

#### **B07-05 【IIH-MSP-2009-IS34-05】**

*A Retrieval System for Ballet Steps using Three-dimensional Motion Data*

Tsuyoshi Matsuoka, Asako Soga, and Kazuhiro Fujita

Ryukoku University, Japan.

#### **B07-06 【IIH-MSP-2009-IS34-06】**

*A Method of Managing Distributed Contents in Heterogeneous Servers*

Masahito Shiba

Ryukoku University, Japan.

**B07-07 【IIH-MSP-2009-619】**

*A Pair-wise Key Establishment for Wireless Sensor Networks*

Hung-Min Sun, Cheng-Ta Yang, Yue-Hsun Lin, and Mu-En Wu  
National Tsing Hua University, Taiwan, R.O.C.

**B07-08 【IIH-MSP-2009-703】**

*A Fast Audio Retrieval Method Based on Negativity Judgment*

Zheng Guibin, Li Miao, Han Jiqing, and Zheng Tieran  
Harbin Institute of Technology, China.

## **Session B08 : Human Information Processing and Its Applications**

### **Session Chairs:**

**Dr. Itaru Nagayama, University of the Ryukyus, Japan**

**Dr. Yasue Mitsukura, Tokyo University of Agriculture and Technology, Japan**

#### **B08-01 【IIH-MSP-2009-IS25-01】**

*Unskilled User Support for Network Operation Based on Service Composition Using Web Ontology Languages*

Yoshihiro Nakamura

College of Industrial Technology Nihon University, Japan.

#### **B08-02 【IIH-MSP-2009-IS25-02】**

*An Analysis of the Influence of Facial Feature for Apparent Age Estimation*

Hironori Takimoto, Hironobu Fukai, Yasue Mitsukura, and Minoru Fukumi

National College of Technology, Japan.

#### **B08-03 【IIH-MSP-2009-IS25-03】**

*A Method for Evaluating the Degree of Human's Preference Based on EEG Analysis*

Tsukasa Nakamura, Shin-ichi Ito, Yasue Mitsukura, and Hiroto Setokawa

Tokyo University of Agriculture and Technology, Japan.

#### **B08-04 【IIH-MSP-2009-IS25-04】**

*A Method for Automatic Detection of Crimes for Public Security by Using Motion Analysis*

Koichiro Goya, Xiaoxue Zhang, Kouki Kitayama, and Itaru Nagayama

University of the Ryukyus, Japan.

#### **B08-05 【IIH-MSP-2009-IS25-05】**

*A High Speed Mixel Estimation Method by Using the Genetic Algorithm*

Seiji Ito and Yoshinari Oguro

Hiroshima Institute of Technology, Japan.

#### **B08-06 【IIH-MSP-2009-IS25-06】**

***An Important Facial Parts Analysis for Evaluating the Impression – Difference by Gender***

Seiki Yoshimori, Hironori Takimoto, Yasue Mitsukura, and Minoru Fukumi  
Nippon Bunri University, Japan.

**B08-07 【IIH-MSP-2009-75】**

***Further Remarks on Identity-based RSA Multi-signature***

Ya-Fen Chang, Yen-Cheng Lai, and Mu-Yen Chen  
National Taichung Institute of Technology, Taiwan, R.O.C

**B08-08 【IIH-MSP-2009-87】**

***A  $\pm 1$ -Based Steganography by Minimizing the Distortion of First Order Statistics***

Yifeng Lu, Xiaolong Li, and Bin Yang  
Peking University, China.

## **Session B09 : Statistical Image Processing and Application**

### **Session Chairs:**

**Dr. Xiangwei Kong, Dalian University of Technology, China**

#### **B09-01 【IIH-MSP-2009-IS23-01】**

##### *Robust Tracking Based on PSO and On-line AdaBoost*

Huchuan Lu, Wenling Zhang, Fan Yang, and Xiaojing Wang

Dalian University of Technology, China.

#### **B09-02 【IIH-MSP-2009-IS23-02】**

##### *Visual search based on contour salient*

Haiyan Fu, Xiangwei Kong, Shijie Jia, and Yanqing Guo

Dalian University of Technology, China.

#### **B09-03 【IIH-MSP-2009-IS23-03】**

##### *The Parallelization Design of Chaotic Encryption System Based on Mult-level Shuffle-Exchange Network*

Ding Nan, Ma Honglian, and Tan Guozhen

Dalian University of Technology, China.

#### **B09-04 【IIH-MSP-2009-IS23-04】**

##### *Source Camera Identification Forensics Based on Wavelet Features*

Bo Wang, Yiping Guo, Xiangwei Kong, and Fanjie Meng

Dalian University of Technology, China.

#### **B09-05 【IIH-MSP-2009-IS23-05】**

##### *SIFT-Based Image Retrieval Combining the Distance Measure of Global Image and Sub-Image*

Bin Li, Xiangwei Kong, Zhe Wang, and Haiyan Fu

Dalian University of Technology, China.

#### **B09-06 【IIH-MSP-2009-IS23-06】**

##### *Level Set-Based Semiautomatic Bolus Segmentation in Bolus-Chasing CTA*

Ying Hou and Yi Sun

Dalian University of Technology, China.

#### **B09-07 【IIH-MSP-2009-IS23-07】**

*Fairness Analysis of Electronic Commerce Protocol Based on Strand Space*

Wenqi Liu, Jianhua Yang, and Zhixin Li

Dalian University of Technology, China.

**B09-08 【IIH-MSP-2009-514】**

*Indexing and Querying in Multimedia Databases*

Hung-Yi Lin and Shih-Ying Chen

National Taichung Institute of Technology Taiwan, R.O.C.

## **Session B10 : Image Processing and VLSI Implementation**

### **Session Chairs:**

**Dr. Yohei Fukumizu, Ritsumeikan University, Japan**

#### **B10-01 【IIH-MSP-2009-IS39-01】**

*Parallel Implementation of Good Feature Extraction for Tracking on the Cell Processor with OpenCV Interface*

Hiroki Sugano and Ryusuke Miyamoto  
Kyoto University, Japan.

#### **B10-02 【IIH-MSP-2009-IS39-02】**

*Hardware Architecture for HOG Feature Extraction*

Ryoji Kadota, Hiroki Sugano, Masayuki Hiromoto, Hiroyuki Ochi, Ryusuke Miyamoto, and Yukihiro Nakamura  
Kyoto University, Japan.

#### **B10-03 【IIH-MSP-2009-IS39-03】**

*A FPGA-Based Real-Time Hardware Accelerator for Orientation Calculation Part in SIFT*

Jingbang Qiu, Ying Lu, Tianci Huang, and Takeshi Ikenaga  
WASEDA Univ, Japan.

#### **B10-04 【IIH-MSP-2009-IS39-04】**

*Temporal Information Cooperated Gaussian Mixture Models for Real-time Surveillance with Ghost Detection*

Tianci Huang, Chengjiao Guo, Jingbang Qiu, and Takeshi Ikenaga  
Waseda University, Japan.

#### **B10-05 【IIH-MSP-2009-IS39-05】**

*A Gabor Pseudo Fisherface Based Face Recognition Algorithm for LSI Implementation*

Yohei Fukumizu, Tomoaki Takano, Yasuyuki Oshima, Toshihiko Terada, and Hironori Yamauchi  
Ritsumeikan University, Japan.

#### **B10-06 【IIH-MSP-2009-IS39-06】**

*An Approach to Video Coding Using Parameter Estimation in the Decoding Process*

Gen Fujita and Tomokazu Matsuno  
Osaka Electro-Communication University, Japan.

**B10-07 【IIH-MSP-2009-295】**

*Wavelet-based sequence Codec Implementation on TMS320DM642*

Ali Ghorbanian and Amir Moosavinia

Khaje Nasir Toosi University of Technology, Iran.

**B10-08 【IIH-MSP-2009-363】**

*VLSI Design and Analysis of Multipliers for Low Power*

Pachara V. Rao, Cyril Prasanna Raj, and S. Ravi

Research Scholar, RNSIT, DR.MGR University, Chennai



## **Session B11 : Intelligent Watermarking Techniques, Image**

### **Authentication and Visual Cryptography(II)**

#### **Session Chairs:**

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

**Dr. Shiuh-Jeng Wang, Central Police University, Taiwan**

#### **B11-01 【IIH-MSP-2009-IS11-07】**

*Yet Another Friendly Progressive Visual Secret Sharing Scheme*

Tzung-Her Chen and Yao-Sheng Lee

National Chiayi University, Taiwan, R.O.C.

#### **B11-02 【IIH-MSP-2009-IS11-08】**

*Using Fano Plane and Image Centroids for Rotation, Scaling, or Translation Resistant Watermarking*

Zhi-Fang Yang, Chih-Jung Su, Ping-Chang Tseng, and Chan-Ting Shu

National Taipei University, Taiwan, R.O.C.

#### **B11-03 【IIH-MSP-2009-IS11-09】**

*An Embedding Technique Based upon Block Prediction and Code Cascading Shift*

Chin-Feng Lee, Jau-Ji Shen, and Mei-Chun Chuang

Chaoyang University of Technology, Taiwan, R.O.C.

#### **B11-04 【IIH-MSP-2009-IS11-10】**

*A Scheme of Modulo-Based Capacity-improvement upon EMD Systems*

Hung-Min Sun, Chi-Yao Weng, and Shiuh-Jeng Wang

National Tsing-Hua University, Taiwan, R.O.C.

#### **B11-05 【IIH-MSP-2009-IS11-11】**

*A Novel Secure Data Hiding Scheme Using a Secret Reference Matrix*

Chi-Nan Lin, Chin-Chen Chang, Wei-Bin Lee, and Jason Lin

National Chung Cheng Univ., Taiwan, R.O.C.

#### **B11-06 【IIH-MSP-2009-IS11-12】**

*Lossless Information Hiding Scheme Based on Predictive Coding*

Tzu-Chuen Lu, Cheng-Chun Huang, and Siang-Ru Liao

Chaoyang University of Technology, Taiwan, R.O.C.

**B11-07 【IIH-MSP-2009-588】**

*A Schema for Multi-Signature Handling Based on Workflow Model*

Jin-Bao Liu, Zhi-Long Qiu, Hui Zhou, Bao-Hui Liu, and Xia-Mu Niu  
Harbin Institute of Technology Harbin, China.

**B11-08 【IIH-MSP-2009-699】**

*A Robust Watermarking Algorithm Based on Differential Energy and QIM for Uncompressed Video*

Zhaoqing Liu, Qiong Li, Shuai Guan, and Xiyuan Peng  
Harbin Institute of Technology, China.

## Session B12 : Digital Archives and Digital Heritages(II)

### Session Chairs:

**Dr. Kozaburo Hachimura, Ritsumeikan University, Japan**

**Dr. Hiromi Tanaka, Ritsumeikan University, Japan**

#### **B12-01 【IIH-MSP-2009-IS34-07】**

##### *Digital Reconstruction of a Historical Kabuki Theater*

Kohei Furukawa, Ryo Akama, Chisako Hirose, and Kozaburo Hachimura  
Ritsumeikan University, Japan.

#### **B12-02 【IIH-MSP-2009-IS34-08】**

##### *Analysis of Gait Motion by Using Motion Capture in the Japanese Traditional Performing Arts*

Woong Choi, Hiroyuki Sekiguchi, and Kozaburo Hachimura  
Ritsumeikan University, Japan.

#### **B12-03 【IIH-MSP-2009-IS34-09】**

##### *Extracting Tactile Sensation Information from Multi-illuminated Images of Tangible Cultural Property*

Xin Yin, Kazuyoshi Nomura, and Hiromi T. Tanaka  
Ritsumeikan University, Japan.

#### **B12-04 【IIH-MSP-2009-IS34-10】**

##### *An Analysis of Body Movement on Music Expressivity Using Motion Capture*

Mamiko Sakata and Sayaka Wakamiya  
Doshisha University, Japan.

#### **B12-05 【IIH-MSP-2009-IS34-11】**

##### *Body Motion Analysis for Similarity Retrieval of Motion Data and Its Evaluation*

Woong Choi, Takatoshi Ono, and Kozaburo Hachimura  
Ritsumeikan University, Japan.

#### **B12-06 【IIH-MSP-2009-727】**

##### *Achieving Secure Fuzzy Commitment Scheme for Optical PUFs*

Tanya Ignatenko and Frans Willems  
University of Technology, Netherlands.

#### **B12-07 【IIH-MSP-2009-859】**

*Information Hiding into Interaural Phase Differences for Stereo Audio Signals*

Ryouichi Nishimura

National Institute of Information and Communications Technology, Japan.

**B12-08 【IIH-MSP-2009-508】**

*A Falsification Prevention Method for Face Authentication Using Light*

Yosuke Horiuchi and Osamu Uchida

Engineering Tokai University, Japan.

## **Session B13 : Advanced Reversible Data Hiding and Steganalysis**

### **Session Chairs:**

**Dr. Xiaoyi Yu, Peking University, China**

#### **B13-01 【IIH-MSP-2009-IS29-01】**

*Novel Robust Image Watermarking Exploiting The Features of Double Domains*

Xinshan Zhu, Yun Yang, and Yanming Chen

Yangzhou University, China.

#### **B13-02 【IIH-MSP-2009-IS29-03】**

*Revisit Steganalysis on QIM-based Data Hiding*

Qinxia Wu, Weiping Li, and Xiao Yi Yu

Anyang Normal University, China.

#### **B13-03 【IIH-MSP-2009-IS29-04】**

*Chain Coding Based Data Hiding in Binary Images*

Xiao Yi Yu and Aiming Wang

Anyang Normal University, China.

#### **B13-04 【IIH-MSP-2009-99】**

*Robust Data Hiding by Hilbert Curve Decomposition*

Brian K. Lien

Fu Jen Catholic Univ., Taiwan, R.O.C.

#### **B13-05 【IIH-MSP-2009-301】**

*Identity Based Authenticated Key Agreement for Tree-Based Group*

Xiangfei Sun, Qiuliang Xu, and Tao Ban

Shandong University, China.

#### **B13-06 【IIH-MSP-2009-596】**

*Image Watermarking in Face Recognition Systems Based on Contourlet Transform*

Ehsan Ehsani, M. Shahram Moin, and Farbod Razzazi

Islamic Azad University, Iran.

#### **B13-07 【IIH-MSP-2009-IS15-01】**

*A Histogram Descriptor Based on Co-occurrence Matrix and its Application in Cloud Image Indexing and Retrieval*

Qingyong Li and Weitao Lu  
Beijing Jiaotong University, China.

**B13-08 【IIH-MSP-2009-IS15-03】**

*An Image Index Algorithm Based on Hierarchical Clustering*

Tao Yang and Hongli Xu

Beijing Jiaotong University, China.

## **Session B14 : Intelligent Image Fusion and Its Application**

### **Session Chairs:**

**Dr. Jian Qiu Zhang, Fudan University, China**

**Dr. Yi Shen, Harbin Institute of Technology, China**

**Dr. Bo Hu, Fudan University, China**

#### **B14-01 【IIH-MSP-2009-IS30-01】**

*Curvelet Based Image Fusion for Ultrasound Contrast Harmonic Imaging*

Naizhang Feng, Mingjian Sun, Liyong Ma, and Jiachen Ma

Harbin Institute of Technology at Weihai, China.

#### **B14-02 【IIH-MSP-2009-IS30-02】**

*Image Fast Template Matching Algorithm Based on Projection and Sequential Similarity Detecting*

Liyong Ma, Yude Sun, Naizhang Feng, and Zheng Liu

Harbin Institute of Technology at Weihai, China.

#### **B14-03 【IIH-MSP-2009-IS30-03】**

*A Fast Medical Image Registration Based on Steerable Pyramid*

Yuhao Gu, Qing Lin, Bo Hu, and Xiao Bo

Fudan University, China.

#### **B14-04 【IIH-MSP-2009-IS30-05】**

*Generalized Local Priority Based Medical Image Fusion Scheme*

Jiasheng Hao, Yi Shen, Hongbing Xu, and Jianxiao Zou

University of Electronic Science and Technology of China, China.

#### **B14-05 【IIH-MSP-2009-IS30-06】**

*An Iterative Refinement DSA Image Registration Algorithm Using Structural Image Quality Measure*

Jiang Wang and Jiang Qiu Zhang

Fudan University, China.

#### **B14-06 【IIH-MSP-2009-50】**

*Multisecret Image Sharing*

Ran-Zan Wang, Yung-Yi Lin, Shang-Kuan Chen, Yeuan-Kuen Lee, Shih-YuHuang, and

Shyong-Jian Shyu

Yuan Ze University Taoyuan, Taiwan, R.O.C.

**B14-07 【IIH-MSP-2009-307】**

*Non-expansion Hiding Secret Image in Visual Secret Sharing with Shift Style*

Wen-Pinn Fang

Yuanpei University, Taiwan, R.O.C.

**B14-08 【IIH-MSP-2009-559】**

*Non-expansible Flip-flop Visual Cryptography with perfect security*

Shang-Kuan Chen and Sian-Jheng Lin

Yuanpei University, Taiwan, R.O.C.



## **Session B15 : Application of Intelligent Computing to Signal and Image Processing**

### **Session Chairs:**

**Dr. XiangYan Zeng, Fort Valley State University, USA**

#### **B15-01 【IIH-MSP-2009-IS35-03】**

*Denoising by Anisotropic Diffusion in ICA Subspace*

Xiangyan Zeng, Yen-Wei Chen, and Caixia Tao

Fort Valley State University, USA.

#### **B15-02 【IIH-MSP-2009-IS35-04】**

*Feature Selection using Recursive Feature Elimination for Handwritten Digit Recognition*

Xiangyan Zeng, Yen-Wei Chen, Caixia Tao, and Deborah van Alphen

Fort Valley State University, USA.

#### **B15-03 【IIH-MSP-2009-IS35-05】**

*Prediction of the O-glycosylation by Support Vector Machines and Characteristics of the Crowded and Isolated O-glycosylation Sites*

Yukiko Nakajima, Kazutoshi Sakakibara, Masahiro Ito, and Ikuko Nishikawa

Ritsumeikan University, Japan.

#### **B15-04 【IIH-MSP-2009-72】**

*Region-Based Segmentation versus Edge Detection*

Hassana Grema Kaganami and Zou Beiji

Central South University, China.

#### **B15-05 【IIH-MSP-2009-140】**

*Representing Meanings of Images Based on Associative Values with Lexicons*

Ying Dai

Faculty of software and information science Iwate Pref. University, Japan.

#### **B15-06 【IIH-MSP-2009-143】**

*Emotion Feature Vector of Finger Braille*

Yasuhiro Matsuda and Tsuneshi Isomura

Kanagawa Institute of Technology, Japan.

**B15-07 【IIH-MSP-2009-333】**

*Bilinear Coons Patch and its Application in Security Pattern Design*

Wenfa Qi, Xiaolong Li, and Bin Yang

Peking University, China.

**B15-08 【IIH-MSP-2009-446】**

*Age Estimation Using AAM and Local Facial Features*

Jun-Da Txia and Chung-Lin Huang

National Tsing Hua University, Taiwan

**B15-09 【IIH-MSP-2009-373】**

*Feature Selection for Character Recognition Using Genetic Algorithm*

Yoshimasa Kimura, Akira Suzuki, and Kazumi Odaka

Sojo University, Japan

## **Session C01 : Advanced Data Hiding and Coding Techniques for Audio Signals**

### **Session Chairs:**

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

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

#### **C01-01 【IIH-MSP-2009-IS03-01】**

*Multi-Layer Audio Watermarking Based on Amplitude Modification*

Akio Ogihara, Harumi Murata, Motoi Iwata, and Akira Shiozaki

Osaka Prefecture University, Japan.

#### **C01-02 【IIH-MSP-2009-IS03-02】**

*Audio Watermarking Using QIM on Wavelet Packet Coefficients*

Kotaro Sonoda and Osamu Takizawa

National Institute of Information and Communications Technology, Japan.

#### **C01-03 【IIH-MSP-2009-IS03-03】**

*Robust Audio Watermarking with Time and Frequency Division*

Kotaro Yamamoto and Munetoshi Iwakiri

National Defense Academy, Japan.

#### **C01-04 【IIH-MSP-2009-IS03-04】**

*Embedding Limitations with Audio-watermarking Method Based on Cochlear-delay Characteristics*

Kuniaki Imabeppu, Daiki Hamada, and Masashi Unoki

Japan Advanced Institute of Science and Technology, Japan.

#### **C01-05 【IIH-MSP-2009-IS03-05】**

*A Data Hiding Method for Stereo Audio Signals Using the Polarity of the Inter-Channel Decorrelator*

Kazuhiro Kondo

Yamagata University, Japan.

#### **C01-06 【IIH-MSP-2009-IS03-06】**

*On the Channel Characteristic of Dither Modulation Data Hiding for MP3 Compression*

Raul Martinez-Noriega, Mariko Nakano, and Kazuhiko Yamaguchi  
University of Electro-Communications, Japan.

**C01-07 【IIH-MSP-2009-61】**

*A Robust Content in DCT Domain for Image Authentication*

Yuan-Gen Wang and Yan-Qiang Lei  
Sun Yat-sen University, China.

**C01-08 【IIH-MSP-2009-211】**

*Optimization of AVS-M Video Decoder for Real-time Implementation on Embedded RISC Processors*

Guo-An Jian, Jui-Chin Chu, and Jiun-In Guo  
National Chung Cheng University Taiwan, R.O.C.

## **Session C02 : Intelligent Video Processing**

### **Session Chairs:**

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

#### **C02-01 【IIH-MSP-2009-IS01-01】**

*Vision-based Hand Gesture Recognition Using PCA+Gabor Filters and SVM*

Deng-Yuan Huang, Wu-Chih Hu, and Sung-Hsiang Chang

Da-Yeh University, Taiwan, R.O.C.

#### **C02-02 【IIH-MSP-2009-IS01-02】**

*A Two-Pass Filter for Impulse Noise Reduction Based on Edge Characteristics*

Chao-Yu Chen, Chao-Ho (Thou-Ho) Chen, Yi-Li Kuo, and Chin-Hsing Chen

National Cheng Kung University, Taiwan, R.O.C.

#### **C02-03 【IIH-MSP-2009-IS01-03】**

*A Fast Template Matching Method for Rotation Invariance Using Two Stage Process*

Wen-Chia Lee and Chin-Hsing Chen

National Cheng Kung University, Taiwan, R.O.C.

#### **C02-04 【IIH-MSP-2009-IS01-05】**

*A Watermarking Scheme Using Code Division Multiple Access and DWT*

Ji-Hong Chen and Chin-Hsing Chen

National Cheng Kung University, Taiwan, R.O.C.

#### **C02-05 【IIH-MSP-2009-IS01-06】**

*A Compression-Resistant Invisible Watermarking Scheme for H.264*

Tsong-Yi Chen, Da-Jinn Wang, Thou-Ho (Chao-Ho) Chen, and Yi-Long Lin

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

#### **C02-06 【IIH-MSP-2009-93】**

*Information Embedding in MPEG-4 Scalable Lossless Audio*

Te Li, Susanto Rahardja, Haiyan Shu, and Haibin Huang

Institute for Infocomm Research (I2R), Singapore.

#### **C02-07 【IIH-MSP-2009-455】**

*An algorithm for packing bitstream of scalable video coding*

Jung-Yang Kao and Jih-Sheng Tu  
Industrial Technology Research Institute, Taiwan, R.O.C.

**C02-08 【IIH-MSP-2009-819】**

*Fisherface vs. Eigenface in the Dual-tree Complex Wavelet Domain*

Bin Li and Kai-Kuang Ma

Nanyang Technological University, Singapore.

## **Session C03 : Internet Multimedia Technology and Applications**

### **Session Chairs:**

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

#### **C03-01 【IIH-MSP-2009-IS31-01】**

*Seamless Handover for Multimedia Applications between Heterogeneous Wireless Networks*

Hung-Wei Lin, Kuo-Chih Chu, Wei-Tsong Lee, and Jim-Min Lin

Tamkang University, Taiwan, R.O.C.

#### **C03-02 【IIH-MSP-2009-IS31-02】**

*A Novel Adaptive FEC and Interleaving Architecture for H.264/SVC Wireless Video Transmission*

Po-Chang Huang, Kuo-Chih Chu, Hsiang-Fu Lo, Wei-Tsong Lee, and Tin-Yu Wu

Tamkang University, Taiwan, R.O.C.

#### **C03-03 【IIH-MSP-2009-IS31-03】**

*Information Objects Encapsulating Multimedia and Intelligence*

Chia-Ming Lee, Shang-Rong Tsai, Yu-Sheng Huang, Yuan-Liang Tai, Guang-Hung Huang, and Hewi-Jin Jiau

Chang Kung Christian University, Taiwan, R.O.C.

#### **C03-04 【IIH-MSP-2009-IS31-04】**

*A Portable Feather-Weight Java-based Graphic Library for Embedded Systems on Java Processor*

Pang-Chieh Wang, Chin-Yang Lin, Cheng-Liang Lin, Yi-Fang Li, Cheng-Kai Yang, and Ting-Wei Hou

National Cheng Kung University, Taiwan, R.O.C.

#### **C03-05 【IIH-MSP-2009-IS31-05】**

*Automatic Internet Media Clipper*

Hewijin Christine Jiau and Ming Lun Lee

National Cheng Kung University, Taiwan, R.O.C.

#### **C03-06 【IIH-MSP-2009-IS31-06】**

*IDEA: An Interest-Driven Architecture for Establishing Personalized Semantic Infrastructure*

Feng-Pu Yang, Hewijin Christine Jiau, and Kuo-Feng Ssu

National Cheng Kung University, Taiwan, R.O.C.

**C03-07 【IIH-MSP-2009-636】**

*Reversible Secret Image Sharing Based on Shamir's Scheme*

Chia-Chun Wu, Shang-Juh Kao, Wen-Chung Kuo, and Min-Shiang Hwang

National Chung Hsing University, Taiwan, R.O.C.

**C03-08 【IIH-MSP-2009-756】**

*Histogram Shifting Lossless Data Hiding Based on Space Filling Curves*

Xiao Yi Yu and Aiming Wang

Anyang Normal University, China.



## **Session C04 : Advances in Multimedia Signal Processing and Communications**

### **Session Chairs:**

**Dr. Jen-Wen (J.W.) Ding, Kaohsiung University of Applied Sciences, Taiwan**

**Dr. Chih-Heng (C.H.) Ke, Kinmen Institute of Technology, Taiwan**

#### **C04-01 【IIH-MSP-2009-IS36-01】**

*P2P Multimedia Streaming Schedule for Maximum Network Capacity*

Chin-Feng Lai, Yi-Wei Ma, Chia-Cheng Hu, and Yueh-Min Huang

National Cheng Kung University, Taiwan, R.O.C.

#### **C04-02 【IIH-MSP-2009-IS36-02】**

*Optimal Rate Allocation and Admission Control Policy for P2P On-Demand Streaming Systems*

Jen-Wen Ding, Guan-Wei Wu, and Der-Jiunn Deng

National Kaohsiung Univ. of Applied Sciences, Taiwan, R.O.C.

#### **C04-03 【IIH-MSP-2009-IS36-03】**

*Path Dependent Adaptive Forward Error Correction with Multipath Interleaving Control Scheme for Video Streaming over Wireless Networks*

Ming-Fong Tsai, Chih-Heng Ke, Chun-I Kuo, and Ce-Kuen Shieh

National Kinmen Institute of Technology, Taiwan, R.O.C.

#### **C04-04 【IIH-MSP-2009-IS36-04】**

*Mining Temporal Region-based Service Patterns for Cooperative Caching in Wireless Multimedia Sensor Networks*

Kawuu W. Lin, Ming-Hua Hsieh, and Vincent S. Tseng

National Kaohsiung University of Applied Sciences, Taiwan, R.O.C.

#### **C04-05 【IIH-MSP-2009-IS36-05】**

*A GeoTagging Scheme Using Image Steganography and GPS Information Authentication*

Mei-Yi Wu, Chuan-Chi Hsu, and Jia-Hong Lee

Chang Jung University, Taiwan, R.O.C.

#### **C04-06 【IIH-MSP-2009-IS36-06】**

***Pre-Register Algorithm for SVC by Fast BSS Transition Wireless Networks***

Huei-Yu Yang, Ya-Chun Li, Feng-Yi Chou, Tin-Yu Wu, and Wei-Tsong Lee

Tamkang University, Taiwan, ROC

**C04-07 【IIH-MSP-2009-IS36-07】**

***New Watermarking Algorithm with Coding Efficiency Improvement and Authentication in Video Surveillance***

Chuen-Ching Wang, Ming-Jun Chi, and Yao-Tang Chang

National Changhua University of Education, Taiwan, R.O.C.

**C04-08 【IIH-MSP-2009-189】**

***An Enlargement Method Using Undecimated Wavelet Transform and Shape Function***

Wen-Chien Yen, Yen-Yu Chen, and Ying-Wen Chang

Chung Chou Institute of Technology, Taiwan, R.O.C.

## **Session C05 : Multimedia Signal Processing and Application**

### **Session Chairs:**

**Dr. Xian-Hua Han, Ritsumeikan University, Japan**

**Dr. Tomoko Tateyama, University of The Ryukyus, Japan**

#### **C05-01 【IIH-MSP-2009-IS37-01】**

*New Approach for Cancer Computer Aided Diagnosis and Treatment*

Menrit Samir Fahmy

Cairo, Egypt.

#### **C05-02 【IIH-MSP-2009-IS37-02】**

*2D-PCA based Statistical Shape Model from few Medical Samples*

Tomoko Tateyama, Hossein Foruzan, and Yen-Wei Chen

Ritsumeikan University, Japan.

#### **C05-03 【IIH-MSP-2009-IS37-03】**

*Compound Image Compression with Multi-step Text Extraction Method*

Qi Xi, Xing Wu and Shensheng Zhang

University of Michigan-Shanghai Jiao Tong University Joint Institute, China.

#### **C05-04 【IIH-MSP-2009-IS37-04】**

*Face Image Metamorphosis with an Improved Multilevel B-Spline Approximation*

Masataka Seo and Yen-Wei Chen

Ritsumeikan University, Japan.

#### **C05-05 【IIH-MSP-2009-IS37-06】**

*Remote Control System of Artificial Fish School and Its Fast Implementation*

Hisashi Kawabayashi, Mohammad Khazab, Jeff Tweedale, Lakhmi C. Jain, and Yen-Wei Chen

Ritsumeikan Univ, Japan.

#### **C05-06 【IIH-MSP-2009-IS37-07】**

*Image Categorization by Learned PCA Subspace of Combined Visual-words and Low-level Features*

Xian-Hua Han and Yen-Wei Chen

Central South University of Forestry and Technology, China.

**C05-07 【IIH-MSP-2009-196】**

*A Study of Rounding Error on CDMA-based Fingerprinting Scheme*

Minoru Kuribayashi, Hiroshi Kato, and Masakatu Morii

Kobe University, Japan.

**C05-08 【IIH-MSP-2009-633】**

*Dual-Microphone Speech Extraction from Signals with Audio Background*

Mariusz Ziółko, Bartosz Ziółko, and Rafał Samborski

AGH University of Science and Technology AI, Poland.

## **Session C06 : Multi-Dimensional Signal Processing, Modeling and Visualization**

### **Session Chairs:**

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

**Dr. Hiromi Tanaka, Ritsumeikan University, Japan**

**Dr. Satoshi Tanaka, Ritsumeikan University, Japan**

**Dr. Gang Xu, Ritsumeikan University, Japan**

### **C06-01 【IIH-MSP-2009-IS38-01】**

*Multi-mode Narrow-band Thresholding with Application in Liver Segmentation from Low-contrast CT Images*

Amir H. Foruzan, Yen-Wei Chen, Reza Aghaeizadeh Zoroofi, Akira Furukawa, Yoshinobu Sato, and Masatoshi Hori

Ritsumeikan University, Shiga, Japan.

### **C06-02 【IIH-MSP-2009-IS38-02】**

*Evaluation of Liver Shape Approximation and Characterization*

Farshid Babapour Mofrad, Reza Aghaeizadeh Zoroofi, Yen-Wei Chen, Ali Abbaspour Tehrani-Fard, YoshinobuSato, and Akira Furukawa

Ristumeikan University, Japan.

### **C06-03 【IIH-MSP-2009-IS38-03】**

*Volume Visualization with Grid-Independent Adaptive Monte Carlo Sampling*

Hideo Nakajima, Kyoko Hasegawa, Susumu Nakata, and Satoshi Tanaka

Ritsumeikan University, Japan.

### **C06-04 【IIH-MSP-2009-IS38-04】**

*Detection and 3D Measurement of a Rectangular Solid in a Single Image*

Tomohiro Nakamichi and Gang Xu

Ritsumeikan University, Japan.

### **C06-05 【IIH-MSP-2009-IS38-05】**

*Drowsiness Detection Based on Brightness and Numeral Features of Eye Image*

Pooneh. R. Tabrizi and Reza Aghaeizadeh Zoroofi

University of Tehran, Iran.

**C06-06 【IIH-MSP-2009-IS38-06】**

***A Novel Clustering-Based Feature Extraction Method for an Automatic Facial Expression Analysis System***

A. Ghahari, Y. Rakhshani Fatmehsari, and Reza Aghaeizadeh Zoroofi  
University of Tehran, Iran.

**C06-07 【IIH-MSP-2009-IS38-07】**

***Automated Dental Recognition in MSCT Images for Human Identification***

Mohammad Hosntalab, Reza Aghaeizadeh Zoroofi, Ali Abbaspour Tehrani-Fard, and Gholamreza Shirani  
University of Tehran, Tehran, Iran.

**C06-08 【IIH-MSP-2009-496】**

***Real-Time Hand Detection and Tracking against Complex Background***

Gang-Zeng Mao, Yi-Leh Wu, Maw-Kae Hor, and Cheng-Yuan Tang  
National Taiwan University of Science and Technology, Taiwan, R.O.C.

## **Session C07 : Multimedia Signal Processing for Plasma Diagnostics**

### **Session Chairs:**

**Dr. Shinsuke Fujioka, Osaka University, Japan**

#### **C07-01 【IIH-MSP-2009-IS26-01】**

##### *Fast Subsequence Matching in Plasma Waveform Databases*

Teruhisa Hochin, Yoshihiro Yamauchi, Hiroki Nomiya, Hideya Nakanishi, and Mamoru Kojima  
Kyoto Institute of Technology, Japan.

#### **C07-02 【IIH-MSP-2009-IS26-02】**

##### *Image Processing in Ultra Fast X-ray Imaging with Streak Cameras for Laser Fusion Research*

Eunjoo Choi, Jiayong Zhong, Shinsuke Fujioka, Hiroyuki Shiraga, and Hiroshi Azechi  
Osaka University, Japan.

#### **C07-03 【IIH-MSP-2009-IS26-03】**

##### *Improvements of Signal-to-noise Ratio Utilizing Penumbral Imaging with M-sequences Aperture and Its Heuristic Scheme*

Tatsuki Ueda, Shinsuke Fujioka, Shinya Nozaki, Yen-Wei Chen, and Hiroaki Nishimura  
Osaka University, Japan.

#### **C07-04 【IIH-MSP-2009-IS26-04】**

##### *A Heuristic Decoding Method for Coded Images of Random Uniformly Redundant Array*

Shinya Nozaki, Yen-Wei Chen, Shinsuke Fujioka, Tatsuki Ueda, and Yoshinori Namihira  
University of the Ryukyus, Japan.

#### **C07-05 【IIH-MSP-2009-IS26-05】**

##### *Particle Swarm Optimization for Reconstruction of Penumbral Images*

Yen-Wei Chen, Chen-Lun Lin, and Aya Mimori  
Central South University of Forestry and Technology, China.

#### **C07-06 【IIH-MSP-2009-339】**

##### *Creating RSA Trapdoors Using Lagrange Four Square Theorem*

Constantinos Patsakis and Evangellos Fountas  
University of Piraeus Karaoli & Dimitriou, Greece.

**C07-07 【IIH-MSP-2009-592】**

***Detection of LSB Replacement and LSB Matching Steganography Using Gray Level Run Length Matrix***

Mojtaba Seyedhosseini and Shahrokh Ghaemmaghami  
Sharif University of Technology, Iran.

**C07-08 【IIH-MSP-2009-604】**

***Performance and Power Efficiency Analysis of the Symmetric Cryptograph on Two Stream Processor Architectures***

Guang Xu, Hong An, Gu Liu, Ping Yao, Mu Xu, Wenting Han, Xiaoqiang Li, and Xiurui Hao  
University of Science and Technology, China.



## Session P01 : Poster Session (I)

### **P01-01 【IIH-MSP-2009-247】**

#### *Double-Density Dual-Tree Wavelet Transform Based Texture Classification*

Yu-Long Qiao and Chun-Yan Song

Harbin Engineering University, China.

### **P01-02 【IIH-MSP-2009-IS35-06】**

#### *A Research on Social Anxiety Individuals' Emotion Recognition Using IEC*

Xinyin Huang, Yan Zhang, Aibing Xu, Hisashi Kawabayashi, and Yen-Wei Chen

Soochow University, China.

### **P01-03 【IIH-MSP-2009-573】**

#### *A Robust Contourlet Based Image Hash Algorithm*

Yanan Wang, Di Wu, Hui Zhang, and Xiamu Niu

Harbin Institute of Technology, China.

### **P01-04 【IIH-MSP-2009-IS30-04】**

#### *Hyperspectral Feature Selection Based on Mutual Information and Nonlinear Correlation Coefficient*

Miao Zhang, Qiang Wang, Yi Shen, and Bo Zhang

Harbin Institute of Technology, China.

### **P01-05 【IIH-MSP-2009-395】**

#### *Steganalysis Based on Weighted Stego-Image for 2LSB Replacement Steganography*

Mao Ye, Fenlin Liu, Chunfang Yang, and Xiongfei He

Institute of Information Science and Technology, China.

### **P01-06 【IIH-MSP-2009-532】**

#### *Secret Sharing Protocol for Linguistic Threshold Schemes*

Marek R. Ogiela and Urszula Ogiela

AGH University of Science and Technology AI, Poland.

### **P01-07 【IIH-MSP-2009-521】**

#### *Robust Perceptual Image Hashing based Temporal Synchronization for Watermarked H.264 Frames*

Xun Gong and Hai-Ming Lu  
Information Technology Tsinghua University, China.

**P01-08 【IIH-MSP-2009-569】**

*Time-Scale Invariant Zero-Watermarking Scheme for Audio*

Ming-Quan Fan and Hong-Xia Wang  
Southwest Jiaotong University, China.

**P01-09 【IIH-MSP-2009-124】**

*Quality Evaluation of Digital Image Watermarking*

Qingtang SU, Xianxi LIU, and Steve Zhang  
Lu Dong University, Yantai, China.

**P01-10 【IIH-MSP-2009-IS29-02】**

*Study on Digital Watermarking in the Oracle Bone Inscriptions Rubbings*

Liu Yongge and Ge Yanqiang  
Anyang Normal University, China.

**P01-11 【IIH-MSP-2009-379】**

*Imperceptibility Evaluation for Color Stego Image*

MA Xiu-ying and LIN Jia-jun  
East China University of Science and Technology, China.

**P01-12 【IIH-MSP-2009-81】**

*Joint Secret Image Sharing and Progressive Transmission Based on Integer Discrete Cosine Transform*

Zhenfei Zhao, Hao Luo, and Zhe-Ming Lu  
Sun Yat-sen University, P.R.China

**P01-13 【IIH-MSP-2009-15】**

*A Fast and Robust Algorithm of Detection and Segmentation for Moving Object\**

Jie He, Kebin Jia, and Zhuoyi Lv  
Beijing University of Technology, China.

**P01-14 【IIH-MSP-2009-360】**

*Extracting Invariable Features Using Geometry Projection Based Histogram Model for 3D Object Description*

Jun-Bao Li, Long-Jiang Yu, and Shi-Ze Guo

Harbin Institute of Technology, China.

**P01-15 【IIH-MSP-2009-134】**

*On Acceptable Modification Limits of Electroacoustic Speech Signals for Data Hiding*

Marina Ponomar

Moscow State Linguistic University Moscow, Russia.

## **Session P02 : Poster Session (II)**

### **P02-01 【IIH-MSP-2009-154】**

*Algorithm for Detecting Steganographic Information Based on Characteristic of Embedded Message*

Rongling Lang and Hui Lu

Beijing University of Aeronautics and Astronautics, China.

### **P02-02 【IIH-MSP-2009-IS35-01】**

*Principal Component Analysis for Prediction of O-Linked Glycosylation Sites in Protein by Multi-Layered Neural Networks*

Chu-Zheng Wang, Xian-Hua Han, Masahiro Ito, Ikuko Nishikawa, and Yen-Wei Chen

Central South University of Forestry & Technology, China.

### **P02-03 【IIH-MSP-2009-IS35-02】**

*An Efficient Identity-based Certified E-mail Protocol*

Caifen Wang, Xiaodong Yang, Caihui Lan, and Xiaojun Cao

Northwest Normal University, China.

### **P02-04 【IIH-MSP-2009-723】**

*An Automated On-line Traffic Flow Classification Scheme*

Jian Zhang, Zongjue Qian, Guochu Shou, and Yihong Hu

Beijing University of Posts and Telecommunications, China.

### **P02-05 【IIH-MSP-2009-541】**

*Adaptive Reed-Solomon Code Protection of Data Partitioned H.264 Video*

Heng Li and YanChun Zhong

BeiHang University, China.

### **P02-06 【IIH-MSP-2009-28】**

*Multi Path Based on Cache Notification Algorithm in Wireless Sensor Networks*

Kuang Zhufang and Yang Guogui

Central South University of Forestry and Technology, China.

### **P02-07 【IIH-MSP-2009-IS13-01】**

*An Effective Network-Aware Peer Selection Algorithm in BitTorrent*

Fenglin Qin, Ju Liu, Lina Zheng, and Liansheng Ge  
Shandong University, China.

**P02-08 【IIH-MSP-2009-IS13-03】**

*A Mutual Information Based Sub-Pixel Registration Method for Image Super Resolution*

Boyang Zhang, Ju Liu, Jinyu Chu, and Jianping Qiao  
Shandong University, China.

**P02-09 【IIH-MSP-2009-IS13-04】**

*Performance Comparison of Several Watermarking Methods Based on ICA and AQIM*

Jie Ling, Ju Liu, and Zhaowan Sun  
Shandong University, China.

**P02-10 【IIH-MSP-2009-IS13-05】**

*Watermarking for 3D Triangular Meshes Based on SVD*

Xiushan Nie, Ju Liu, Xianqing Wang, and Jiande Sun  
Shandong University, China.

**P02-11 【IIH-MSP-2009-IS13-06】**

*A Blind Video Watermarking Scheme Based on DWT*

Chun-Xing Wang, Xiushan Nie, Xianqing Wan, Wen Bo Wan, and Feng Chao  
Shandong Normal University, China.

**P02-12 【IIH-MSP-2009-IS15-02】**

*3D Object Classification by Fuzzy KNN and Bayesian Decision*

Li-Li Wan and Zhen-Jiang Miao  
Beijing Jiaotong University, China.

**P02-13 【IIH-MSP-2009-IS15-04】**

*An Integrative Codebook for Natural Scene Categorization*

Guanghua Gu, Yao Zhao, and Zhenfeng Zhu  
Beijing Jiaotong University, China.

**P02-14 【IIH-MSP-2009-IS15-05】**

*A Novel Texture Analysis Method Based on Graph Spectral Theory*

Zhang Tao, Hong Wenxue, and Wang Jinjia  
YanShan University, China.

**P02-15 【IIH-MSP-2009-IS15-06】**

*Image Denoising Based on Non-local Means with Wiener Filtering in Wavelet Domain*

Li Lin and Kong Lingfu

Yanshan University, China.

**P02-16 【IIH-MSP-2009-IS27-16】**

*Defect Detection of Skewed Images for Multilayer Ceramic Capacitors*

Chun-Chieh Tseng, Jia-Hao Wu, and Bin-Yih Liao

## **Session D01 : Industry Trends in Information Hiding and Multimedia**

### **Signal Processing**

#### **Session Chairs:**

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

#### **D01-01 【IIH-MSP-2009-IS40-01】**

*Vision on Vision --Best R&D on Computer Vision*

Xiang Ruan

OMRON Corporation, Japan.

#### **D01-02 【IIH-MSP-2009-IS40-02】**

*Face Recognition based on SIFT Features with Spatial Information*

Akihiko Yamada, Rui Xu, Xian-Hua Han, and Yen-Wei Chen

Digital Technology Research Center, SANYO Electric Co., Ltd., Japan.

#### **D01-03 【IIH-MSP-2009-IS40-03】**

*A Headset-Microphone Array for Noisy Speech Recognition and Its Application to Hands-free Picking System*

Masaomi Iida, Yuki Denda, Masato Ishida, Naoya Kawabata, and Takanobu Nishiura

Research & Development Division, Murata Machinery, LTD., Japan.

**D01-01 【IHH-MSP-2009-IS40-01】**

在資料夾：IS40-01(D01-01).pdf



**D01-02【IIH-MSP-2009-IS40-02】**

在資料夾：IS40-02(D01-02).pdf

**D01-03【IIH-MSP-2009-IS40-03】**

在資料夾：IS40-03(D01-03).doc

# Author Index

Akama, Ryo	<b>B12-01</b>	Chang, Po-Yen	<b>A08-01</b>
Alemu, Yihun	<b>B05-08</b>	Chang, Shih-Chang	<b>B01-08</b>
Ali, Abbaspour		Chang, Shu-Wen	<b>A06-08</b>
Tehrani-Fard	<b>C06-02, C06-07</b>	Chang, Sung-Hsiang	<b>C02-01</b>
Ali, Ameri Mahabadi	<b>A02-08</b>	Chang, Ya-Fen	<b>B06-05, B08-07</b>
Ali, Ghorbanian	<b>B10-07</b>	Chang, Yao-Tang	<b>C04-07</b>
Alphen, Deborah van	<b>B15-02</b>	Chang, Ying-Wen	<b>C04-08</b>
An, Hong	<b>B10-08</b>	Chang, Yu-Cheng	<b>A01-03</b>
Aoki, Naofumi	<b>A15-02</b>	Chao, Feng	<b>P02-11</b>
Azechi, Hiroshi	<b>B10-02</b>	Chao, Pei-Ju	<b>A04-06, B05-07</b>
Bakhshandeh, Soodeh	<b>A14-06</b>	Chen ,Thou-Ho (Chao-Ho)	<b>C02-02 C02-05</b>
Bian, Hongyu	<b>A08-03</b>	Chen, Chao-Lieh	<b>A10-02</b>
Bours, Patrick	<b>A09-05</b>	Chen, Chao-Yu	<b>C02-02</b>
	<b>A09-02, A09-03,</b>		<b>A03-02, C02-02,</b>
	<b>A14-01, A14-03,</b>	Chen, Chin-Hsing	<b>C02-03, C02-04</b>
Busch, Christoph	<b>A14-04</b>	Chen, Chuen-Lung	<b>A05-04</b>
Cao, Xiaojun	<b>P02-03</b>	Chen, Chun-Jung	<b>A05-06</b>
Chai, Zhi	<b>A12-03</b>	Chen, Duan-Yu	<b>B05-01</b>
Chan, Chien-Lung	<b>B01-07</b>	Chen, Hou-An	<b>A05-08</b>
Chan, Chin-Chen	<b>A11-03, B01-09</b>	Chen, Hsing-Ling	<b>B04-04</b>
Chan, Chi-Shiang	<b>B06-01</b>	Chen, I-Te	<b>A01-06, A04-04</b>
Chang, Bao Rong	<b>B02-02</b>	Chen, Jian-Hong	<b>B02-01</b>
Chang, Cheng-Yuan	<b>A01-02</b>	Chen, Jiann-Jone	<b>A15-08</b>
	<b>A06-05, B01-08,</b>	Chen, Ji-Hong	<b>C02-04</b>
	<b>B04-02, B06-01,</b>	Chen, Jiun-Ting	<b>A05-04</b>
Chang, Chin-Chen	<b>B06-02, B11-05</b>	Chen, Kuan-Ju	<b>B04-05</b>
Chang, Chuan-Yu	<b>A07-03</b>	Chen, Kuan-Ta	<b>B07-03</b>
Chang, Feng-Cheng	<b>A07-02, A12-04</b>	Chen, Kuo-Nan	<b>A06-05</b>
Chang, Hsuan T.	<b>B05-05</b>	Chen, Long-Chang	<b>A04-06</b>
Chang, Jen-Chun	<b>B01-03</b>	Chen, Ming-Hong	<b>A11-04</b>
Chang, Jui-Fang	<b>A07-01</b>	Chen, Mu-Yen	<b>B08-07</b>
Chang, Ju-Yun	<b>A12-02</b>	Chen, Roger Yubtzuan	<b>A10-05</b>
Chang, Ming-Jen	<b>A10-05</b>	Chen, Shang-Kuan	<b>B14-06, B14-08</b>
Chang, Po-Lun	<b>B04-06</b>	Chen, Shih-Ying	<b>A05-02, B09-08</b>

Chen, Shin-Yu	<b>B05-02</b>	Chou, Chih-Hsun	<b>A01-03, A01-04</b>
Chen, Tsong-Yi	<b>C02-05</b>	Chou, Feng-Yi	<b>C04-06</b>
Chen, Tzung-Her	<b>B01-06, B11-01</b>	Chou, Yung-Chen	<b>B04-02</b>
Chen, Wei-Da	<b>A10-03</b>	Chu, Jinyu	<b>P02-08</b>
Chen, Wei-Hung	<b>B06-04</b>	Chu, Jui-Chin	<b>C01-08</b>
Chen, Wen-Cheng	<b>A04-06, A13-07</b>	Chu, Kuo-Chih	<b>C03-01, C03-02</b>
Chen, Wen-Ping	<b>A04-07</b>	Chu, Shu-Chuan	<b>A12-01</b>
Chen, Wen-Yuan	<b>B02-03</b>	Chuang, Chih-Yao	<b>B06-06</b>
Chen, Xiuxin	<b>A09-06</b>	Chuang, Fong-Ping	<b>A03-01</b>
Chen, Yanming	<b>B13-01</b>	Chuang, I-Yao	<b>A10-06</b>
Chen, Yen-Chang	<b>A11-03</b>	Chuang, Mei-Chun	<b>B11-03</b>
	<b>A10-07, C07-03,</b>	Chung, Chin-Ho	<b>B02-03</b>
	<b>C07-04, C07-05,</b>	Chung, Pau-Choo	<b>A03-05</b>
	<b>B15-01, B15-02,</b>	Close, Robert	<b>B03-08</b>
	<b>C05-02, C05-04,</b>	Dai, Ying	<b>B15-05</b>
	<b>C05-05, C05-06,</b>	Denda, Yuki	<b>D01-03</b>
	<b>C06-01, C06-02,</b>	Deng, Der-Jiunn	<b>C04-02</b>
	<b>P01-02, P02-02</b>	Deng, Huifang	<b>B03-05</b>
Chen, Yen-Wei	<b>D01-02</b>	Deng, Wen	<b>B03-05</b>
Chen, Yen-Yu	<b>C04-08</b>	Deng, Zhipin	<b>A09-06</b>
Chen, Yi-Ming	<b>B01-05</b>	Ding, Jen-Wen	<b>C04-02</b>
Chen, Ying-Ming	<b>B06-05</b>	Doong, Jiann-Gwo	<b>B03-03</b>
Chen, Yi-Ting	<b>A12-01</b>	Drahanský, Martin	<b>A09-01</b>
Chen, Yung-Sheng	<b>B05-02</b>	Duong, Anh-Duc	<b>A02-05</b>
Cheng, Chien-Kang	<b>A05-08</b>	Ebisawa, Ryu	<b>A02-03</b>
Cheng, Ching -Hwa	<b>B02-06</b>		<b>A02-04, A02-05,</b>
Cheng, Fang-Hsuan	<b>A01-02</b>	Echizen, Isao	<b>A02-06, A11-08</b>
Cheng, Shyi-Chyi	<b>A08-02</b>	Ehsani, Ehsan	<b>B13-06</b>
Cheng, Wei-Jeng	<b>A10-04</b>	Erdogan, Hakan	<b>A09-07</b>
Cheng, Yuh-Ming	<b>A07-04</b>	Eshghi, Mohammad	<b>A02-08</b>
Chi, Ming-Jun	<b>C04-07</b>	Fahmy, Menrit Samir	<b>C05-01</b>
Chiang, Hsu-Hung	<b>B06-05</b>	Fan, Chih-Chieh	<b>A05-03</b>
Chiang, Po-Hsuan	<b>A06-04</b>	Fan, Ming-Quan	<b>P01-08</b>
Chiba, Takeru	<b>A14-08</b>	Fan, Ping-Lin	<b>A05-02</b>
Chien, Hung-Yu	<b>A06-01</b>	Fang, Wen-Pinn	<b>B14-07</b>
Choi, Eunjoo	<b>B10-02</b>	Fatmehsari, Y. Rakhshani	<b>C06-06</b>
Choi, Woong	<b>B12-02, B12-05</b>	Feng, Naizhang	<b>B14-01, B14-02</b>
Chou, Chao-Lung	<b>A11-02</b>	Foruzan, Amir H.	<b>C06-01</b>

Foruzan, Hossein	<b>C05-02</b>	Guo, Yun-Biao	<b>A07-05</b>
Fountas, Evangellos	<b>B10-06</b>		<b>B12-01, B12-02,</b>
Fu, Haiyan	<b>B09-02, B09-05</b>	Hachimura, Kozaburo	<b>B12-05</b>
Fu, Yu-Fen	<b>B03-02</b>		<b>A13-01, A13-04,</b>
	<b>C07-02, C07-03,</b>	Hama, Hiromitsu	<b>A13-05, A13-06</b>
Fujioka, Shinsuke	<b>C07-04</b>	Hamada, Daiki	<b>C01-04</b>
Fujita, Kazuhiro	<b>B07-05</b>	Han, Chin-Chuan	<b>A01-01</b>
Fujiwara, Toru	<b>A02-02</b>	Han, John	<b>A15-06</b>
Fujtia, Gen	<b>C07-06</b>	Han, Qi	<b>A07-06, A14-03</b>
Fukai, Hironobu	<b>B08-02</b>	Han, Wenting	<b>C07-08</b>
Fukumi, Minoru	<b>B08-02, B08-06</b>		<b>C05-06, P02-02</b>
Fukumizu, Yohei	<b>C07-05</b>	Han, Xian-Hua	<b>D01-02</b>
Fullu, Christopher Johnsrud	<b>A09-05</b>	Handa, Hironori	<b>A15-03</b>
Furukawa, Akira	<b>C06-01</b>	Hao, Jiasheng	<b>B14-04</b>
Furukawa, Akira	<b>C06-02</b>	Hao, Xiurui	<b>C07-08</b>
Furukawa, Kohei	<b>B12-01</b>	Hartung, Daniel	<b>A14-01</b>
Gałka, Jakub	<b>A14-05</b>	Hasegawa, Kyoko	<b>B07-04, C06-03</b>
Gao, Wen	<b>A11-07</b>	He, Jie	<b>P01-13</b>
Gao, Yi	<b>A15-06</b>	He, Rong-Song	<b>A08-06</b>
Gao, Yunkai	<b>A08-05</b>	He, Xiongfei	<b>P01-05</b>
Ge, Liansheng	<b>P02-07</b>	Hioki, Hirohisa	<b>A02-07</b>
Ghaemmaghami, Shahrokh	<b>C07-07</b>	Hirakawa, Arata	<b>A04-03</b>
Ghahari, A.	<b>C06-06</b>	Hiromoto, Masayuki	<b>B10-02</b>
Gligoroski, Danilo	<b>A09-04</b>	Hirose, Chisako	<b>B12-01</b>
Gong, Xun	<b>P01-07</b>	Hirose, Kenichi	<b>A13-04</b>
Goto, Yuta	<b>A08-04</b>	Ho, Cheng-Seen	<b>B03-02</b>
Goya, Koichiro	<b>B08-04</b>	Ho, Chian C.	<b>B05-05</b>
Gu, Guanghua	<b>P02-13</b>	Hochin, Teruhisa	<b>C07-01</b>
Gu, Shin-Jung	<b>A11-05</b>	Hong, Min-Cheol	<b>A03-08</b>
Gu, Yuhao	<b>B14-03</b>	Hong, Min-Cheol	<b>A03-06</b>
Guan, Shuai	<b>B11-08</b>	Hor, Maw-Kae	<b>A15-07, C06-08</b>
Gubian, Paolo	<b>A11-08</b>	Hori, Masatoshi	<b>C06-01</b>
Guo, Chengjiao	<b>B10-04</b>	Horiuchi, Yosuke	<b>B12-08</b>
Guo, Jinn-Kwei	<b>A12-02</b>	Hornng, Mong-Fong	<b>A12-01</b>
Guo, Jiun-In	<b>C01-08</b>	Hosntalab, Mohammad	<b>C06-07</b>
Guo, Shi-Ze	<b>P01-14</b>	Hou, Mengbo	<b>B04-07</b>
Guo, Yanqing	<b>B09-02</b>	Hou, Ting-Wei	<b>C03-04</b>
Guo, Yiping	<b>B09-04</b>	Hou, Ying	<b>B09-06</b>

Hsia, Shih-Chang	<b>A04-05</b>	Huang, Yu-Sheng	<b>C03-03</b>
Hsiao, Ju-Chun	<b>A06-03</b>	Hung, Kuo-Lung	<b>A11-01</b>
Hsieh, Jun-Wei	<b>B05-02</b>	Hung, Yu-Cherng	<b>B02-06, B02-07</b>
Hsieh, Ming-Hua	<b>C04-04</b>	Hwang, Chang-Min	<b>A08-01</b>
Hsieh, Ming-Huang	<b>B04-02</b>	Hwang, Joo-Yeon	<b>A03-08</b>
Hsieh, Shan-Chin	<b>A08-08, A13-07</b>	Hwang, Min-Shiang	<b>C03-07</b>
Hsieh, Wei-Che	<b>A09-08</b>	Ignatenko, Tanya	<b>B12-06</b>
Hsiesh, Kunta	<b>B03-04</b>	Iida, Masaomi	<b>D01-03</b>
Hsu, Ching-Wen	<b>A12-02</b>	Ikenaga, Takeshi	<b>C07-03, C07-04</b>
Hsu, Chuan-Chi	<b>C04-05</b>	Ikram, Muhammed	<b>B05-08</b>
Hsu, Hong-Yang	<b>A11-04, B02-08</b>	Imabeppu, Kuniaki	<b>C01-04</b>
Hsu, Kuo-Kai	<b>A05-07</b>	Ishida, Masato	<b>D01-03</b>
Hsu, Wei-Lieh	<b>A05-05, B04-06</b>	Isoda, Yuzuru	<b>B07-04</b>
Hsu, Zhe-Mao	<b>A10-06</b>	Isomura, Tsuneshi	<b>B15-06</b>
Hsueh, Sue-Chen	<b>A11-04</b>	Ito, Akinori	<b>A15-03, A15-04</b>
Hsueh, Ya-Hsin	<b>A10-03</b>	Ito, Masahiro	<b>B15-03, P02-02</b>
Hsum, Cheng-Jie	<b>B05-04</b>	Ito, Seiji	<b>B08-05</b>
Hu, Bo	<b>B14-03</b>	Ito, Shin-ichi	<b>B08-03</b>
Hu, Chia-Cheng	<b>C04-01</b>	Iwakiri, Munetoshi	<b>C01-03</b>
Hu, Wu-Chih	<b>A08-01, C02-01</b>	Iwata, Motoi	<b>C01-01</b>
Hu, Yihong	<b>P02-04</b>	Iwaya, Yukio	<b>A14-08</b>
Huang, Cai-Ren	<b>A01-05</b>	Jain, Lakhmi C.	<b>C05-05</b>
Huang, Cheng-Chun	<b>B11-06</b>	Jeng, Dah-Lih	<b>A11-02</b>
Huang, Chien-Ting	<b>B04-01</b>	Jeng, I-Horng	<b>A05-06, A05-08</b>
Huang, Chung-Lin	<b>B15-08</b>		<b>A06-06, A09-06,</b>
Huang, Deng-Yuan	<b>C02-01</b>	Jia, Kebin	<b>P01-13</b>
Huang, Guang-Hung	<b>C03-03</b>	Jia, Shijie	<b>B09-02</b>
Huang, Haibin	<b>C02-06</b>	Jian, Guo-An	<b>C01-08</b>
Huang, Hsiang-Cheh	<b>A07-02, A12-04</b>	Jian, Ru-Hao	<b>A07-03</b>
Huang, Kou-Yuan	<b>A08-08, A13-07</b>	Jiau, Hewi-Jin	<b>C03-03</b>
Huang, Po-Chang	<b>C03-02</b>	Jiau, Hewijin Christine	<b>C03-05, C03-06</b>
Huang, Shih-Yu	<b>B14-06</b>	Jinm, He	<b>A12-06</b>
Huang, Tianci	<b>B10-03, B10-04</b>	Jiqing, Han	<b>B07-08</b>
Huang, Xinyin	<b>P01-02</b>	Kadota, Ryoji	<b>C07-02</b>
Huang, Ya-Chi	<b>A12-02</b>	Kaganami, Hassana Grema	<b>B04-08, B15-04</b>
Huang, Ya-Lin	<b>A01-01</b>	Kao, Jung-Yang	<b>C02-07</b>
Huang, Yea-Shuan	<b>B05-06</b>	Kao, Shang-Juh	<b>C03-07</b>
Huang, Yueh-Min	<b>C04-01</b>	Kao, Sho-Tsung	<b>A03-03, A03-04</b>

Karabat, Cagatay	<b>A08-07, A09-07</b>	Lai, Yen-Cheng	<b>B08-07</b>
Kato, Hiroshi	<b>C05-07</b>	Lai, Yu-Wei	<b>B01-08</b>
Kau, Shih-Wei	<b>A04-07</b>	Lan, Caihui	<b>P02-03</b>
Kawabata , Naoya	<b>D01-03</b>	Lang, Rongling	<b>P02-01</b>
Kawabayashi, Hisashi	<b>C05-05, P01-02</b>	Lee, Chang-Hsing	<b>A01-03, A01-04</b>
Ke, Chih-Heng	<b>C04-03</b>	Lee, Chang-Yu	<b>B05-07</b>
Khazab, Mohammad	<b>C05-04</b>	Lee, Chia-Ming	<b>C03-03</b>
Kieu, The Duc	<b>B06-02</b>	Lee, Chia-Yin	<b>B01-09</b>
Kim, Dong-Kyoo	<b>B05-08</b>	Lee, Chih-Jen	<b>A05-06</b>
Kim, Jinwoo	<b>B03-08</b>		<b>A06-05, B04-04,</b>
Kim, Myoung-Jin	<b>A03-06</b>	Lee, Chin-Feng	<b>B11-03</b>
Kimura, Fuminori	<b>B07-01</b>	Lee, Chung-Hong	<b>B03-06</b>
Kitayama, Kouki	<b>B08-04</b>	Lee, Hung-Peng	<b>B03-04</b>
Knapkog, Svein J.	<b>A09-04</b>	Lee, Jia-Hong	<b>C04-05</b>
Kobayashi, Maori	<b>A14-08</b>		<b>A03-01, A03-03,</b>
Koh, Jong-bin	<b>B05-08</b>	Lee, Jiann-Shu	<b>A03-04</b>
Kojima, Mamoru	<b>C07-01</b>	Lee, Ming Lun	<b>C03-05</b>
Kondo, Kazuhiro	<b>C01-05</b>	Lee, Narn-Yih	<b>B01-04</b>
Kong, Lingfu	<b>P02-15</b>	Lee, Po-Chen	<b>B06-04</b>
	<b>B09-02, B09-04,</b>		<b>A04-06, A04-07,</b>
Kong, Xiangwei	<b>B09-05</b>	Lee, Tsair-Fwu	<b>B05-07</b>
Kosaka, Yoshihiro	<b>B07-04</b>	Lee, Tzu-Yi	<b>B01-04</b>
Kuan, Chi-Ming	<b>A07-01</b>	Lee, Wei-Bin	<b>B01-09</b>
Kuang, Zhufang	<b>P02-06</b>	Lee, Wei-Bin	<b>B11-05</b>
Kuijper, Arjan	<b>A09-03</b>		<b>C03-01, C03-02,</b>
Kuo, Chen-Tsung	<b>A08-02</b>	Lee, Wei-Tsong	<b>C04-06</b>
Kuo, Chun-I	<b>C04-03</b>	Lee, Wen-Chia	<b>C02-03</b>
Kuo, Hsiao-Chen	<b>A03-03</b>	Lee, Yao-Sheng	<b>B11-01</b>
Kuo, Min-Ming	<b>B02-07</b>	Lee, Yeuan-Kuen	<b>B14-06</b>
Kuo, Wen-Chung	<b>C03-07</b>	Lee, Yi-Chun	<b>A03-02</b>
Kuo, Yi-Li	<b>C02-02</b>	Lei, Yan-Qiang	<b>C01-07</b>
Kuo, Yung-Lung	<b>A03-04</b>	Leu, Jia-Guu	<b>B06-04</b>
Kuribayashi, Minoru	<b>C05-07</b>	Li, Bin	<b>B09-05, C02-08</b>
Kuriyama, Shigeru	<b>A03-07</b>	Li, Chin-Hao	<b>B02-05</b>
Kwon, Taeck-Geun	<b>A07-07</b>	Li, Heng	<b>P02-05</b>
Lai, Chin-Feng	<b>C04-01</b>	Li, Jun-Bao	<b>P01-14</b>
Lai, Chin-Lun	<b>A06-08</b>	Li, Lung-Tsai	<b>B02-04, B02-05</b>
Lai, Wei Kuang	<b>A12-05</b>	Li, Miao	<b>B07-08</b>

Li, Ming-Chu	<b>B06-01, B06-02</b>	Lin, Kuo-Wei	<b>A03-05</b>
Li, Qingyong	<b>B13-07</b>	Lin, Lei	<b>A15-06</b>
Li, Qiong	<b>A07-06, B11-08</b>	Lin, Li	<b>P02-15</b>
Li, Shing-Han	<b>A05-01</b>	Lin, Ming-Yen	<b>A11-04</b>
Li, Te	<b>C02-06</b>	Lin, Qing	<b>B14-03</b>
Li, Weiping	<b>B13-02</b>	Lin, Shinfeng D.	<b>B06-06</b>
	<b>A01-08, A08-05,</b>	Lin, Sian-Jheng	<b>B14-08</b>
Li, Xiaolong	<b>B08-08, B15-07</b>	Lin, Yang-Chiuan	<b>A10-04</b>
Li, Xiaoqiang	<b>C07-08</b>	Lin, Yi-Long	<b>C02-05</b>
Li, Ya-Chun	<b>C04-06</b>	Lin, Yu-Dun	<b>B05-04</b>
Li, Yi-Fang	<b>C03-04</b>	Lin, Yue-Hsun	<b>B07-07</b>
Li, Yi-Jing	<b>A12-02</b>	Lin, Yue-Rong	<b>B01-06</b>
Li, Yi-Ju	<b>B03-06</b>	Lin, Yung-Yi	<b>B14-06</b>
Li, Yu-Chiang	<b>B04-01, B04-05</b>	Lin, Yu-Wen	<b>A07-01</b>
Li, Zhixin	<b>B09-07</b>	Ling, Jie	<b>P02-09</b>
Liao, Bin-Yih	<b>P02-16</b>	Liu, Bao-Hui	<b>B11-07</b>
Liao, Li-Chu	<b>A11-05</b>	Liu, Ching-Chung	<b>B06-05</b>
Lien, Brian K.	<b>B13-04</b>	Liu, Chung-Hsin	<b>A05-03, A05-04</b>
Lien, Cheng-Chang	<b>A01-01</b>	Liu, Fenlin	<b>P01-05</b>
Lin, Cheng-Liang	<b>C03-04</b>	Liu, Gu	<b>C07-08</b>
Lin, Chen-Lun	<b>B10-05</b>	Liu, Jin-Bao	<b>B11-07</b>
Lin, Chia-Chen	<b>A06-04, A11-03</b>		<b>P02-07, P02-08,</b>
Lin, Chia-Li	<b>B01-07</b>	Liu, Ju	<b>P02-09, P02-10</b>
Lin, Chien-Hua	<b>A10-02, A12-05</b>	Liu, Min-Hao	<b>A07-05</b>
Lin, Chih-Hung	<b>B04-01, B04-05</b>	Liu, Pengyu	<b>A06-06</b>
Lin, Chi-Nan	<b>B11-05</b>	Liu, Wei-Cheng	<b>B05-06</b>
Lin, Chin-Yang	<b>C03-04</b>	Liu, Wenqi	<b>B09-07</b>
Lin, Huang-Ching	<b>A06-05</b>	Liu, Xianxi	<b>P01-09</b>
Lin, Hung-Wei	<b>C03-01</b>	Liu, Yongge	<b>P01-10</b>
Lin, Hung-Yi	<b>B09-08</b>	Liu, Zhaoqing	<b>B11-08</b>
Lin, Hwai-San	<b>A01-04</b>	Liu, Zhengguang	<b>A12-03</b>
Lin, Jason	<b>B11-05</b>	Lo, Hsiang-Fu	<b>C03-02</b>
Lin, Jia-Jun	<b>P01-11</b>	Lodrová, Dana	<b>A09-01</b>
Lin, Jim-Min	<b>C03-01</b>	Lou, Der-Chyuan	<b>A11-02</b>
Lin, Joey	<b>A05-02</b>	Lu, Ching-Hsi	<b>B02-08</b>
Lin, Jun-Jie	<b>A10-01</b>	Lu, Chun-Lin	<b>A12-02</b>
Lin, Kawuu W.	<b>C04-04</b>	Lu, Congde	<b>A15-06</b>
Lin, Kuan-Yi	<b>B05-01</b>	Lu, Fu-Jiun	<b>A12-02</b>



Lu, Hai-Ming	<b>P01-07</b>	Mjaaland, Bendik B.	<b>A09-04</b>
Lu, Huchuan	<b>B09-01</b>	Modegi, Toshio	<b>A15-05</b>
Lu, Hui	<b>P02-01</b>	Mofrad, Farshid Babapour	<b>C06-02</b>
Lu, Su-Ju	<b>A05-02</b>	Moin, M. Shahram	<b>B03-07, B13-06</b>
Lu, Tzu-Chuen	<b>B11-06</b>	Moosavinia, Amir	<b>B10-07</b>
Lu, Weitao	<b>B13-07</b>	Morii, Masakatu	<b>C05-07</b>
Lu, Wei-Ting	<b>A04-07</b>	Mueller, Robert	<b>A14-02</b>
Lu, Yifeng	<b>A01-08, B08-08</b>	Murata Harumi	<b>C01-01</b>
Lu, Ying	<b>C07-03</b>	Nagayama, Itaru	<b>B08-04</b>
Lu, Zhe-Ming	<b>P01-12</b>	Nakajima, Hideo	<b>C06-03</b>
Luo, Hao	<b>P01-12</b>	Nakajima, Mao	<b>A12-07</b>
Lv, Xiuli	<b>A08-03</b>	Nakajima, Shigeyoshi	<b>A13-01, A13-02</b>
Lv, Zhuoyi	<b>P01-13</b>	Nakajima, Yukiko	<b>B15-03</b>
Ma, Honglian	<b>B09-03</b>	Nakamichi, Tomohiro	<b>C06-04</b>
Ma, Jiachen	<b>B14-01</b>	Nakamura, Kazuki	<b>A10-07, B06-07</b>
Ma, Kai-Kuang	<b>A12-03, C02-08</b>	Nakamura, Kenji	<b>A13-01</b>
Ma, Liyong	<b>B14-01, B14-02</b>	Nakamura, Tsukasa	<b>B08-03</b>
Ma, Siwei	<b>A11-06, A11-07</b>	Nakamura, Yoshihiro	<b>B08-01</b>
Ma, Xiu-ying	<b>P01-11</b>	Nakamura, Yukihiko	<b>B10-02</b>
Ma, Yi-Wei	<b>C04-01</b>	Nakanishi, Hideya	<b>C07-01</b>
Maeda, Akira	<b>B07-01</b>	Nakano, Mariko	<b>C01-06</b>
Makino, Shozo	<b>A15-04</b>	Nakashima, Takuo	<b>A04-03</b>
Manabe, Hirokazu	<b>A02-01</b>	Nakata, Susumu	<b>B07-04, C06-03</b>
Mao, Gang-Zeng	<b>C06-08</b>	Nakayama, Shinta	<b>A02-04</b>
Matsuda, Yasuhiro	<b>B15-06</b>	Namihira, Yoshinori	<b>C07-04</b>
Matsuno, Tomokazu	<b>B10-06</b>	Nan, Ding	<b>B09-03</b>
Matsuoka, Tsuyoshi	<b>B07-05</b>	Nickel, Claudia	<b>A09-02</b>
Meng, Fanjie	<b>B09-04</b>	Nie, Xiushan	<b>P02-10, P02-11</b>
Meng, Hsiang-Cheng	<b>B06-06</b>	Nishikawa, Ikuko	<b>B15-03, P02-02</b>
Miao, Zhen-Jiang	<b>P02-12</b>	Nishimura, Akira	<b>A15-01</b>
Miiuller, Giiunter	<b>A02-06</b>	Nishimura, Hiroaki	<b>C07-03</b>
Mimori, Aya	<b>C07-05</b>	Nishimura, Ryouichi	<b>B12-07</b>
	<b>B08-02, B08-03,</b>	Nishino, Yoshinori	<b>B06-07</b>
Mitsukura, Yasue	<b>B08-06</b>	Nishiura, Takanobu	<b>D01-03</b>
Mitsumoto, Hiroshi	<b>A07-08</b>	Niu, Xiamu	<b>A14-03, P01-03</b>
Miyamoto, Ryusuke	<b>B10-01, B10-02</b>	Niu, Xia-Mu	<b>A07-06, B11-07</b>
Miyatake, Shuhei	<b>A13-03</b>	Niu, Xinxin	<b>B06-08</b>
Mizuno-Matsumoto, Yuko	<b>A10-07</b>	Nomiya, Hiroki	<b>C07-01</b>

Nomura, Kazuyoshi	<b>B12-03</b>	RavanJamjah, Javad	<b>A14-06</b>
Nozaki, Shinya	<b>C07-03, C07-04</b>	Ravi, S.	<b>B10-08</b>
Ochi, Hiroyuki	<b>B10-02</b>	Razzazi, Farbod	<b>B13-06</b>
Oda, Junichi	<b>B07-03</b>	Ren, Guang-Ruei	<b>B04-03</b>
Ogiela, Marek R.	<b>P01-06</b>	Ru, Zhang	<b>B06-08</b>
Ogiela, Urszula	<b>P01-06</b>	Ruan, Xiang	<b>D01-01</b>
Ogihara, Akio	<b>C01-01</b>	Sakakibara, Kazutoshi	<b>B15-03</b>
Oguro, Yoshinari	<b>B08-05</b>	Sakata, Mamiko	<b>B12-04</b>
Okazaki, Kozo	<b>B03-08, B06-07</b>	Samborski, Rafał	<b>C05-08</b>
Okumura, Kentarou	<b>A04-01</b>	Sasaki, Ryoichi	<b>A02-01</b>
Ono, Takatoshi	<b>B12-05</b>	Sasama, Toshihiko	<b>A07-08</b>
Oshima, Shunsuke	<b>A04-03</b>	Sasamoto, Tomohiro	<b>A02-01</b>
Oshima, Yasuyuki	<b>B10-05</b>	Sato, Yoshinobu	<b>C06-01, C06-02</b>
Otani, Makoto	<b>A14-08</b>	Sato, Yoshinori	<b>A02-03</b>
Otori, Hirofumi	<b>A03-07</b>	Savoldi, Antonio	<b>A11-08</b>
Ou, C.R.	<b>B01-02</b>	Sawai, Masakazu	<b>B07-04</b>
Ou, Chung-Ming	<b>B01-02</b>	Sekiguchi, Hiroyuki	<b>B12-02</b>
Pai, Pei-Yan	<b>A11-03</b>	Seo, Masataka	<b>C05-04</b>
Pan, Jeng-Shyang	<b>A12-01</b>	Setokawa, Hiroto	<b>B08-03</b>
Parviz, Mehdi	<b>B03-07</b>	Seyedhosseini, Mojtaba	<b>C07-07</b>
Patsakis, Constantinos	<b>C07-06</b>	Shen, Jau-Ji	<b>A06-02, B11-03</b>
Peng, Xiyuan	<b>B11-08</b>	Shen, Yi	<b>B14-04, P01-04</b>
Ponomar, Marina	<b>P01-15</b>	Sheu, Ming-hwa	<b>A10-01</b>
Qi, Wenfa	<b>B15-07</b>	Shiba, Masahito	<b>B07-06</b>
Qian, Zhenxing	<b>B06-03</b>	Shieh, Ce-Kuen	<b>C04-03</b>
Qian, Zongjue	<b>P02-04</b>	Shieh, Chin-Shiuh	<b>A12-05</b>
Qiao, Jianping	<b>P02-08</b>	Shieh, Shao-Hui	<b>B02-06, B02-07</b>
Qiao, Yu-Long	<b>P01-01</b>	Shih, Hao-Chung	<b>B05-05</b>
Qin, Fenglin	<b>P02-07</b>	Shih, Jau-Ling	<b>A01-03, A01-04</b>
Qiu, Jingbang	<b>B10-03, B10-04</b>	Shimada, Kyohei	<b>B06-07</b>
Qiu, Zhi-Long	<b>B11-07</b>	Shimosakon, Takio	<b>B06-07</b>
Qu, Zhiguo	<b>B06-08</b>	Shiozaki, Akira	<b>C01-01</b>
Quan, Xinghui	<b>A08-03</b>	Shiraga, Hiroyuki	<b>C07-02</b>
Rahardja, Susanto	<b>C02-06</b>	Shirani, Gholamreza	<b>C06-07</b>
Raj, Cyril Prasanna	<b>B10-08</b>	Shou, Guochu	<b>P02-04</b>
Rao, Pachara V.	<b>B10-08</b>	Shu, Chan-Ting	<b>B11-02</b>
Raul, Martinez-Noriega	<b>C01-06</b>	Shu, Haiyan	<b>C02-06</b>
Raul, Sanchez-Reillo	<b>A14-02</b>	Shyu, Shyong-Jian	<b>B14-06</b>

Siang-Ru Liao	<b>B11-06</b>	Takimoto, Hironori	<b>B08-02, B08-06</b>
Soga, Asako	<b>B07-05</b>	Takizawa, Osamu	<b>C01-02</b>
Soliman, M. Sami	<b>B04-08</b>		<b>A07-08, A10-07,</b>
Sonehara, Noboru	<b>A02-06</b>	Tamura, Shinichi	<b>B03-08, B06-07</b>
Song, Chun-Yan	<b>P01-01</b>	Tan, Guozhen	<b>B09-03</b>
Song, Young-Ho	<b>A07-07</b>	Tanaka, Hiromi T.	<b>B12-03</b>
Sonoda, Kotaro	<b>C01-02</b>		<b>A04-02, B07-04,</b>
Sookhanaphibarn, Kingkarn	<b>B07-02</b>	Tanaka, Satoshi	<b>C06-03</b>
Ssu, Kuo-Feng	<b>C03-06</b>	Tang, Cheng-Yuan	<b>A15-07, C06-08</b>
Su, Chih-Jung	<b>B11-02</b>		<b>A01-07, B04-07,</b>
Su, Ching-lung	<b>A10-01</b>	Tao, Ban	<b>B13-05</b>
Su, Chun-Rong	<b>A15-08</b>	Tao, Caixia	<b>B15-01, B15-02</b>
Su, Peng	<b>A05-06</b>	Tao, Zhang	<b>P02-14</b>
Su, Po-Chyi	<b>A13-08, B05-03</b>	Tateyama, Tomoko	<b>C05-02</b>
Su, Qingtang	<b>P01-09</b>	Terada, Toshihiko	<b>B10-05</b>
Su, Wen-Chien	<b>A10-06</b>	Thawonmas, Ruck	<b>B07-02, B07-03</b>
Sueyoshi, Toshinori	<b>A04-03</b>	Tin, Pyke	<b>A13-05, A13-06</b>
Sugano, Hiroki	<b>B10-01, B10-02</b>	Ting, Kuang-Li	<b>B01-01</b>
Sugimoto, Kana	<b>A13-02</b>	Tran, Minh-Triet	<b>A02-05</b>
Sun, Hung-Min	<b>B07-07, B11-04</b>	Tsai, Chang-Lung	<b>A05-05, B04-06</b>
Sun, Jiande	<b>P02-10</b>	Tsai, Cheng-Nan	<b>A04-07</b>
Sun, Mingjian	<b>B14-01</b>	Tsai, Chin-Fu	<b>B02-04, B02-05</b>
Sun, Ning-Ping	<b>A04-01, A04-02</b>	Tsai, Chung-Chi	<b>B05-03</b>
Sun, Wen-Ling	<b>A04-01, A04-02</b>	Tsai, Dwen-Ren	<b>A05-07, A05-08</b>
Sun, Xiangfei	<b>B13-05</b>	Tsai, Hsiu Fen	<b>B02-02</b>
Sun, Yi	<b>B09-06</b>	Tsai, Jer-Min	<b>A01-06, A04-04</b>
Sun, Yude	<b>B14-02</b>	Tsai, Kuen-Horng	<b>A03-01</b>
Sun, Zhaowan	<b>P02-09</b>	Tsai, Ming-Fong	<b>C04-03</b>
Susaki, Seiichi	<b>A02-03</b>	Tsai, Piyu	<b>B04-01</b>
Suzuki, Yôiti	<b>A14-08, A15-03</b>	Tsai, Shang-Rong	<b>C03-03</b>
Tabrizi, Pooneh. R.	<b>C06-05</b>	Tsai, Wei-Ho	<b>A09-08</b>
Tai, Yuan-Liang	<b>C03-03</b>	Tsai, Wen-kai	<b>A10-01</b>
Takahashi, Hideya	<b>A13-03</b>	Tsai, Yuan-Fan	<b>A05-02</b>
Takahashi, Yoshiyasu	<b>A02-03</b>	Tsay, Kai-En	<b>A15-07</b>
Takano, Tomoaki	<b>B10-05</b>	Tsay, Yih Cheng	<b>A11-01</b>
	<b>A13-01, A13-02,</b>	Tseng, Bin-Chyi	<b>A11-05</b>
Takashi, Toriu	<b>A13-04, A13-06</b>	Tseng, Chun-Chieh	<b>P02-16</b>
Taketani, Hisashi	<b>B03-08</b>	Tseng, Ping-Chang	<b>B11-02</b>

Tseng, Shau-Yin	<b>A10-01, A10-06</b>	Wang, Lei	<b>B02-08</b>
Tseng, Vincent S.	<b>C04-04</b>	Wang, Luke K.	<b>A08-08, A13-07</b>
Tseng, Wen-Yu	<b>B05-04</b>	Wang, Pang-Chieh	<b>C03-04</b>
Tso, Hao-Kuan	<b>A11-02</b>	Wang, Qiang	<b>P01-04</b>
Tsukamoto, Akihiro	<b>B07-04</b>	Wang, Ran-Zan	<b>B14-06</b>
Tu, Ching-Ming	<b>B02-03</b>	Wang, Rong-Long	<b>B03-08</b>
Tu, Jih-Sheng	<b>C02-07</b>	Wang, Shiuh-Jeng	<b>B11-04</b>
Tung, Chiou-Kou	<b>B02-06, B02-07</b>	Wang, Shuozhong	<b>B06-03</b>
Tweedale, Jeff	<b>C05-04</b>	Wang, Szu-Hong	<b>A04-05</b>
Txia, Jun-Da	<b>B15-08</b>	Wang, Weilan	<b>A06-07</b>
Tzeng, Jengnan	<b>A01-06</b>	Wang, Xianqing	<b>P02-10</b>
Tzeng, Jen-Gnan	<b>A04-04</b>	Wang, Xiaojing	<b>B09-01</b>
Uchida, Osamu	<b>A08-04, B12-08</b>	Wang, Yanan	<b>P01-03</b>
Ueda, Tatsuki	<b>B10-03, B10-04</b>	Wang, Yuan-Gen	<b>C01-07</b>
Unoki, Masashi	<b>C01-04</b>	Wang, Yuan-Kai	<b>A01-05</b>
Wakamiya, Sayaka	<b>B12-04</b>	Wang, Zhe	<b>B09-05</b>
Wan, Li-Li	<b>P02-12</b>	Wang, Zhifang	<b>A14-03</b>
Wan, Rong Long	<b>B06-07</b>	Wang, Zhi-Hui	<b>B06-01, B06-02</b>
Wan, Wen Bo	<b>P02-11</b>	Watanabe, Minoru	<b>A12-07</b>
Wan, Xianqing	<b>P02-11</b>	Weng, Chi-Yao	<b>B11-04</b>
	<b>A14-07, B13-03,</b>	Weng, Mu-Lung	<b>A12-05</b>
Wang, Aiming	<b>C03-08</b>	Wenxue, Hong	<b>P02-14</b>
Wang, Bo	<b>B09-04</b>	Willems, Frans	<b>B12-06</b>
Wang, Caifen	<b>P02-03</b>	Wohlgemuth, Sven	<b>A02-06</b>
Wang, Chang-Yu	<b>B05-07</b>	Wolthusen, Stephen D.	<b>A09-03, A14-04</b>
Wang, Chuen-Ching	<b>C04-07</b>	Wong, Dominic	<b>B03-01</b>
Wang, Chuin-Mu	<b>B02-01</b>	Wu, Chia-Chun	<b>C03-07</b>
Wang, Chun-Xing	<b>P02-11</b>	Wu, Chien-Chang	<b>A08-08</b>
Wang, Chu-Zheng	<b>P02-02</b>	Wu, Chih-Hong	<b>B03-06</b>
Wang, Da-Jinn	<b>C02-05</b>	Wu, Ching-Yu	<b>A13-08, B05-03</b>
Wang, Hao	<b>A01-07</b>	Wu, Chin-Song	<b>B05-03, B05-05</b>
Wang, Hong-Xia	<b>P01-08</b>	Wu, Chung-Min	<b>A05-04</b>
Wang, Hsueh-Wu	<b>A05-02</b>	Wu, Da-Chun	<b>A08-02</b>
Wang, Hung-Jen	<b>A07-03</b>	Wu, Di	<b>P01-03</b>
Wang, Hung-Yu	<b>A10-04</b>	Wu, Guan-Wei	<b>C04-02</b>
Wang, Jian	<b>B14-05</b>	Wu, Hsin-Lung	<b>B01-03</b>
Wang, Jinjia	<b>P02-14</b>	Wu, Jia-Chiuan	<b>A06-02</b>
Wang, Kuo-Chung	<b>A05-01</b>	Wu, Jia-Hao	<b>P02-16</b>

Wu, Jui-Chen	<b>B05-02</b>	Yang, Guogui	<b>P02-06</b>
Wu, Mei-Yi	<b>C04-05</b>	Yang, Yixian	<b>B06-08</b>
Wu, Ming-Ju	<b>B02-01</b>		<b>A01-08, A08-05,</b>
Wu, Ming-Ni	<b>B04-05</b>	Yang, Bin	<b>B08-08, B15-07</b>
Wu, Mu-En	<b>B07-07</b>	Yang, Cheng-Kai	<b>C03-04</b>
Wu, Qinxia	<b>B13-02</b>	Yang, Cheng-Ta	<b>B07-07</b>
Wu, Tin-Yu	<b>C03-02, C04-06</b>	Yang, Ching-Yu	<b>A08-01</b>
Wu, Tzong-Chen	<b>A06-01</b>	Yang, Chou-Chen	<b>A06-03</b>
Wu, Wei-Chen	<b>B01-05</b>	Yang, Chunfang	<b>P01-05</b>
Wu, Wei-Hsien	<b>A05-02</b>	Yang, Chung-Huang	<b>B01-01</b>
Wu, Wen-Chuan	<b>B04-03</b>	Yang, Fan	<b>B09-01</b>
Wu, Xing	<b>C05-03</b>	Yang, Feng-Pu	<b>C03-06</b>
Wu, Yan-Ting	<b>B01-06</b>	Yang, Hsin-Chang	<b>B03-06</b>
Wu, Yi-Leh	<b>A15-07, C06-08</b>	Yang, Huei-Yu	<b>C04-06</b>
Xi, Qi	<b>C05-03</b>	Yang, Hung-Wen	<b>A06-03</b>
Xiao, Bo	<b>B14-03</b>	Yang, Jen-Kuei	<b>A10-06</b>
	<b>A14-07, B13-02,</b>	Yang, Jianhua	<b>B09-07</b>
Xiao, Yi Yu	<b>B13-03, C03-08</b>	Yang, Qin	<b>A15-06</b>
Xu, Aibing	<b>P01-02</b>	Yang, Shun-Sheng	<b>B04-05</b>
Xu, Gang	<b>C06-04</b>	Yang, Tai-Ning	<b>A05-06</b>
Xu, Guang	<b>C07-08</b>	Yang, Tao	<b>B13-08</b>
Xu, Hongbing	<b>B14-04</b>	Yang, Xiaodong	<b>P02-03</b>
Xu, Hongli	<b>B13-08</b>	Yang, Yun	<b>B13-01</b>
Xu, Mu	<b>C07-08</b>	Yang, Zhi-Fang	<b>B06-04, B11-02</b>
	<b>A01-07, B04-07,</b>	Yanqiang, Ge	<b>P01-10</b>
Xu, Qiuliang	<b>B13-05</b>	Yao, Ping	<b>C07-08</b>
Xu, Rui	<b>D01-02</b>	Ye, Mao	<b>P01-05</b>
Xu, Xinyu	<b>A12-06</b>	Yeh, Chia-Hung	<b>B05-04</b>
Yairi, Satoshi	<b>A14-08</b>	Yeh, Hsiu-Lien	<b>B04-01</b>
Yamada, Akihiko	<b>D01-02</b>	Yeh, Jen-Chieh	<b>A10-06</b>
Yamada, Kenji	<b>A13-03</b>	Yen, Wen-Chien	<b>C04-08</b>
Yamada, Takaaki	<b>A02-03</b>	Yen, Yi-Chun	<b>A05-08</b>
Yamaguchi, Kazuhiko	<b>C01-06</b>	Yin, Xin	<b>B12-03</b>
Yamakawa, Yuta	<b>A02-01</b>	Yoneda, Kazuyo	<b>A07-08, B06-07</b>
Yamamoto, Kotaro	<b>C01-03</b>	Yoshida, Maki	<b>A02-02</b>
Yamauchi, Hironori	<b>B10-05</b>	Yoshimori, Seiki	<b>B08-06</b>
Yamauchi, Yoshihiro	<b>C07-01</b>	Yoshiura, Hiroshi	<b>A02-04</b>
Yan, Huang	<b>A12-06</b>	Young, Ming-Shing	<b>B02-04, B02-05</b>

Yu, Bo	<b>A08-03</b>	Zou, Bei	<b>B04-08, B15-04</b>
Yu, Cheng-Yi	<b>B02-01</b>	Zou, Jianxiao	<b>B14-04</b>
Yu, Fu	<b>B06-08</b>		
Yu, Long-Jiang	<b>P01-14</b>		
Zahir-Azami, Bahram	<b>A14-06</b>		
Zeng, Xiangyan	<b>B15-01, B15-02</b>		
Zhang, Bo	<b>P01-04</b>		
Zhang, Boyang	<b>P02-08</b>		
Zhang, Hui	<b>P01-03</b>		
Zhang, Jian	<b>P02-04</b>		
Zhang, Jiang Qiu	<b>B14-05</b>		
Zhang, Miao	<b>P01-04</b>		
Zhang, Nan	<b>A11-06, A11-07</b>		
Zhang, Shensheng	<b>C05-03</b>		
Zhang, Steve	<b>P01-09</b>		
Zhang, Wenling	<b>B09-01</b>		
Zhang, Xiaoxue	<b>B08-04</b>		
Zhang, Xinpeng	<b>B06-03</b>		
Zhang, Yan	<b>P01-02</b>		
Zhao, Yao	<b>P02-13</b>		
Zhao, Zhenfei	<b>P01-12</b>		
Zheng, Guibin	<b>B07-08</b>		
Zheng, Lina	<b>P02-07</b>		
Zheng, Liu	<b>B14-02</b>		
Zheng, Tieran	<b>B07-08</b>		
Zhong, Jiayong	<b>C07-02</b>		
Zhong, YanChun	<b>P02-05</b>		
Zhou, Hui	<b>B11-07</b>		
Zhou, Lin-Na	<b>A07-05</b>		
Zhou, Xuebing	<b>A09-02, A09-03</b>		
Zhu, Xinshan	<b>B13-01</b>		
Zhu, Zhenfeng	<b>P02-13</b>		
Zin, Thi Thi	<b>A13-05, A13-06</b>		
Ziólko, Bartosz	<b>C05-08</b>		
Ziólko, Mariusz	<b>A14-05, C05-08</b>		
	<b>C06-01, C06-02,</b>		
	<b>C06-05, C06-06,</b>		
Zoroofi, Reza Aghaeizadeh	<b>C06-07</b>		