

# 第二十三屆電腦視覺、圖學暨影像處理研討會

## 大會議程表

8 月 15 日(星期日)						
時間	議程內容					
13 : 00   13 : 30	CVGIP2010 與 IPPR 學會會員大會報到(蓮潭會館會議中心 R102)					
13 : 30   15 : 30	<u>Session-A1</u> Image/Video Coding And Compression(I) R101	<u>Session-B1</u> Image Analysis and Enhancement(I) R103	<u>Session-C1</u> Pattern Recognition(I) R301	<u>Session-D1</u> Systems And Applications R302	<u>Session-E1</u> Face Analysis And Content-based Retrieval R201	<u>Session-F1</u> Multimedia Application R203
15 : 30   16 : 00	茶敘					
16 : 00   18 : 00	<u>Session-A2</u> Image Processing And Filtering R101	<u>Session-B2</u> Image Processing for Transportation (I) R103	<u>Session-C2</u> Filtering And Face Analysis R301	<u>Session-D2</u> Object Segmentation And Image Calibration(I) R302	<u>Session-E2</u> Image Processing And Watermarking R201	<u>Session-F2</u> Object Segmentation And Image Calibration (II) R203
18 : 20   20 : 30	晚餐(1F 荷漾西餐廳)					

## 8 月 16 日(星期一)

時間	議程內容					
09 : 00   09 : 40	CVGIP2010 開幕典禮暨 IPPR 學會會員大會 (B1 國際廳)					
09 : 40   10 : 40	專題演講(一)：芮勇 博士(微軟亞洲工程院總監) 主持人：林嘉文 教授 演講主題：History of Image Search (B1 國際廳)					
10 : 40   11 : 00	茶敘					
11 : 00   12 : 00	專題演講(二)：吳家麟 教授(台灣大學資工系及網媒所) 主持人：陳祝嵩 研究員 演講主題：The Interaction between Media Computing and Social Computing (B1 國際廳)					
12 : 00   13 : 20	午餐(花園餐廳)					
13 : 20   15 : 40	<u>Session-A3</u> IPPR 年度最佳博 士論文發表 由田新技 MVP 競 賽優勝作品發表 R101	<u>Session-B3</u> Image Analysis and Enhancement(II) R103	<u>Session-C3</u> Object Detection And Tracking(I) R301	<u>Session-D3</u> Video Processing And Surveillance R302	<u>Session-E3</u> Image/Video Compression and Enhancement R106	<u>Session-F3</u> 海報及作品展 示 R102
15 : 40   15 : 50	茶敘					
15 : 50   18 : 10	<u>Session-A4</u> Image/Video Coding And Compression(II) R101	<u>Session-B4</u> Image Processing R103	<u>Session-C4</u> Object Detection And Tracking(II) R301	<u>Session-D4</u> Motion Recognition And Analysis R302	<u>Session-E4</u> Applications And 3D Reconstruction R106	<u>Session-F4</u> 海報及作品展 示 R102
18 : 20   21 : 30	晚宴(B1 國際廳) CVGIP2011 說明會					

8月17日(星期二)

時間	議程內容					
08 : 30   10 : 10	<u>Session-A5</u> Image Processing for Transportation (II) R101	<u>Session-B5</u> Image Analysis And Enhancement (III) R103	<u>Session-C5</u> Pattern Recognition(II) R301	<u>Session-D5</u> 3D Reconstruction And Surveillance R302	<u>Session-E5</u> Watermarking and Information Hiding R403	<u>Session-F5</u> 海報及作品展示 R102
10 : 10   10 : 15	茶敘					
10 : 15   12 : 35	<u>Session-A6</u> Intelligent Human-Machine Interactions for Digital Life R101	<u>Session-B6</u> Content-Based Video Processing R103	<u>Session-C6</u> Image Processing for Medical Applications R301	<u>Session-D6</u> Transportation And Vehicle Imaging Systems R302	<u>Session-E6</u> Face Analysis And Recognition R403	<u>Session-F6</u> 海報及作品展示 R102
12 : 35   13 : 30	午餐(1F 荷漾西餐廳)					
13 : 30   18 : 00	發現城市之美-高雄半日遊					
18:00	賦歸					

## 論文發表場次

### **Session-A1: Image/Video Coding and Compression (I)**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R101**

#### **A1-1 Context-Based Adaptive Zigzag Scanning for Image Coding**

Wei-Yi Wei, Hsin-Hui Chen, Jian-Jiun Ding

#### **A1-2 Improved Advanced Image Coding Based on DC Intra Prediction Mode**

Wei-Yi Wei, Hsin-Hui Chen, Jian-Jiun Ding

#### **A1-3 An Improved Phase Span Search Strategy for Fractal Image Coding**

Ming-Sheng Wu (吳敏生)

#### **A1-4 Fast Mode Decision Algorithm by Using Inter-View Rate-Distortion Prediction for Multi-View Video Coding**

Ming-Feng Li (李明峰), Mei-Juan Chen (陳美娟), Ming-Chieh Chi (紀明傑)

#### **A1-5 Efficient Region-of-Interest Based H.264/AVC Video Bit-Rate Transcoding**

Shu-Fen Huang (黃淑芬), Mei-Juan Chen (陳美娟), Ming-Chieh Chi (紀明傑)

#### **A1-6 Parallelized H.264-SVC Transcoder with Slice Partition for Video Conference**

Chih-Yuen Chang, Chun-Yuan Kuan, Chien-Ya Hung, Chang-Ming Lee

**Session-B1: Image Analysis and Enhancement (I)**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R103**

**B1-1 Hardware-Efficient Image Enhancement with Bilateral Tone Adjustment**

Wei-Ming Ke, Ching-Te Chiu

**B1-2 Combining Signature Method and Linear Filtering for Convex Polygon  
Detection in Slanted Images**

Chia-Pin Tseng (曾佳彬), Kai-Tse Wang (王凱澤), Ming-Chang Wu (吳明璋),  
Chun-Shun Tseng (曾俊舜), Jung-Hua Wang (王榮華)

**B1-3 Relaxation of the 2-D Map Global Registration Error**

Yao-Tung Chuang, Sheng-Wen Shih

**B1-4 Image-to-Physical Registration Using Nature Features and WAP-ICP**

Hui-Yuan Hsieh, Chung-Hsien Huang, Jiann-Der Lee, Shih-Tseng Lee

**B1-5 Research of Adaptive Local Contrast Enhancement**

Ching-Tang Hsieh (謝景棠), Hsieh-Chang Huang (黃謝璋),  
Johnny Tang (湯克中)

**B1-6 Preferred Photo Color Correction Based on the Probability Density of Key  
Memory Colors**

Pei-Li Sun (孫沛立), Chi-Neng Huang (黃祺能)

**Session-C1: Pattern Recognition (I)**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R301**

**C1-1 An Improved User Authentication System with Integrated Recognition**

**Methods of Global and Local Handwriting Modalities Authors**

Shao-Ming Tsai (蔡紹明), Rong-Chin Lo (駱榮欽)

**C1-2 A Detailed Comparison on Som-based Dimensionality Reduction Methods  
for Nearest Neighbor Classifiers**

Jiunn-Lin Wu (吳俊霖), I-Jing Li (李怡靜)

**C1-3 Halftone Image Classification Using LMS Algorithm and Naïve Bayes**

Yun-Fu Liu (劉雲夫), Jing-Ming Guo (郭景明)

**C1-4 Fingerprint Classification Based on Decision Tree from Singular Points and  
Orientation Field**

Jing-Ming Guo (郭景明), Yun-Fu Liu (劉雲夫), Jia-Yu Chang (張嘉裕),  
Chih-Hung Yang (楊志鴻)

**C1-5 Contact-Free Hand Geometry Identification System Using Infrared  
Illumination**

Jing -Ming Guo (郭景明 ), Yun -Fu Liu(劉雲夫 ), Mei-Hui Chu(朱美惠),  
Chia-Chu Wu(吳嘉哲), Thanh-Nam Le

**C1-6 Automatic Lips Recognition System Using Edge Detection and Color  
Mapping Methods**

Jing-Ming Guo (郭景明), Yun-Fu Liu (劉雲夫), Chao-Yu Lin (林昭宇),  
Wen-Jan Lin (林文仁), and Thanh-Nam Le

## **Session-D1: Systems and Applications**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R302**

### **D1-1 Single-pixel Camera Compatible Distributed Compressive Video Sensing VIA Dictionary Learning**

Hung-Wei Chen (陳泓瑋), Li-Wei Kang (康立威), Chun-Shien Lu (呂俊賢)

### **D1-2 Content Shared Personal Video Recording Service Based on Internet Protocol Television**

Chung-Jung Lin(林志榮), Jen-Chieh Yu(游仁傑), Chi-Shi Liu(劉繼謚),  
Eng-Hua Huang(黃英華),Jing-Fu Chang(張君甫), Chun-Lin Wang(王惇琳),  
Chih-He Chang(張致和)

### **D1-3 The Application of Color Information for Video Object Tracking**

Cheng-Hung Chuang (莊政宏), Yuan-Lei Chao (趙員磊), Zhi-Ping Li (李旨平)

### **D1-4 Design and Implementation of Visual Servo Controller for Robot Grasping System**

Jheng -Rung Wu, Hui-Wen Li, Shu-Hua Yen, Ta-Pin Lin, Ying- Shing Shiao

### **D1-5 Retro Comic Photo Album Converter**

Yi-Ming Yang, Sheng-Hao Tsao, Ming-Sui Lee

### **D1-6 Integrated Automated Optical Inspection System and TRIZ -A Case Study for Surface Defect Inspection of Precision Steel Ball**

Namo Hsieh,C. H. Yeh

## **Session-E1: Face Analysis and Content-Based Retrieval**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R201**

### **E1-1 Facial Expression Recognition Based on Local Binary Pattern and Support Vector Machine**

Ting-Wei Lee (李亭緯), Yu-shann Wu(吳玉善), Heng-Sung Liu(柳恆崧),  
Shiao-Peng Huang(黃少鵬)

### **E1-2 Million-Scale Image Object Retrieval**

Yin-Hsi Kuo (郭盈希), Winston H. Hsu (徐宏民)

### **E1-3 Sport Video Highlight Extraction Based on Kernel Support Vector Machines**

Po-Yi Sung, Ruei-Yao Haung, Chih-Hung Kuo

### **E1-4 Image Inpainting Using Structure-Guided Priority Belief Propagation and Label Transformations**

Heng-Feng Hsin, Jin-Jang Leou, Hsuan-Ying Chen

### **E1-5 Content-Based Building Image Retrieval**

Wen-Chao Chen(陳文昭), Chi-Min Huang (黃啟銘), Shu-Kuo Sun (孫樹國),  
Zen Chen (陳稔)

### **E1-6 Using Modified View-Based AAM to Reconstruct the Frontal Facial Image with Expression from Different Head Orientation**

Po-Tsang Li(李柏蒼), Sheng-Yu Wang(王勝毓), Chung-Lin Huang(黃仲陵)



## **Session-F1: Multimedia Application**

**時 間: 2010/8/15(日), 13:30~15:30**

**地 點: R203**

### **F1-1 Real-Time Vehicle Counting without Background Modeling**

Ya-Ting Tsai, Cheng-Chang Lien, Ming-Hsiu Tsai, Hsiao-Hu Tan,  
Chin-Chuan Han

### **F1-2 Hierarchical Multi-Classification Support Vector Machines via a Binary Tree**

Hsian-Min Chen, Shih-Yu Chen, Jyh-Wen Chai, Clayton Chi-Chang Chen,  
Yen-Chieh Ouyang, Ching-Wen Yang, San-Kan Lee, Chein-I Chang

### **F1-3 An Iterative Fisher's Linear Discriminant Analysis Coupled with SVM to Enhance Classification Performance**

Hsian-Min Chen, Shih-Yu Chen, Jyh-Wen Chai, Clayton Chi-Chang Chen,  
Yen-Chieh Ouyang, Ching Tsorng Tsai, Ching-Wen Yang, San-Kan Lee,  
Chein-I Chang

### **F1-4 Delayed Backward Route Repairing Algorithm for Wireless Ad-Hoc Networks**

Chia-Chun Chang, Chih-Hsuan Chung, Min-Kuan Chang

### **F1-5 An Automatic Algorithm to Choose a Composite Kernel**

I-Ling Chen (陳怡伶), Chih-Sheng Huang (黃志勝), Bor-Chen Kuo (郭伯臣),  
Cheng-Hsuan Li (李政軒)

### **F1-6 Robust Real-Time Gender Recognition in Videos**

Duan-Yu Chen(陳敦裕), Kuan-Yi Lin(林冠儀)

**Session-A2: Image Processing and Filtering**

**時 間: 2010/8/15(日), 16:00~18:00**

**地 點: R101**

**A2-1 Face Beautification and Color Enhancement with Scene Mode Detection**

Da-Yuan Hunag, Chiou-Shann Fuh

**A2-2 Noise Reduction in Raw Data Domain**

Wen-Han Chen, Chiou-Shann Fuh

**A2-3 Single Image Deblurring with Efficient Multiscaled Kernel Estimation**

Feng-Yang Hsieh, Tsung-Yung Hung, Chia-Ming Wang, Kuo-Chin Fan

**A2-4 Color Image Processing for Mixed Noise Reduction**

Min-Yao Lu, Wu-Jeng Li, Ting-Ting Chang, Kuo-Jui Hu

**A2-5 A Fast Bilateral-Filter Based Method for Gaussian Noise Removal**

Jiunn-Lin Wu, Ho-Yu Chen

**A2-6 Design of a Fuzzy-Based Filter for CDNA Microarray Image Restoration**

Hung-Hsu Tsai, Ji-Shiang Shih, Bae-Muu Chang

**Session-B2: Image Processing for Transportation (I)**

**時 間: 2010/8/15(日), 16:00~18:00**

**地 點: R103**

**B2-1 Vision-Based Vehicle Detection with Fuzzy Inference for Nighttime Traffic Surveillance**

Chih-Chun Liu, Quen-Zong Wu, Shin-Ming Chen, Cheng-Chun Chung

**B2-2 License Plate Recognition under Various Conditions**

Shiao-Peng Huang (黃少鵬), Hao-Cheng Mo (莫皓程),  
Heng-Sung Liu (柳恆崧), Ting-Wei Lee (李亭緯)

**B2-3 Mobile Robot Navigation with Adaptive Path Planning Technique for Dynamic Environment**

Jia-Heng Zhou, Huei-Yung Lin

**B2-4 Automatic Parking Based on Bird`s-eye View Image**

Chih-Fan Hsu, Sei-Wang Chen

**B2-5 A Restricted Bus-lane Monitoring System**

Yen-Yi Chen, Sei-Wang Chen

**B2-6 Gaussian Mixture of Background and Shadow Model**

Chu-Shiuan Lai, Sei-Wang Chen, Jung-Ming Wang

## **Session-C2: Filtering and Face Analysis**

**時 間: 2010/8/15(日), 16:00~18:00**

**地 點: R301**

### **C2-1 On Benchmarking Face Detection**

Gee-Sern Hsu, Yu-Ching Guo, Chien-Hung Wu, Sheng-Luen Chung,  
Tran-Thu Ha

### **C2-2 Improving Local Binary Patterns-based Face Recognition through Partial Matching and Gabor Filter**

Che-Hua Yeh, Pei-Ruu Shih, Kuan-Ting Liu, Huang-Ming Chang,  
Ming Ouhyoung

### **C2-3 Face Hallucination Using Bayesian Global Estimation and Local Basis Selection**

Chih-Chung Hsu, Chia-Wen Lin, Chiou-Ting Hsu, Hong-Yuan Mark Liao

### **C2-4 Effective Color Constancy Method under Uniform or Non-Uniform Illuminant**

Soo-Chang Pei, Feng-Ju Chang

### **C2-5 A Fast Median-Based Filter to Remove Impulse Noise from Corrupted Infrared Images**

Chih-Lung Lin, Chih-Wei Kuo, Ming-Dar Tsai, Yuan-Chang Chang,  
Hsu-Yung Cheng

### **C2-6 Hierarchical Ensemble Classifiers for Face Recognition**

Cheng-Ta Hsieh, Ying-Nong Chen, Ivy Fan, Chin-Chuan Han

## **Session-D2: Object Segmentation and Image Calibration (I)**

**時 間: 2010/8/15(日), 16:00~18:00**

**地 點: R302**

### **D2-1 Projector Calibration of Multi-Resolution Display**

Po-Hsun Chiu(邱柏訊), Shih-Yao Lin(林士堯), Li-Wei Chan(詹力韋),  
Neng-Hao Yu(余能豪), Yi-Ping Hung (洪一平)

### **D2-2 The Omnidirectional Image Calibration Algorithm of Fish-eye Lenses**

Chun-Hsien Lu, Yung-Hsinag Chen, Ying-Shing Shiao

### **D2-3 Blind-Spot Vehicle Detection with Dynamic and Static Vision Methods**

Shao-Zong Ma (馬紹宗), Chang-Tao Hsu (徐震濤), Din-Chang Tseng (曾定章)

### **D2-4 A Face Recognition Method Based on Binocular Visions**

En-Shou Chang(張恩壽), Shu-Hua Yen (顏淑華), Hui-Wen Li (李慧文),  
Suen Shiou Jen(孫秀貞), Yung-Hsinag Chen (陳永祥),  
Ying- Shing Shiao(蕭瑛星)

### **D2-5 Texture Image Segmentation Based on Contextual Hidden Markov Tree Models**

Din-Chang Tseng (曾定章), Yi-Ping Chen (陳怡萍), Chang-Min Chou (周昌民)

### **D2-6 FPGA-Based Embedded Design of Image Steganography**

Yu-Che Chiu, Chang-Min Chou, Cheng-Yuan Chang

**Session-E2: Image Processing and Watermarking**

**時 間: 2010/8/15(日), 16:00~18:00**

**地 點: R201**

**E2-1 A Fast Locating Algorithm with Run Length Encoding for Variable Size License Plates**

Chien-Chou Lin, Chun-Ting Chang

**E2-2 Patch-Based Occupant Classification for Smart Airbag**

Shih-Shinh Huang, Er-Liang Jian, Chi-Liang Chien

**E2-3 Display Characterization in Visual Cryptography for Color Images**

Chao-Hua Wen

**E2-4 Data Hiding with Rate-Distortion Optimization on H.264/AVC Video**

Yih-Chuan Lin, Jung-Hong Li

**E2-5 Secret-fragment-visible Mosaic —a New Image Art and Its Application to Information Hiding**

I-Jen Lai (賴怡臻), Wen-Hsiang Tsai (蔡文祥)

**E2-6 A Practical Design of High-Volume Steganography in Digital Videos**

Ming-Tse Lu, Po-Chyi Su, Ying-Chang Wu

## **Session-F2: Object Segmentation and Image Calibration(II)**

**時 間:** 2010/8/15(日), 16:00~18:00

**地 點:** R203

### **F2-1 Camera Auto Re-calibration for Surveillance System**

Chung-Chia Kang (康仲嘉), Jian-Ren Chen (陳建任), Leii H. Chang (曾和枝),  
Ho-Hsin Lee (黎和欣)

### **F2-2 Model-Driven Approach for Recognition of Low-resolution License Number**

Yi-Chong Zeng (曾易聰), Jing-Fung Chen (陳靜芳)

### **F2-3 Automatic Book Spine Segmentation and Recognition from Bookshelf Images in a Library**

Jen-Chang Liu (劉震昌), Shian-Hua Lin (林宣華), Bing-Yi Chou (周秉宜),  
Chien-Chun Wang (王健駿)

### **F2-4 Fast Human Airway Segmentation with Confidence Interval and Adaptivity**

Jack Chia-Hsiang Hu (胡家祥), Tang-Kai Yin (殷堂凱),  
Nan-Tsing Chiu (邱南津)

### **F2-5 A Robust Background Subtraction Method against Illumination Challenge for Night Environment**

Yuan-Kai Wang (王元凱), Ching-Tang Fan (范景棠)

### **F2-6 Framework of Fisheye Lens Inverse Perspective Mapping**

Chin-Teng Lin (林進燈), Sheng-Chih Hsu (許勝智), Jia-Ner Liang (簡而良),  
I-Hung Chiang (姜奕弘), Kuei-Li Fang (方奎理)

**Session-A3: IPPR 最佳博士論文發表、由田新技 MVP 競賽優勝作品  
發表**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R101**

**A3-1 Content Aware Image and Video Resizing**

Yu-Shuen Wang(王昱舜)

**A3-2 辨識率 5 成~鳩咪**

王才沛教授、蘇裕傑、魏良佑、邱俊予、林俞丞

**A3-3 Optimal Integrated System of Face Detection and Gender Classification**

林達德教授、陳秋、賴宗誠、余世忠、伍家瑩、楊宏農

**A3-4 中華男女英雄榜**

黃雅軒教授、黎竹芸、許廷嘉、莊順旭、張偉禕、林啟賢、彭國達、  
王勻駿



**Session-B3: Image Analysis and Enhancement (II)**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R103**

**B3-1 Color Image Enhancement with the Improved *HSV* (*iHSV*) Color Model**

Chun-Liang Chien, Din-Chang Tseng, Ching-Yi Kuo, Cheng-Hua Wu

**B3-2 Testing Colored Markers for ARToolkit-based Augmented Reality System with Integrated 1-D Barcode Reader**

Jong-Chih Chien, Hoang-Yang Lu, Yi-Sheng Wu, Li-Chang Liu

**B3-3 Video Copy Detection Based on Bag of Trajectory and Two-Level Approximate Sequence Matching**

Wei-Ta Chu, Po-Chi Chuang, Jen-Yu Yu

**B3-4 A Complete Cloud Removal Approach for Multi-temporal Satellite Images**

Chun-Liang Chien, Hsiao-Ting Tseng, Din-Chang Tseng, Ching-Yi Kuo, Cheng-Hua Wu

**B3-5 Hierarchical Vision-based Localization Using Conspicuous Objects for Robots in Home Environments**

Jia-Yuan Yu, Shih-Huan Tseng, Kuo-Chen Huang, Li-Chen Fu, Hsiang-Wen Hsieh

**B3-6 Reversible Data-Hiding for 3D Mesh Models Using Arithmetic Coding and Large-Integer Operation**

I-Ling Chung, Chang-Min Chou, Din-Chang Tseng

**B3-7 Accurate Computational Algorithm for Color Constancy Measure**

S. J. Jerome Teng

**Session-C3: Object Detection and Tracking (I)**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R301**

**C3-1 A Smart Front-end Real-Time Detection and Tracking**

Lih-Guong Jang, Jhih-Guo Peng

**C3-2 Combination of Hopfield Neural Network and Back-Propagation Neural Network Applied to ALV Guidance Using Binocular Stereo Vision**

Po-Lun Chou (周博倫), Rong-Chin Lo (駱榮欽)

**C3-3 Egocentric View Transition with a Particle Based Visualization for Video Monitoring**

Kuan-Wen Chen (陳冠文), Pei-Jyun Lee (李佩君), Yi-Ping Hung (洪一平)

**C3-4 Local Density Ratio for Real-Time People Counting**

Dao-Huu Hung, Sheng-Luen Chung, Gee-Sern Jison Hsu

**C3-5 Multi-View Pedestrian Detection Using Markov Chain Monte Carlo Approach**

Wan-Ya Liao, Sei-Wang Chen, Jung-Ming Wang

**C3-6 i-m-Lamp for Interactive Multi-resolution Tabletop Displays**

Li-Wei Chan, Hsiang-Tao Wu, Hui-Shan Kao, Ju-Chun Ko, Home-Ru Lin,  
Mike Y. Chen, Jane Hsu, Yi-Ping Hung

**C3-7 Watch Your Breath and Mind - the Effect of Biofeedback on Breathing Control During Meditation**

Meng-Chieh Yu, Yi-Lin Chen, Cheng-Chih Tsai, Jing-Lin Hsueh, Ju-Chun Ko,  
Han-Hung Lin, Yi-Yu Chung, Mike Y. Chen, Ming-Sui Lee, Yi-Ping Hung

## **Session-D3: Video Processing and Surveillance**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R302**

### **D3-1 An Enhanced Intra Mode Decision for H.264/AVC**

Yu-Ming Lee, Gon-Shen Huang, Yinyi Lin

### **D3-2 Surveillance Video Browsing**

Cheng-Chieh Chiang (江政杰), Ming-Nan Tsai (蔡明男)

### **D3-3 Adaptive Video Placement Mechanism for IPTV-VOD Service**

Hsuan Chiu (邱璇), Chih-He Chang (張致和), Chao-Wei Tseng (曾朝尉),  
Feng-Chang Wu (吳俸昌), Cheng-Hsiang Liu (劉成祥),  
Yin-Hwa Huang (黃英華)

### **D3-4 Trajectory-Based Stereoscopic Video Stabilization**

Chun-Wei Liu (劉峻瑋), Ken-Yi Lee (李根逸), Yu-Hsiang Huang (黃昱翔),  
Ming-Hsu Chang (張明旭), Chia-Kai Liang (梁家愷),  
Yung-Yu Chuang (莊永裕)

### **D3-5 Motion-Based Unusual Event Detection in Human Crowds**

Duan-Yu Chen (陳敦裕), Po-Chung Huang (黃柏菖)

### **D3-6 Video Seam Carving Based on Spatiotemporal Analysis of Visual Cubes**

Duan-Yu Chen (陳敦裕), Yi-Shiou Luo (羅毅修)

### **D3-7 An Efficient Video Annotation via Visual Attention Model with Entropy Optimization**

Ming-Te Wu, Chiu-Yin Lai

**Session-E3: Image/Video Compression and Enhancement**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R106**

**E3-1 Multi-Scale Image Contrast Enhancement: Using Adaptive Inverse Hyperbolic Tangent Algorithm**

Cheng-Yi Yu, Yen-Chieh Ouyang, Tzu-Wei Yu, Chein-I Chang

**E3-2 Fast Coding Parameter Selection in Temporal Prediction for H.264/MPEG-4 SVC Temporal Scalable Coding**

Hung-Chih Lin, Hsueh-Ming Hang

**E3-3 Direct Computation of Cubic Curve Fitting Interpolation for H.264 Video Codec**

Shi-Huang Chen, T. K. Truong

**E3-4 Pedestrian and Vehicle Classification and Lane Crossing Detection for Video Surveillance System**

Chih-Jung Wang, Kuan-Yu Wu, Daw-Tung Lin

**E3-5 Performance Analysis Of Histogram Shift-Based Steganalysis**

Chiang-Lung Liu (劉江龍), Hsing-Han Liu (劉興漢)

**E3-6 Fast Priority-Based Mode Decision and Activity-Based Motion Estimation for Spatial Scalability in Scalable Video Coding**

Te-Heng Wang (王特亨), Mei-Juan Chen (陳美娟), Ming-Chieh Chi (紀明傑)

**E3-7 Unsupervised Fuzzy C-means-based Classification of Brain Tissues Using an Iterative Process**

Meng-Chien Wu, Shih-Yu Chen, Yaw-Jiunn Chiou, Hsian-Min Chen,  
Jyh-Wen Chai, Clayton Chi-Chang Chen, Yen-Chieh Ouyang,  
Ching-Wen Yang, San-Kan Lee, Chein-I Chang

**Session-A4: Image/Video Coding and Compression (II)**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R101**

**A4-1 Blocked-Based Distributed Residual Video Coding with Ratedistortion  
Optimized Quantizer**

Jui-Chiu Chiang, Kuan-Liang Chen, Chang-Ming Lee, Wen-Nung Lie

**A4-2 A Fast and High-Quality Transcoding Method From Motion Jpeg To H.264  
Streaming**

Tsung-Ming Lee (李宗明), Chi-Fnag Lin (林啟芳)

**A4-3 Uniform-Invoice Number Recognition System and Deployment on Android  
Mobile Phone**

Cheng-Hua Chien, Chin-Lin Lin, Daw-Tung Lin

**A4-4 A Real-Time Pseudo Stereo Conversion Scheme for Mpeg Videos**

Guo-Shiang Lin(林國祥), Wei-Chih Chen(陳韋志),  
Hsiang-Yun Huang(黃湘芸), Wen-Nung Lie(賴文能)

**A4-5 H.264 Rate Control Based on the Target Buffer Level and the Target Bits  
Alloction**

Kai-Wen Liang (梁凱雯), Jiunn-Tsair Fang (方俊才),  
Li-Chang Chiang (姜禮彰), Pao-Chi Chang (張寶基)

**A4-6 Bitwise Differential Coding for Distributed Video Coding**

Ji-Hua Hsu, Wei-Chun Lai, Tsung-Han Tsai, Chang-Ming Lee

**A4-7 Relay Selection for Scalable H.264/AVC Video Transmission Over  
Cooperative Communication Networks**

Chia-Hung Yeh (葉家宏), Shih-Hung Chen (陳士弘),  
Wen-Yu Tseng (曾文郁), Wan-Jen Huang (黃婉甄)

**Session-B4: Image Processing**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R103**

**B4-1 Digital Image Processing Algorithms Using Chinese Magic Squares**

Chien-Cheng Tseng, Tian-Yu Ku, Su-Ling Lee

**B4-2 Wide FOV Surveillance Using Adaptive Wide FOV Image Stitching Based on an IP Camera on a Rotational Platform**

Wu-Chih Hu, Deng-Yuan Huang, Wei-Hao Chen

**B4-3 Automatic Threshold Determination Based on an FPGA for a Real-time Image Processing System**

Deng-Yuan Huang, Wu-Chih Hu, Ta-Wei Lin, Chia-Hung Wang

**B4-4 Image Indexing with Illumination Invariant Color Centroids**

Hui-Fuang Ng, Tsang-Yu Chang, Jui-Chi Chen

**B4-5 Quadtree Classified Vector Quantization Based Image Retrieval**

Hsin-Hui Chen, Hsin-Teng Sheu, Jian-Jiun Ding

**B4-6 A New Single Image Super Resolution Method Using Gradient Operators and Machine Learning**

Jiunn-Lin Wu, Jen-Chu Wang

**B4-7 Detecting Fertility of Hatching Eggs with Local Binary Patterns**

Hui-Fuang Ng, Han-Jhong Zeng, Kuang-Wen Hsieh

## **Session-C4: Object Detection and Tracking (II)**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R301**

### **C4-1 Robust Abandoned Object Detection Based on Life-cycle State**

#### **Measurement**

Wei-Hsin Hsu(徐維忻), Hung-I Pai(白宏益), Shen-Zheng Wang(王舜正),  
San-Lung Zhao(趙善隆), Kung-Ming Lan(藍坤銘)

### **C4-2 Hierarchical Method for Foreground Detection Using Codebook Model**

Jing-Ming Guo (郭景明), Chih-Sheng Hsu (徐誌笙)

### **C4-3 A People Counter Using Top-View Video Sequences**

An-Chun Luo(羅安鈞), Sei-Wang Chen (陳世旺), Jung- Ming. Wang (王俊民)

### **C4-4 An Initial Snaxels Selection with False Points Eliminate for Active Contour Model**

Roy Chao-Ming Hsu, Ping-Wen Kao, Wei- Jie Lai

### **C4-5 Identifying and Recognizing Moving Objects in Images**

Yi-Fang Sun (孫鏡芳), Yu-Xiang Xue (薛宇翔), Dyi-Rong Duh (杜迪榕),  
Yen-Lin Chen (陳彥霖)

### **C4-6 Video Enhancement for Moving-Objects in the Dusk Environment Based on Mixed-Mode Processing**

Chao-Ho Chen(陳昭和), Che-Ping Su(蘇哲平), Tsong-Yi Chen(陳聰毅),  
Da-Jinn Wang(王大瑾)

### **C4-7 Tracking and Recognition of Pedestrians for Multi-Camera Surveillance System**

Tsong-Yi Chen, Je-Ching Lin, Chao-Ho Chen, Da-Jinn Wang

## **Session-D4: Motion Recognition and Analysis**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R302**

### **D4-1 Feature-Point-Based Target Tracking in the Crowd**

Cheng-Chang Lien, Shin-Ji Lin, Wei-Hsin Kan, Hsiao-Hu Tan

### **D4-2 Static Hand Posture Recognition Based on an Implicit Shape Model**

Che-Wei Liu (劉哲維), Yu-Yuan Will Chen (陳郁元), Hsu-Chun Yen (顏嗣鈞),  
Chia-Chen Yu (余家震)

### **D4-3 Human Posture Recognition System Based on Image Scanning**

Sheng-Chung Huang, Han-Wei Kung, Kuo-Hua Lo, Hsing-Lu Huang,  
Jen-Hui Chuang

### **D4-4 Efficient Human Action Recognition Using Nonparametric Weighted Feature Extraction**

Cheng-Hsien Lin, Fu-Song Hsu, Wei-Yang Lin

### **D4-5 Human Gait Classification Using Optical Flow Features**

Chien-Hung Cheng (鄭建宏), Chia-Ming Wang (王嘉銘),  
Kuo-Chin Fan (范國清), Chih-Chang Yu(余執彰), Thomas C. Chuang(莊暢)

### **D4-6 Automatic Detection of Human Carrying Weapons in Video Sequences**

Janice Budihartono(陳益翰), Yuan-Hsiang Chang (張元翔),  
Yu-Ting Wang (王鈺婷)

### **D4-7 Cross-view Object Identification Using Principal Color Transformation**

Sin-Yu Chen, Jun-Wei Hsieh



## **Session-E4: Applications and 3D Reconstruction**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R106**

### **E4-1 Resampling and compression on 3D range data from a LIDAR**

Bin Wu, Ying-Chen Lin, Chia-Yen Chen

### **E4-2 Real-Time Novel Rendering Architecture For 3D Display**

Wei-Hao Huang, Wei-Jia Huang, Kai-Che Liu, Ludovic Angot

### **E4-3 3D Mapping Using only one 2D Laser Scanner**

Andreas Dopfer, Chieh-Chih Wang, Yen-Hung Lai

### **E4-4 Ray-Scaling Operations in Soft Object Modeling**

Pi-Chung Hsu (許丕忠)

### **E4-5 The Codebook Design of the Vector Quantization based on the Artificial Bee Colony Algorithm**

Ming-Huwi Horng, Ting-Wei Jiang, Yun-Xiang Lee

### **E4-6 A Fully-Automated 2D to 3D Image Conversion Technique Applied on Stereo Display**

Chin-Teng Lin (林進燈), Chih-Shgne Hsu (許勝智), Chun-Yeon Lin (林峻永),  
Ja-Fan Lee (李佳芳)

### **E4-7 Automatic 3D House-layout Construction by a Vision-based Autonomous Vehicle Using a Two-camera Omni-directional Imaging System**

Bo-Jhih You, Wen-Hsiang Tsai

**Session-A5: Image Processing for Transportation (II)**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R101**

**A5-1 High Dynamic Range Imaging with Local Contrast Evaluation and  
Photographic Tone Reproduction**

Wen-Chung Kao, Chih-Hsiang Huang

**A5-2 Combining Histograms of Oriented Gradients with Shape of Head for  
Human Detection**

Hsin-Ming Tsai, Shih-Shinh Huang, Pei-Yung Hsiao

**A5-3 Integrating Appearance and Edge Features for Vehicle Detection in the  
Blind-spot Area**

Bin-Feng Lin, Yi-Ming Chan, Li-Chen Fu, Pei-Yung Hsiao, Li-An Chuang,  
Shin-Shinh Huang

**A5-4 Near-Infrared Based Nighttime Pedestrian Detection by Combining  
Multiple Features**

Yu-Chun Lin, Yi-Ming Chan, Luo-Chieh Chuang, Shih-Shinh Huang,  
Li-Chen Fu, Pei-Yung Hsiao, Min-Fang Lo

**A5-5 Light-weight Ad-Hoc Network Simulator Using Matlab Visualization**

Shang-Ming Jen, Ya-Ting Shyu, Chia-Yu Lu, Chi-Sung Laih

**Session-B5: Image Analysis and Enhancement (III)**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R103**

**B5-1 Image Copy Detection and Recognition via Secure SIFT-based Sparse Representation**

Li-Wei Kang, Chao-Yung Hsu, Hung-Wei Chen, Chun-Shien Lu

**B5-2 Homomorphic Encryption-based Secure SIFT for Privacy-Preserving Feature Extraction**

Chao-Yung Hsu, Chun-Shien Lu, Soo-Chang Pei

**B5-3 A Stereo-Vision-Based Method for Brain-Surface Deformation Estimation Using Feature Points Correspondence and Thin-Plate Spline**

Chung-Hung Hsieh, Jiann-Der Lee, Chung-Hsien Huang, Shih-Tseng Lee

**B5-4 Improved Dot Diffusion Using Hexagonal Class Matrices and Simulated Annealing Optimization**

Jing-Ming Guo (郭景明), Chia-Hao Chang (張家豪)

**B5-5 Classified Bayesian-Based Inverse Halftoning**

Yun-Fu Liu, Jing-Ming Guo, Jiann-Der Lee

**Session-C5: Pattern Recognition (II)**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R301**

**C5-1 A Vision-Based Fire Detection Using Entropy**

Shin-Ming Chen (陳信銘), Cheng-Chun Chung (鍾承君),  
Chih-Chun Liu (劉治君), Da-Wei Jain (簡大為)

**C5-2 Illumination Invariant Local Binary Patterns for Image Matching**

Hui-Fuang Ng(黃惠藩), Ju-Hung Lu(呂儒泓)

**C5-3 Mobile Localization System Based on Infrared Cameras**

Shang-Yi Lin, Ting-Chun Sun, Kuo-Hua Lo, Hsing-Lu Huang, Jen-Hui Chuang

**C5-4 Automatic Recognition of Old-film Scene and Modern Scene**

Yi-Chong Zeng (曾易聰)

**C5-5 Automatic Text Extraction, Removal and Inpainting of Complex Document  
Images**

Yen-Lin Chen (陳彥霖)

**Session-D5: 3D Reconstruction and Surveillance**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R302**

**D5-1 3-D Environment Model Construction and Adaptive Foreground Detection  
for Multi-Camera Surveillance System**

Yi-Yuan Chen, Hung-I Pai, Yung-Huang Huang, Yung-Cheng Cheng,  
Yong-Sheng Chen, Jian-Ren Chen, Shang-Chih Hung, Yueh-Hsun Hsieh,  
Shen-Zheng Wang, San-Lung Zhao

**D5-2 Morphing and Texturing Based on the Transformation Between Triangle  
Mesh and Point**

Wei-Chih Hsu, Wu-Huang Cheng

**D5-3 Layered Layouts of Directed Graphs Using a Genetic Algorithm**

Chun-Cheng Lin, Yi-Ting Lin, Hsu-Chun Yen, Chia-Chen Yu

**D5-4 Structured Local Binary Haar Pattern for Graphics Retrieval**

Song-Zhi Su, Shu-Yuan Chen, Shang-An Li, Shao-Zi Li, Der-Jyh Duh

**D5-5 Image-based Intelligent Attendance Logging System**

Hary Oktavianto, Gee-Sern Hsu, Sheng-Luen Chung

**Session-E5: Watermarking and Information Hiding**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R403**

**E5-1 A Tampering Detection Scheme Based on Candidate Region Selection and Quantization Table Estimation**

Andy S. Chiou, Guo-Shiang Lin, Min-Kuan Chang, You-Lin Chen

**E5-2 Weighted-style non-expansible Visual Cryptography**

Shang-Kuan Chen

**E5-3 Sharing and Hiding Secret 3D Point-Sampled Model with Natural Stego-Models**

Yu-Hsien Chiou, Ran-Zan Wang

**E5-4 Data Hiding via XPS Documents – A New Study**

Mei-Hua Ho, Wen-Hsiang Tsai

**E5-5 Using Fiedler Vector At Spectral Graph Analysis for 3D Watermarking**

Siao-Ling Zeng, Chia-Yen Chen, Chien-Yuan Chen

**Session-A6: Intelligent Human-Machine Interactions for Digital Life**

**時 間: 2010/8/17(二), 10:15~12:35**

**地 點: R101**

**A6-1 Facial Expression Recognition Based on Fusing Weighted Local Directional Pattern and Local Binary Pattern**

Shun-Hsu Chuang, Yea-Shuan Huang

**A6-2 Speed Limit Sign Detection and Recognition**

Yea-Shuan Huang, Yun-Shin Lee, Yun-Jiun Wang

**A6-3 Developing a Human-Environment Interaction System for Smart Wheelchairs**

Han-Yen Yu, Chen-Han Lee, Rui-Che Chang, Jiann-Jone Chen

**A6-4 Human Smoking Event Detection Using Visual Interaction Clues**

Pin Wu, Jun-Wei Hsieh, Jiun-Cheng Cheng, Shyi-Chyi Cheng, Shau-Yin Tseng

**A6-5 A Fortune Telling System Using Mole Voronoi Diagram**

Jun-An Lai, Chen-Chiung Hsieh

**A6-6 A Multi-modal Human-Machine Interface for Intelligent Home**

Cheng-Shiang Liao, Cheng-Chin Chiang

**A6-7 Peer-to-Peer Network Image Retrieval**

Chun-Rong Su (蘇俊榮), Chia-Jung Hu (胡家榮), Jiann-Yu Wen (溫建宇),  
Jiann-Jone Chen (陳建中)

**A6-8 Brake-Light Detection in Frequency Domain**

Duan-Yu Chen(陳敦裕), Yu-Hao Lin(林育豪)

**Session-B6: Content-Based Video Processing**

**時 間: 2010/8/17(二), 10:15~12:35**

**地 點: R103**

**B6-1 Human Action Recognition Using Three-Dimensional HOG and Key Point Distribution**

Wei-Yang Huang, Chaur-Heh Hsieh

**B6-2 Human Action Recognition Using Human Silhouette Histogram**

Ming-Da Tang, Chaur-Heh Hsieh

**B6-3 An Accurate Rate Controlling Scheme Based on Appropriate Source-Complexity Estimations on H.264/AVC**

Din-Yuen Chan, Wei-Cheng Wang, Feng-Kun Xiao

**B6-4 Robust Player Tracking for Broadcast Tennis Videos**

Nai-Chung Yang, Chung-Ming Kuo, Chaur-Heh Hsieh, Mao-Hsiung Hung, Ching-Yen Li

**B6-5 New Watermarking for Consideration in MOD System**

Chuen-Ching Wang, Chuen-Hsing Chen, Wen-Chung Kuo

**B6-6 Fast Road Signs Recognition Using Shape Templates and Contour Features**

Yong-Ren Huang, Guan-Zhe Wu

**B6-7 Player Detection and Segmentation for Broadcast Tennis Videos**

Chaur-Heh Hsieh, Yao-Chuan Jiang, Chung-Ming Kuo, Mao-Hsiung Hung, Jeng-Shyang Pan

**B6-8 A Novel Approach for Rotation Detection and Feature Point Extraction in Palm-Based Biometric Systems**

Chen-Sen Ouyang, Jia-Siang Sun, Jheng-Fu Cai



## **Session-C6: Image Processing for Medical Applications**

**時 間: 2010/8/17(二), 10:15~12:35**

**地 點: R301**

### **C6-1 A Dynamic Blood Flow Measurement For Diagnosing Prostate Diseases**

Chuan-Yu Chang(張傳育), Cheng-Min Fan(范成旻), Yuh-Shyan Tsai(蔡育賢)

### **C6-2 Volume Based Illustative Musculoskeletal Surgery Simulations**

Ming-Dar Tsai (蔡明達), Bo-Kang Song (宋柏慷), Chiung-Hsin Tsai (蔡瓊星),  
Ming-Shium Hsieh (謝銘勳)

### **C6-3 Induction of SOBoosting with Logitboost for Iris Recognition**

Wei-Chin Tang(湯偉志), Wen-Shiung Chen(陳文雄), Li-Li Hsieh(謝俐麗)

### **C6-4 A Document Image Binarization Algorithm with Fuzzy Inference Method**

Chiun-Li Chin (秦群立), Wei-Shan Jhao (趙偉善), Kun-Ching Wang (王坤卿)

### **C6-5 Does Collarette of Iris Work for Recognizing Persons?**

Ren-He Jeng (鄭仁和), Wen-Shiung Chen (陳文雄)

### **C6-6 Muscle Injury Determination by Image Segmentation**

Jian-Jiun Ding, Yu-Hsiang Wang, Li-Lin Hu, Wei-Lun Chao, Yio-Wah Shau

### **C6-7 Olfactory Bulb in Drosophila brain Edge detection Using Fuzzy Logic Image Analogies Simulations**

Wei Chen, Guan-Yu Chen, Yung-Chang Chen

## **Session-D6: Transportation and Vehicle Imaging Systems**

**時 間: 2010/8/17(二), 10:15~12:35**

**地 點: R302**

### **D6-1 i-m-Walk: Interactive Multimedia Walking-Aware System**

Meng-Chieh Yu, Cheng-Chih Tsai, Ying-Chieh Tseng, Hao-Tien Chiang,  
Shih-Ta Liu, Wei-Ting Chen, Wan-Wei Teo, Mike Y. Chen, Ming-Sui Lee,  
Yi-Ping Hung

### **D6-2 Object of Interest Detection Using Edge Contrast Analysis**

Ding-Horng Chen, FangDe Yao

### **D6-3 Efficient Multi-Layer Background Model on Complex Environment for Foreground Object Detection**

Wen-Kai Tsai(蔡文凱), Chung-Chi Lin (林正基), Ming-Hwa Sheu (許明華),  
Siang-Min Siao (蕭翔民), Kai-Min Lin(林凱名)

### **D6-4 Clearer 3D Environment Construction Using Improved DM Based on Gaze Technology Applied to Autonomous Land Vehicles**

Kuei-Chang Yang (楊桂彰), Rong-Chin Lo (駱榮欽)

### **D6-5 A Multi-Layer Gmm Based on Color-Texture Combination Feature for Moving Object Detection**

Tai-Hwei Hwang (黃泰惠), Chuang-Hsien Huang (黃鐘賢),  
Wen-Hao Wang (王文豪)

### **D6-6 Adaptive Traffic Scene Analysis by Using Implicit Shape Model**

Kai-Kai Hsu (許凱凱), Po-Chyi Su (蘇柏齊), Kai-Yi Cheng (程凱驛)

### **D6-7 An Augmented Reality Based Navigation System for Museum Guidance**

Jun-Ming Pan, Chi-Fa Chen, Chia-Yen Chen, Bo-Sen Huang, Jun-Long Huang,  
Wen-Bin Hong, Hong-Cyuan Syu

## **Session-E6: Face Analysis and Recognition**

**時 間: 2010/8/17(二), 10:15~12:35**

**地 點: R403**

### **E6-1 A Real-Time Vision-Based People Counting System in Video Surveillance**

Cheng-Chun Chung(鍾承君), Shin-Ming Chen (陳信銘),  
Chih-Chun Liu (劉治君), Da-Wei Jain(簡大為)

### **E6-2 Modified Active Appearance Models Features for Facial Expression Recognition**

Chin-Hao Hsu, Yi-Leh Wu, Cheng-Yuan Tang

### **E6-3 Modified Nonparametric Feature Analysis for Face Recognition**

Chang-Hsing Lee, Shu-Chun Yeh, Jau-Ling Shih

### **E6-4 Combining Speeded-Up Robust Features with Principal Component Analysis in Face Recognition**

Shinfeng D. Lin (林信鋒), Bo-Feng Liu (劉柏鋒), Jia-Hong Lin (林家弘)

### **E6-5 Exemplar-Based Age Progression Prediction in Children Faces**

Wan-Hua Lu (呂婉華), Cheng-Ta Shen (沈政達), Sheng-Wen Shih (石勝文),  
Hong-Yuan Mark Liao (廖弘源)

### **E6-6 Human Face Prediction Using Aging Transition Matrix and Non-negative Matrix Factorization**

Hsuan-Ting Chang (張軒庭) Jiun-Hung Lin (林俊宏)

### **E6-7 Rapid Facial Gender Recognition under Expression, Illumination Variaton and Low Resolution**

Shih-Ming Huang, Hsiang-Yi Chen, Jar-Ferr Yang

**Session-F3: 海報及作品展示**

**時 間: 2010/8/16(一), 13:20~15:40**

**地 點: R102**

**F3-1 A Power Adaptive Motion Estimation Algorithm Using Multiple Binary Searches**

Shih-Hao Wang (王士豪), Tihao Chiang (蔣迪豪), Hsueh-Ming Hang (杭學鳴)

**F3-2 A Uniform-Invoice Number Recognition System and Deployment on Android Mobile Phone**

Cheng-Hua Chien, Chin-Lin Lin, Daw-Tung Lin

**F3-3 Testing Colored Markers for ARToolkit-based Augmented Reality System with Integrated 1-D Barcode Reader Searches**

Jong-Chih Chien, Hoang-Yang Lu, Yi-Sheng Wu, Li-Chang Liu

**F3-4 Blocked-Based Distributed Residual Video Coding with Rate Distortion Optimized Quantizer**

Jui-Chiu Chiang, Kuan-Liang Chen, Chang-Ming Lee, Wen-Nung Lie

**F3-5 Unsupervised Fuzzy C-means-based Classification of Brain Tissues Using an Iterative Process**

Meng-Chien Wu, Shih-Yu Chen, Yaw-Jiunn Chiou, Hsian-Min Chen, Jyh-Wen Chai, Clayton Chi-Chang Chen, Yen-Chieh Ouyang, Ching-Wen Yang, San-Kan Lee, Chein-I Chang

**F3-6 A Fast and High-Quality Transcoding Method From Motion Jpeg To H.264 Streaming**

Tsung-Ming Lee (李宗明), Chi-Fnag Lin (林啟芳)

**F3-7 Video Enhancement for Moving-Objects in the Dusk Environment Based on Mixed-Mode Processing**

Chao-Ho Chen(陳昭和), Che-Ping Su(蘇哲平), Tsong-Yi Chen(陳聰毅), Da-Jinn Wang(王大瑾)

**Session-F4: 海報及作品展示**

**時 間: 2010/8/16(一), 15:50~18:10**

**地 點: R102**

**F4-1 A Power Adaptive Motion Estimation Algorithm Using Multiple Binary Searches**

Shih-Hao Wang (王士豪), Tihao Chiang (蔣迪豪), Hsueh-Ming Hang (杭學鳴)

**F4-2 A Uniform-Invoice Number Recognition System and Deployment on Android Mobile Phone**

Cheng-Hua Chien, Chin-Lin Lin, Daw-Tung Lin

**F4-3 Testing Colored Markers for ARToolkit-based Augmented Reality System with Integrated 1-D Barcode Reader Searches**

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**F4-4 Blocked-Based Distributed Residual Video Coding with Rate Distortion Optimized Quantizer**

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Chao-Ho Chen(陳昭和), Che-Ping Su(蘇哲平), Tsong-Yi Chen(陳聰毅), Da-Jinn Wang(王大瑾)

**Session-F5: 海報及作品展示**

**時 間: 2010/8/17(二), 08:30~10:10**

**地 點: R102**

**海報展示**

**F5-1 A Power Adaptive Motion Estimation Algorithm Using Multiple Binary Searches**

Shih-Hao Wang (王士豪), Tihao Chiang (蔣迪豪), Hsueh-Ming Hang (杭學鳴)

**作品展示**

**F5-2 Using Fiedler Vector At Spectral Graph Analysis for 3D Watermarking**

Siao-Ling Zeng, Chia-Yen Chen, Chien-Yuan Chen

**F5-3 An Augmented Reality Based Navigation System for Museum Guidance**

Jun-Ming Pan, Chi-Fa Chen, Chia-Yen Chen, Bo-Sen Huang, Jun-Long Huang,  
Wen-Bin Hong, Hong-Cyuan Syu

**Session-F6: 海報及作品展示**

**時 間: 2010/8/17(二), 10:15~12:45**

**地 點: R102**

**F6-1 A Power Adaptive Motion Estimation Algorithm Using Multiple Binary Searches**

Shih-Hao Wang (王士豪), Tihao Chiang (蔣迪豪), Hsueh-Ming Hang (杭學鳴)

**F6-2 Using Fiedler Vector At Spectral Graph Analysis for 3D Watermarking**

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**F6-3 An Augmented Reality Based Navigation System for Museum Guidance**

Jun-Ming Pan, Chi-Fa Chen, Chia-Yen Chen, Bo-Sen Huang, Jun-Long Huang,  
Wen-Bin Hong, Hong-Cyuan Syu