

## 100年5&6月通過學術審查

91 學年度入學 (博七)

### Journal Papers

1. Hsu JT, Peng CH, Hsieh WP, Lan CY, Tang CY. A novel method to identify cooperative functional modules: study of module coordination in the *Saccharomyces cerevisiae* cell cycle. *BMC Bioinformatics*, 2011 (Accepted).
2. Peng CH, Hsu JT, Chung YS, Lin YJ, Chow WY, Hsu DF, Tang CY. Identification of degenerate motifs using position restricted selection and hybrid ranking combination. *Nucleic Acids Res.* 2006;34(22):6379-91.

## 100 年 5&6 月 通過 學術審查

93 學年度入學 (博七)

### Journal Papers

1. **Pin-Chuan Liu**, Jenq-Shiou Leu, Tsung-Chieh Lee, Tien-Ho Chen, Yun-Sun Yee, and Wei-Kuan Shih, "WUKONG: A Practical Video Streaming Service Based on Native BitTorrent and Scalable Video Coding," **Multimedia Tools and Applications**, Springer, published online, pp. 1-22, April 2011. doi:10.1007/s11042-011-0793-2. (SCI, EI) (conference paper版本已被引用 4 次)
2. **Pin-Chuan Liu**, Chih-Wei Yi, and Wei-Kuan Shih, "Maximizing the Capacity of Tree-Based P2P Live Streaming Systems," submitted to the *IEEE Transactions on Multimedia*, 2011. (SCI, EI)

### Conference Papers

1. **Pin-Chuan Liu**, Da-You Chen, Chih-Lin Hu, Wei-Cheng Sun, Jen-Hwa Lee, Chung-Kuang Chou, and Wei-Kuan Shih, "Analyzing the TCP Performance on Mobile Ad Hoc Networks," in **the 13th International Conference on Advanced Communication Technologies (ICACT'11)**, pp. 143-148, Phoenix Park, Korea, 13-16 February, 2011.
2. **Pin-Chuan Liu**, Chih-Wei Yi, Yi-Ta Chuang, Hsiao-Heng Lu, J.-S. Leu, Wei-Kuan Shih, "On the Capacity of Tree-Based P2P Streaming Systems," in **the Sixth International Workshop on Mobile Peer-to-Peer Computing (MP2P 2010)** in conjunction with **PerCom 2010**, pp. 117-122, Mannheim, Germany, 29 March-2 April 2010.
3. **Pin-Chuan Liu**, Tsun-Chieh Chiang, Yi-Fan Chien, Wei-Kuan Shih, Chih-Lin Hu, "Improving Mobile Peer-to-Peer Streaming Service with BitTorrent-like Redundant Tracker," in **the First International Workshop on Mobile Peer-to-Peer Information Services (MP2PIS)** in conjunction with **MDM 2009**, pp. 643-648, Taipei, Taiwan, R.O.C., 18-21 May 2009. (已被引用 2 次)

## 100年5&6月通過學術審查

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### Journal papers

1. Yung-Chih Chen, Chun-Yao Wang, "*Logic Restructuring Using Node Addition and Removal*", submitted to IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD), under 1<sup>st</sup> major revision.
2. Yung-Chih Chen, Chun-Yao Wang, "*Fast Node Merging with Don't Cares Using Logic Implications*", IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, pp. 1827-1832, November 2010.
3. Yung-Chih Chen, Chun-Yao Wang, "*An Implicit Approach to Minimizing Range-Equivalent Circuits*", IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, pp. 1942-1955, November 2008.

### Conference papers

1. Yung-Chih Chen, Soumya Eachempati, Chun-Yao Wang, Suman Datta, Yuan Xie, and Vijaykrishnan Narayanan, "*Automated Mapping for Reconfigurable Single Electron Transistor Arrays*", 2011 ACM/IEEE Design Automation Conference (DAC2011), San Diego, USA, June 2011.
2. Yung-Chih Chen, Chun-Yao Wang, "*Node Addition and Removal in the Presence of Don't Cares*", 2010 ACM/IEEE Design Automation Conference (DAC2010), Anaheim, USA, pp. 505-510, July 2010. (Best Paper Nominee)
3. Yung-Chih Chen, Chun-Yao Wang, "*Fast Detection of Node Mergers Using Logic Implications*", 2009 IEEE/ACM International Conference on Computer-Aided Design (ICCAD2009), San Jose, USA, pp. 785-788, November 2009.
4. Yung-Chih Chen, Chun-Yao Wang, "*Enhancing SAT-based Sequential Depth Computation by Pruning Search Space*", 2009 ACM Great Lakes Symposium on VLSI (GLSVLSI2009), Boston, USA, pp. 397-400, May 2009.

## 100年5&6月通過學術審查

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### Journal

1. **C.Y. Lin**, C.L. Chen, C.T. King, H.C. Lee "A Cyclic MAC Scheduler for Collecting Data from Heterogeneous Sensors," Computer Communications (to appear) (SCI, EI, Impact Factor (2009)= 0.933)
2. H.C. Lee, **C.Y. Lin**, C.H. Lin, S.W. Hsu, and C.T. King, "A Low-Cost Method for Measuring Surface Currents and Modeling Drifting Objects," IEEE Transactions on Instrumentation and Measurement, vol. 60, issue 3, pp 980-989, Mar 2011. (SCI, EI, Impact Factor (2009)= 1.025)

### Conference

1. H.C. Lee, **C.Y. Lin**, C.Y. Cho, C.L. Chan, Y.M. Fang, B.J. Lee, C.T. King, "The Design Considerations of a Sensor Grid for Monitoring Precipitation in Debris-Flow-Prone Area," Proc. of the 9th ACM/IEEE Conference on Information Processing in Sensor Networks (IPSN 2010) Poster Session, Stockholm, Sweden, April 2010.
2. **C.Y. Lin**, H.C. Lee, W.H. Lee, C.L. Chan, C.T. King, "SenPro: Concurrent Wireless Sensor Network System Profiling," Proc. of the 9th ACM/IEEE Conference on Information Processing in Sensor Networks (IPSN 2010) Demo Session, Stockholm, Sweden, April 2010.
3. H.C. Lee, **C.Y. Lin**, S.W. Hsu, C.T. King, "On Building Mobility Models for Floating Objects," Proc. of the 7th ACM Conf. on Embedded Networked Sensor Systems (Sensys 2009), Poster, Nov. 2009.
4. Y.-C. Tseng, C.-H. Wu, F.-J. Wu, C.-F. Huang, C.-T. King, **C.-Y. Lin**, J.-P. Sheu, C.-Y. Chen, C.-Y. Lo, C.-W. Yang, and C.-W. Deng, "A Wireless Human Motion Capturing System for Home Rehabilitation", Mobile Data Management, 2009, Taipei. (Recipient of Best Demo Award)
5. **C.Y. Lin** and C.T. King, "CyclicMAC: A Cyclic MAC Scheduling Scheme for Gathering Data from Heterogeneous Sensors," Proc. of IEEE Int'l Conf. on Parallel and Distributed Systems (ICPADS 2008), Dec. 2008.
6. S.P. Kuo, **C.Y. Lin**, Y.F. Lee, H.W. Fang, Y.W. Peter Hong, H.C. Lin, Y.C. Tseng, C.T. King, and C.L. Wang, "The NTP Experimental Platform for Heterogeneous Wireless Sensor Networks," Proc. of the 4th Int'l Conf. on Testbeds and Research Infrastructures for the Development of Networks and Communities (TridenCom 2008), March 2008.

## 100年5&6月通過學術審查

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### Journal Papers:

1. **Shih-Ying Chang**, Y.-H. Lin, H.-M. Sun, M.-E. Wu, “Practical RSA signature based on periodical re-keying for wireless sensor networks,” ACM Transaction on Sensor Networks (TOSN), **accept for publication. (EI; SCI, Impact Factor: 1.938)**
2. H.-M. Sun, **Shih-Ying Chang**, and Y.-H. Lin, “CDAMA: Conceal data aggregation for multiple applications in wireless sensor networks,” IEEE Transactions on Knowledge and Data Engineering (TKDE), **major revision.**
3. **Shih-Ying Chang**, C.-J. Lu, H.-M. Sun, and M.-E. Wu, “A Communication-Efficient Private Matching Scheme in Client-Server Model,” Information Sciences, **major revision.**

### Conference Papers:

- H.-M. Sun, **Shih-Ying Chang**, A. B. Tello, Y.-H. Chen, “An authentication scheme balancing authenticity and transmission for wireless sensor networks,” IEEE International Computer Symposium (ICS 2010), IEEE, 2010. (**Best paper award**)
- S.-Y. Chiou, **Shih-Ying Chang**, G. Mezzour, A. Perrig, Hung-Min Sun, “A trustable reputation scheme based on private relationships,” ACM/IEEE conference on Advances in Social Networks Analysis and Mining (ASONAM 2009), pp. 19-24, ACM&IEEE, 2009. (**Acceptance rate: 18%**)
- H.-M. Sun, W.-H. Chang, **Shih-Ying Chang**, Y.-H. Lin, “DepenDNS: Dependable mechanism against DNS cache poisoning,” the 8th International Conference on Cryptology and Network Security (CANS 2009), pp. 174-188, LNCS, 2009. (**Acceptance rate: 29%**)
- H.-M. Sun, **Shih-Ying Chang**, S.-M. Chen and C.-C. Chiu, “An efficient rekeying scheme for Multicast and Broadcast (M&B) in Mobile WiMAX,” IEEE Asia-Pacific Services Computing Conference (APSCC 2008), IEEE, 2008. (**Acceptance rate: 25%**)
- H.-T. Chiao, K.-M. Li, H.-M. Sun, **Shih-Ying Chang**, H.-A. Hou, “Application-Layer FEC for file delivery over the WiMAX unicast networks,” the 2th IEEE International Conference on Communication Technology (ICCT 2010), IEEE, 2010.

- H.-M. Sun, **Shih-Ying Chang**, and H.-T. Chiao, "A commitment-based scheme for securing VANDERMONDE Vandermonde codes against pollution attacks, IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS 2009), IEEE, 2009.
- H.-M. Sun, W.-C. Ting, **Shih-Ying Chang**, "Offlined simultaneous grouping proof for RFID tags," The Second International Workshop on Multimedia, Information Privacy and Intelligent Computing Systems (MPIS-2009).
- H.-M. Sun, **Shih-Ying Chang**, and H.-T. Chiao, Polynomial Interpolation Codes for Reliable Multicast Data Distribution, TENCON2009, 1-6, IEEE.
- H.-M. Sun, **Shih-Ying Chang**, Y.-H. Hung, Y.-K. Tseng and H.-T. Chiao, "Decomposable forward error correction codes based on Chinese Remainder Theorem, the International Symposium on Pervasive Systems, Algorithms, and Networks (I-SPAN 2009), IEEE, 2009.
- S.-Y. Chiou, **Shih-Ying Chang**, H.-M. Sun, "Common friends discovery with privacy and authenticity," IAS 2009, pp. 337-340, IEEE, 2009.
- H.-M. Sun, **Shih-Ying Chang**, C.-Y. Kao, C. Hsing, and C.-C. Chiu, "An efficient rekeying framework for multiple multicast and broadcast groups in mobile WiMAX," International Computer Symposium (ICS), pp. 112-117, 2008.
- H.-M. Sun, **Shih-Ying Chang**, and C.-C. Chiu, "A modular exponentiation based batch rekeying scheme for multicast and broadcast in mobile WiMAX," International Computer Symposium (ICS), pp. 183-188, 2008.
- H.-M. Sun, **Shih-Ying Chang**, Y.-H. Lin, and S.-Y. Chiou, "Efficient authentication schemes for handover in mobile WiMAX," the 8th International Conference on Intelligent Systems Design and Applications (ISDA2008), IEEE, 2008.
- H.-M. Sun, **Shih-Ying Chang**, Y.-H. Chen, B.-Z. He and C.-K. Chen, "The design and implementation of IPsec conflict avoiding and recovering system," TENCON2007, pp. 1-4, IEEE, 2007.
- H.-M. Sun, K.-H. Wang, **Shih-Ying Chang**, and L. Wan, "An authentication protocol combining deniability and forward secrecy for resisting adaptive attacks," International Computer Symposium (ICS), pp. 904-909, 2006.

### **Pending Patents:**

1. 陳政愷, 孫宏民, 林港喬, **張仕穎**, 陳帥名, 「產生及利用一特徵碼以監測一程式之裝置、方法、應用程式及其電腦可讀取媒體」, 台灣、美國專利, 已送審, 2007.
2. 孫宏民, **張仕穎**, 「輕量及彈性無線感測器訊息認證方法」, 台灣、美國專利, 已送審, 2007.

3. 陳政愷, 孫宏民, 張仕穎, 陳耀鑫, 何秉哲, 「具有一資料庫之網路裝置及用於該資料庫之網路協定連線規則之管理方法與電腦可讀取紀錄媒體」, 台灣、美國專利, 已送審, 2008.
4. 孫宏民, 林岳勳, 張仕穎, CDAMA: Concealed Data Aggregation Scheme for Multiple Applications in Mobile Ad hoc Network, 台灣、美國專利, 已送審, 2008.
5. 孫宏民, 林岳勳, 張仕穎, SEDC: Secure Encrypted Data Comparison in Wireless Sensor Networks, 台灣、美國專利, 已送審, 2008.
6. 邱錫彥, 孫宏民, 張仕穎, 林岳勳, 「無線網路的快速交遞認證方法」, 台灣、美國專利, 已送審, 2008.
7. 邱錫彥, 張仕穎, Ghita Mezzour, Adrian Perrig, 孫宏民, 「網路評價系統及其控制方法」台灣、美國專利, 已送審, 2008.
8. 焦信達, 孫宏民, 張仕穎, 「階層式前向錯誤更正編/解碼方法、編/解碼裝置及系統」, 台灣專利已送審, 美國、中國大陸專利事務所撰稿中 2010.

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### Book

1. Youn-Long Lin, Chao-Yang Kao, Huang-Chih Kuo and **Jian-Wen Chen**, "VLSI Design for H.264/AVC Video Coding – H.264/AVC Encoding from Specification to Chip," Springer-Verlag, 2009.
  - Jian-Wen Chen: write Chapter 7 Deblocking Filter and Chapter 8 CABAC Encoder

### Journal Paper

1. **Jian-Wen Chen**, Youn-Long Lin, "A High-performance Hardwired CABAC Decoder for Ultra-high Resolution Video," *IEEE Transactions on Consumer Electronics*, pp. 1614-1622, August 2009. [SCI]
  - 2009 impact factor : 0.94
  - 5-year impact factor: 1.173
  - Google Scholar Citation: 2 contains 2 IEEE paper
  - Ranking : 112/246
2. **Jian-Wen Chen**, Li-Cian Wu, Po-Sheng Liu, and Youn-Long Lin, "A High-throughput Fully Hardwired CABAC Encoder for QFHD H.264/AVC Main Profile Video," *IEEE Transactions on Consumer Electronics*, pp. 2529-2536, November 2010. [SCI]
  - 2009 impact factor : 0.94
  - 5-year impact factor: 1.173
  - Google Scholar Citation: 0
  - Ranking : 112/246

### Conference Paper

1. **Jian-Wen Chen**, Cheng-Ru Chang and Youn-Long Lin, "A Hardware Accelerator for Context-Based Adaptive Binary Arithmetic Decoding in H.264/AVC," *IEEE International Symposium on Circuits and Systems*, pp. 4525-4528, May 2005. [EI]
  - Accept rate:  $1622/2351=0.69$
  - Google Scholar Citation: 39 contains 17 IEEE papers
2. **Jian-Wen Chen**, Chao-Yung Kao and Youn-Long Lin, "Introduction to H.264 Advanced Video Coding," *IEEE/ACM Asia-South Pacific Design Automation Conference*, pp736-741, January 2006. [EI]



- Google Scholar Citation: 13 contains 2 IEEE papers
3. **Jian-Wen Chen**, Youn-Long Lin, “A High-performance Hardwired CABAC Decoder,” *IEEE International Conference on Acoustics, Speech, and Signal Processing*, pp. 37-40, April 2007. [EI]
    - Accept rate for oral presentation: 432/2912=0.148
    - Google Scholar Citation: 18 contains 11 IEEE papers
  4. Po-Sheng Liu, **Jian-Wen Chen**, Youn-Long Lin, “A Hardwired Context-Based Adaptive Binary Arithmetic Encoder for H.264 Advanced Video Coding,” *IEEE International Symposium on VLSI Design, Automation & Test*, pp. 1-4, April 2007. [EI]
    - Accept rate for oral presentation: 47/162=0.29
    - Google Scholar Citation: 11 contains 6 IEEE papers
  5. Cheng-Ru Chang, **Jian-Wen Chen**, Tzu-Jen Lo, Chun-Lin Chiu, Yen-Hong Chang, Huan-Chun Tzeng, Shen-Yu Shih, Yu-Chen Kao, Chao-Yang Kao, Youn-Long Lin, “An H.264/AVC Main Profile Hardwired Decoder,” *2006 Picture Coding Symposium (PCS)*, April 2006.
    - Google Scholar Citation: 2 contains 1 IEEE papers
  6. Huang-Chih Kuo, **Jian-Wen Chen**, Youn-Long Lin, “A High-Performance Low-Power H.264/AVC Video Decoder Accelerator for Embedded Systems,” *7th IEEE Workshop on Embedded Systems for Real-time Multimedia*, pp. 1-8, October 2009. [EI]
    - Google Scholar Citation: 1 contains 1 IEEE papers
  7. Hui-Ting Yang, **Jian-Wen Chen**, Huang-Chih Kuo, Youn-Long Lin, “An Effective Dictionary-based Display Frame Compressor,” *7th IEEE Workshop on Embedded Systems for Real-time Multimedia*, October 2009. [EI]
    - Google Scholar Citation: 0

## Patent

中華民國專利

專利名稱：“上下文之調適性二進制算術解碼器之解碼方法，”

第 I 341657 號

發明人：陳建文、林永隆

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### Journal articles:

1. Chou, W.-Y., Pai, T.-W., Jiang, T.-Y., Chou, W.-I., Tang, C.-Y. and Chang, M.D.-T. (2011) Hydrophilic aromatic residue and *in silico* structure for carbohydrate binding module. (submitted to PLoS ONE).
2. Chou, W.-Y., Chou, W.-I., Pai, T.-W., Lin, S.-C., Jiang, T.-Y., Tang, C.-Y. and Chang, M.D.-T. (2010) Feature-incorporated alignment based ligand-binding residue prediction for carbohydrate-binding modules. *Bioinformatics*, **26**, 1022-1028. (SCI, IF: 4.926, rank: 2/29 (<7%)).
3. Wang, H.-Y., Chang, H.-T., Pai, T.-W., Wu, C.-I., Lee, Y.-H., Chang, Y.-H., Tai, H.-L., Tang, C.-Y., Chou, W.-Y. and Chang, M.D.-T. (2007) Transcriptional Regulation of Human Eosinophil RNases by An Evolutionary- Conserved Sequence Motif in Primate Genome. *BMC Mol Biol*, **8**, 89.

### Conference presentations:

1. Chou, W.-Y., Pai, T.-W., Jiang, T.-Y., Chou, W.-I., Tang, C.-Y. and Chang, M.D.-T. (2011) A database of simulated CBM structures by feature-incorporated alignment. (Poster). *The 9th Asia Pacific Bioinformatics Conference*. Incheon, Korea.
2. Chou, W.-Y., Chou, W.-I., Lin, S.-C., Huang, R.-Y., Jiang, T.-Y., Chang, H.-T., Chen, C.-J., Wu, C.-M., Tang, C.-Y. and Chang, M.D.-T. (2009) Biological Feature Incorporated Alignment for Cross Species Analysis on Carbohydrate Binding Modules. (Full paper). *IEEE International Conference on Bioinformatics & Biomedicine*. Washington D.C., U.S.A. (EI, accepted rate: 18.9%)
3. Wang, H.-C., Chou, W.-Y., Chou, W.-I. and Jiang, T.-Y. (2009) Functional Residue Analysis on Protein Domain Structures of Carbohydrate Binding Modules. (Poster). *2009 Life Science College Poster Competition*. Hsinchu, R.O.C.
4. Chou, W.-Y., Chou, W.-I., Pai, T.-W., Lin, S.-C., Jiang, T.-Y., Tang, C.-Y. and

- Chang, M.D.-T. (2009) Conserved Functional Residue Detection on Carbohydrate Binding Modules with Low Sequence Identity. (Poster). *The Society of Chinese Bioscientists in America 12<sup>th</sup> International Symposium*. Taipei, R.O.C.
5. Chou, W.-Y., Chou, W.-I., Pai, T.-W., Lin, S.-C., Jiang, T.-Y., Tang, C.-Y. and Chang, M.D.-T. (2009) Multiple Weighted Sequence Alignment for Functional Residue Prediction on Carbohydrate Binding Modules. (Poster). *The Seventh Asia Pacific Bioinformatics Conference* Beijing, China.
  6. Chou, W.-Y., Chou, W.-I., Pai, T.-W., Lin, S.-C., Chang, F.-Y., Sun, Y.-J., Tang, C.-Y. and Chang, M.D.-T. (2008) Multiple Sequence Alignment for Functional Correlation among Low Similarity Sequences. (Full paper, IAPR PRIB 2008 Travel Awards). *Third IAPR International Conference on Pattern Recognition in Bioinformatics*. Melbourne, Australia. (**accepted rate: 40%**)
  7. Chou, W.-I., Chou, W.-Y., Lin, S.-C., Jiang, T.-Y., Tang, C.-Y. and Chang, M.D.-T. (2008) Functional Residue Prediction by Multiple Sequence Alignment for Carbohydrate Binding Modules. (Full paper). *8th Atlantic Symposium on Computational Biology and Genome Informatics*. Shenzhen, China.
  8. Hung, D.-Z., Chou, W.-Y., Chou, W.-I. and Lin, S.-C. (2008) Development of Novel Multiple Sequence Alignment for Functional Correlation among Starch-Binding Carbohydrate Binding Modules with Low Sequence Similarity. (Best poster award). *2008 Life Science College Poster Competition*. Hsinchu, R.O.C.
  9. Chou, W.-Y., Chou, W.-I., Pai, T.-W., Lin, S.-C., Jiang, T.-Y., Tang, C.-Y. and Chang, M.D.-T. (2008) Weighted Multiple Sequence Alignment among Starch-Binding Carbohydrate Binding Modules for Functional Binding Site Analysis. (Poster, full travel award). *The 2nd Taiwan-Japan Young Researchers Conference on Computational and Systems Biology*. Tokyo, Japan.
  10. Chou, W.-Y., Chang, M.D.-T., Chang, H.-T., Chou, W.-I., Fan, T.-C., Tzou, W.-S. and Pai, T.-W. (2008) Multiple Anchored Block Sequence Alignment Based on Short Consensus Motifs. (Poster). *Japan-Taiwan Young Researchers Conference on Computational and Systems Biology*. Hsinchu, Taiwan, R.O.C.

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### Journal Papers:

1. H. M. Sun, **C. Y. Weng**, C. F. Lee, C H. Yang, "Anti-Forensics with steganographic Data Embedding in Digital Images," to appear in *IEEE Journal of Selected Area in Communications*. (SCI, Impact Factor:3.758)
2. H. M. Sun, **C. Y. Weng**, S. J. Wang, C H. Yang, "Data Embedding in Image-media using Weight-function on Modulo Operations," to appear in *ACM Transaction on Embedded Computing Systems*. (SCI, Impact Factor:1.099)
3. C. H. Yang, **C. Y. Weng**, S. J. Wang, and H. M. Sun, "Varied PVD+LSB Evading Detection Programs to Spatial Domain in Data Embedding Systems," *Journal of Systems and Software*, Vol. 83, No. 10, pp. 1635-1643, 2010. (SCI, Impact Factor :1.340)
4. C. H. Yang, **C. Y. Weng**, S. J. Wang, and H. M. Sun, "Grouping Strategies for Promoting Image Quality of Watermarking on the Basis of Vector Quantization," *Journal of Visual Communication and Image Representation*, Vol. 21, No. 1, pp. 49-55, 2010. (SCI, Impact Factor :1.326)
5. C. H. Yang, **C. Y. Weng**, S. J. Wang, and H. M. Sun, "Adaptive Data Hiding in Edged Areas of Images with Spatial LSB Domain Systems," *IEEE Transactions on Information Forensics and Security*, Vol. 3, No. 3. pp. 488-497, Sept. 2008. (SCI, Impact Factor :2.230) (Google scholar citation: 40)

### Conference Papers:

1. H. M. Sun, **C. Y. Weng**, S. J. Wang, and C. H. Yang, "A EMD-oriented Hiding Scheme for Reversible Data embedding in Images", *International Conference on Data Engineering and Internet Technique (DEIT 2010)*, Bali, Indonesia, March, 2011.
2. H. M. Sun, **C.Y. Weng**, L. C. Lin, and S. J. Wang, "A Scheme of Modulo-based Capacity-improvement upon EMD Systems," *International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2009)*, Kyoto, Japan, Sep. 2009.
3. H. M. Sun, **C. Y. Weng**, and S. J. Wang, "Histogram-based Undetectable Fidelity Image in Steganography as MSB Controller," *ACM-Proceedings, The Second International Conference on Ubiquitous Information Management and Communication (ICUIMC 2009)*, Suwon, Korea, Jan. 2008.