

99年5月通過學術審查

87 學年度入學 (博七)

Journal Papers

- J1. **Jia-Ming Chen**, Chun-Nan Liu, Jen-Kuei Yang, Shau-Yin Tseng, Wei-Kuan Shih, and An-Yeu Wu, “Parallel Architecture Core (PAC) – the First Multicore Application Processor SoC in Taiwan, Part II: Application Programming,” *Journal of Signal Processing Systems*, Springer Press, 2010 (**Accepted**) [**SCI, EI**]
- J2. **Jia-Ming Chen**, Wan-Chen Lu, Wei-Kuan Shih, and Ming-Chung Tang, “Imprecise Computations with Deferred Optional Tasks,” *Journal of Information Science and Engineering*, vol. 25, No. 1, pp. 185-200, 2009 [**SCI, EI**]

Book Chapter

- B1. **Jia-Ming Chen**, Jenq-Shiou Leu, Hsin-Wen Wei, Li-Ping Tung, Yen-Ting Chou, and Wei-Kuan Shih, “Design and Implementation of Video on Demand Services over a Peer-to-Peer Multioverlay Network”, Book Chapter of *e-Business and Telecommunication Networks*, Springer Press, Volume 9, pp. 186-198, 2008

Conference Papers

- C1. **Jia-Ming Chen**, Chiu-Ling Chen, Jian-Liang Luo, Po-Wen Cheng, Chia-Hao Yu, Shau-Yin Tseng, Wei-Kuan Shih “Realization and Optimization of H.264 Decoder for Dual-Core SoC,” *International Conference on Signal Processing and Multimedia Applications (SIGMAP 2007)*, Barcelona, Spain, July, 2007. [**EI**] (**Acceptance Rate: 15%**)
- C2. **Jia-Ming Chen**, Hsin-Wen Wei, Jian-Liang Luo, Pou-Hang Ian, and Wei-Kuan Shih, “H.264/AVC Decoder Realization on a SoC Platform,” *International Conference on Parallel and Distributed Processing Techniques and Applications, (PDPTA 2007)*, Las Vegas, Nevada, USA, June, 2007. [**EI**]
- C3. Chiu-Ling Chen, **Jia-Ming Chen**, Jian-Liang Luo, Tien-Wei Hsieh, and Wei-Kuan Shih, “H.264/AVC Baseline Profile Decoder Optimization on PAC DSP”, *18th VLSI Design/CAD Symposium*, 2007.
- C4. **Jia-Ming Chen**, Jenq-Shiou Leu, Hsin-Wen Wei, Li-Ping Tung, Yen-Ting Chou, and Wei-Kuan Shih, “Design and Implementation of Video on Demand Services over a Peer-to-Peer Multioverlay Network”, *the International Conference on Signal Processing and Multimedia Applications, (SIGMAP 2006)*, Setúbal, Portugal, Aug. 2006. [**EI**] (**Acceptance Rate: 30%**)(**one of best paper**)

selections)

- C5. **Jia-Ming Chen**, Chih-Hao Chang, Shau-Yin Tseng, Jenq-Kuen Lee, and Wei-Kuan Shih, "Power Aware H.264/AVC Video Player on PAC Dual-Core SoC Platform", *IFIP International Conference on Embedded and Ubiquitous Computing (EUC 2006)*, Seoul, Korea, Aug. 2006. **Also in LNCS 4096**, pp. 57-68. [EI] (Acceptance Rate: 25%)
- C6. **Jia-Ming Chen**, Hsin-Wen Wei, Shau-Yin Tseng, Jenq-Kuen Lee and Wei-Kuan Shih, "An EXPERIENCE On The PROGRAMMING for The PACDSP, A VLIW DSP PROCESSOR.", *16-th VLSI/CAD Technical Program*, 2005.
- C7. Li-Ping Tung, **Jia-Ming Chen**, Wei-Fen Hsu, and Wei-Kuan Shih, "An Imprecise Computation Model in Reducing Power Consumption of Flash Memory for Portable Devices," *the 28th IEEE International Computer Software and Applications Conference (COMPSAC 2004)*, Hong Kong, China, Sept. 2004, pp. 62-63. [EI] (Acceptance Rate: 30.6%)
- C8. Wan-Chen Lu, **Jia-Ming Chen**, Wei-Kuan Shih, and Ming-Chung Tang, "Online Scheduling for Imprecise Computations with Deferred Optional Tasks," *the 10th International Conference on Real-Time Computing Systems and Applications (RTCSA 2004)*, Gothenburg, Sweden, Aug. 2004. [EI]

Patents

1. 曾紹峯, **陳家明**, 張志豪, "多核心平台的視訊解碼器功率監控方法與裝置," 中國大陸, 專利號 ZL200610107441.7, 2010/02/17

Pending Patents

1. **Jia-Ming Chen**, Chia-Hao Yu, Jian-Liang Luo, "Method and Apparatus for Adaptively Determining Compression Modes to Compress Frames," (USA)
2. **Jia-Ming Chen**, Chia-Hao Yu, Li-Hao Lin, "Low Complexity Bit-Rate Control for Video Compression in Embedded Real-Time System," (USA)
3. Shau-Yin Tseng, **Jia-Ming Chen**, Chih-Hao Chang, "Power aware method and apparatus of video decoder on a multi-core platform," (USA)
4. **陳家明**, 余家豪, 羅健良, "適應性決定壓縮模式的影像壓縮方法及裝置," (中華民國, 中國大陸)
5. **陳家明**, 余家豪, 林立浩, "嵌入式即時影像壓縮系統下低複雜度的碼流控制設計," (中華民國, 中國大陸)
6. 曾紹峯, **陳家明**, 張志豪, "多核心平台的視訊解碼器功率監控方法與裝置," (中華民國)

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90學年度入學 (博七)

Journal Paper

1. **Ke-Sen Huang**, Chun-Fa Chang, Yu-Yao Hsu and Shi-Nine Yang. Key-Probe : A Technique for Animation Keyframe Extraction. *The Visual Computer* (2005) Vol. 21 pp. 532-541.
 - Impact factor: **1.061**
 - Google Scholar Citation: **10**

Under Review Papers

1. **Ke-Sen Huang**, Chien-Hsing Chiang, Wei Chen and Shi-Nine Yang. Motion Observer: Characterizing Human Motion by its Complexity. Submitted to *ACM SIGGRAPH Asia 2010*.
2. **Ke-Sen Huang**, Chih-Kai Wang, Wei Chen, Guangyu Chen, and Shi-Nine Yang. Relation-aware Visual Analysis of Motion Datasets. Submitted to *IEEE Visualization 2010*.

In Preparation

1. **Ke-Sen Huang**, Chien-Hsing Chiang, Wei Chen, Jackie Assa, Shi-Nine Yang, and Bin-Shyan Jong. FrameRank: Assigning Importance to Animation Frames. In preparation for *IEEE Transactions on Visualization and Computer Graphics*

Conference papers

1. Shi-Nine Yang, **Ke-Sen Huang** and Hao-Ming Chen. Motion lenses: cinematography-based viewpoint selection for motion data. In *Proceedings of Computer Graphics International*, pp.121-125 2009.
2. **Ke-Sen Huang**, Choi-Kuei Huang and Shi-Nine Yang. Automatic Lighting Design for Motion Data. In *Proceedings of Computer Graphics International*, pp.72-79 2008. (Acceptance rate : 36%)

3. Xiaomao Wu, Lizhuang Ma, Can Zheng, Yanyun Chen and **Ke-Sen Huang**. On-line motion style transfer. *Lecture Notes in Computer Science (Proceedings of the 5th International Conference on Entertainment Computing)*. Vol. 4161, pp. 268-279, 2006. (Acceptance rate : 34%)
4. **Ke-Sen Huang**, Chun-Fa Chang, Yu-Yao Hsu and Shi-Nine Yang. Key-Probe : A Technique for Animation Keyframe Extraction. In *Proceedings of Pacific Graphics, 2005*. (Acceptance rate : $37 / 267 = 14\%$)
5. Xiaomao Wu, Lizhuang Ma, **Ke-Sen Huang**, Yan Gao and Zhihua Chen. Template-model based modeling and animation of human bodies with anatomical structure. In *Proceedings of The 18th annual conference on Computer Animation and Social Agents (CASA'05)*. pp.79-84. Hong Kong. October 2005. (Acceptance rate : 41%)
6. Xiaomao Wu, Lizhuang Ma, **Ke-Sen Huang**, Yan Gao and Zhihua Chen. Generic-model based human body modeling. *Lecture Notes in Computer Science (Proceedings of the 4th International Conference on Entertainment Computing)*. Vol.3711, pp. 203–214, 2005. (SCI , Acceptance rate : 26%)
7. **Ke-Sen Huang**, Yi-Chuan Tseng and Shi-Nine Yang. Expression Imitator. In *Proceedings of NICOGRAPH International 2004*.
8. **Ke-Sen Huang**, Yi-Chuan Tseng and Shi-Nine Yang. Avatar Facial Animation Synthesizer for Mobile Clients. In *Proceedings of The Second International Conference on Advances in Mobile Multimedia*, pp.25-34, 2004.

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91 學年度入學 (博七)

ACM/IEEE Journal Papers

1. **Hsien-Te Chen**, C.-C. Chang, and TingTing Hwang, "Reconfigurable ECO Cells for Timing Closure and IR Drop Minimization," *IEEE Transaction on Very Large Scale Integration (VLSI) Systems* (to be published).
 - One of the best journals on EDA and VLSI Design
 - Impact Factor of 5 Years from JCR: 1.82
 - SCI / EI
 - Chapter 2
2. **Hsien-Te Chen**, W.-H. Lo, C.-C. Chang, and TingTing Hwang, "Placement of Temperature Sensors under Process Variations," *IEEE Transaction on Very Large Scale Integration (VLSI) Systems* (first revision, under second review).
 - One of the best journals on EDA and VLSI Design
 - Impact Factor of 5 Years from JCR: 1.82
 - SCI / EI
 - Chapter 3

ACM/IEEE Conference Papers

1. **Hsien-Te Chen**, C.-C. Chang, and TingTing Hwang, "New Spare Cell Design for IR Drop Minimization in Engineering Change Order," in *Proceedings of the 46th Annual Design Automation Conference (DAC'09, San Francisco, California, July 26 - 31, 2009)*, *Proceedings of the IEEE, 2009*, pp. 402-407.
 - **Best Paper Candidate (7 out of 682 papers)**
 - One of the best conferences on EDA
 - Acceptance rate: 22% (148 out of 682 papers)
 - Chapter 2
2. **Hsien-Te Chen**, W.-H. Luo, C.-C. Chang, and TingTing Hwang, "Placement of Temperature Sensors Under Process Variations," in *International Symposium on VLSI Design, Automation and Test (VLSI-DAT, Hsinchu, Taiwan, April 26-29, 2010)*, *Proceedings of the IEEE*, pp. 271-274.
 - Acceptance rate: 45% (72 out of 159 papers)
 - Chapter 3

Other Journal or Conference Papers

1. **Hsien-Te Chen**, H.-L. Lin, Z.-C. Wang, and TingTing Hwang, “A New Architecture for Power Network in 3D IC,” had submitted to *Proceedings of International Conference on Computer-Aided Design (ICCAD), Proceedings of the IEEE, 2010*.
 - Chapter 4

Patent

1. **Hsien-Te Chen** and TingTing Hwang, “*New Architecture for Power Network in 3D IC*”, under application.

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Journal Papers

1. **Chun-Hsien Wu** and Yeh-Ching Chung, "A Polygon Model for Wireless Sensor Network Deployment with Directional Sensing Areas," *Sensors*, Vol. 9, No. 12, December 2009, pp. 9998-10022.
2. **Chun-Hsien Wu**, Kuo-Chuan Lee, and Yeh-Ching Chung, "A Delaunay Triangulation Based Method for Wireless Sensor Network Deployment," *Computer Communications*, Vol. 30, No. 15, October, 2007, pp. 2744-2752.
3. **Chun-Hsien Wu** and Yeh-Ching Chung, "A Tiling-Based Approach for Directional Sensor Network Deployment," submitted to *IEEE Transactions on Parallel and Distributed Systems*.

Conference Papers

1. **Chun-Hsien Wu** and Yeh-Ching Chung, "Heterogeneous Wireless Sensor Network Deployment and Topology Control Based on Irregular Sensor Model," *Proceedings of International Conference on Grid and Pervasive Computing (GPC), Lecture Notes in Computer Science (LNCS) 4459*, France, May 2007, pp. 78-88.
2. **Chun-Hsien Wu**, Kuo-Chuan Lee, and Yeh-Ching Chung, "A Delaunay Triangulation Based Method for Wireless Sensor Network Deployment," *Proceedings of IEEE International Conference on Parallel and Distributed Systems (ICPADS)*, USA, July 2006, pp. 253-260.

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92 學年度入學 (博七)

Journal Papers

1. Tracy Lin, **Jian Cheng Wu**, Jason S. Chang. 2004. Extraction of Name and Transliteration in Monolingual and Parallel Corpora. In R. E. Frederking and K. B. Taylor, editors, *Machine Translation: From real users to research*, vol. 3265, pp. 177-186. Springer Verlag. (SCI)
2. **Chien-Cheng Wu**, and Jason S. Chang. 2004. Bilingual Collocation Extraction Based on Syntactic and Statistical Analyses, *International Journal of Computational Linguistics and Chinese Language Processing*, 9(1), pp. 1-20.
3. Thomas C. Chuang, **Jian Cheng Wu**, Tracy Lin, Wen-Chie Shei, Jason S. Chang. 2003. Bilingual Sentence Alignment Based on Punctuation Statistics and Lexicons, *Lecture Notes in Computer Science*; Vol.3248: Lecture Notes in Artificial Intelligence, pp. 224-232, Springer-Verlag. (SCI)
4. **Jian Cheng Wu**, Jian-Heng Yu, Jason S. Chang and Thomas C. Chuang. Automatic Alignment of Bilingual Web Pages Using Machine Translation Systems. *International Journal of Computational Linguistics and Chinese Language Processing*. (Accepted)

Conference Papers

1. **Jian Cheng Wu**, Yu-Chia Chang and Jason S. Chang. 2010. Automatic Collocation Suggestion in Academic Writing. Accepted in *The 48th Annual Meeting of the Association for Computational Linguistics (ACL 2010)*. Uppsala, Sweden: University of Uppsala.
2. Han-Bin Chen, **Jian Cheng Wu** and Jason S. Chang. 2009. Learning bilingual linguistic reordering model for statistical machine translation. In *Proceedings of Human Language Technologies: the 2009 annual conference of the North American Chapter of the ACL, Boulder, Colorado (NAACL-HLT 2009)*, May 31 - June 5, 2009, pp.254-262. (acceptance rate: 75/260 = 29%)

3. Ying-Hsiu Lin, Mei-Hua Chen, **Jian Cheng Wu**, and Jason S. Chang. 2009. Automatically Identify Sections in Academic Abstracts. In *Proceedings of 2009 International Conference on Applied Linguistics & Language Teaching (ALLT 2009)*. Taipei, Taiwan: National Taiwan University of Science and Technology, pp. 357-368.
4. **Jian Cheng Wu**, Peter Wei-Huai Hsu, Chiung-Hui Tseng, and *Jason S. Chang*. 2008. Mining the Web for Domain-Specific Translations. In *Proceedings of the Eighth Conference of the Association for Machine Translation in the Americas (AMTA 2008)*, Waikiki, Hawai'i, 21-25 October 2008, pp.212-221.

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92 學年度碩士班入學，93 學年度下學期直升 (博六)

International Journals

1. Chih-Chiang Yu, Chien-Hsin Lin, and Biing-Feng Wang, "Improved Algorithms for Finding Length-Bounded Two Vertex-Disjoint Paths in a Planar Graph and Minmax k Vertex-Disjoint Paths in a Directed Acyclic Graph," *Journal of Computer and System Sciences*, accepted (SCI/EI)
2. Yong-Hsiang Hsieh, Chih-Chiang Yu, and Biing-Feng Wang, "Optimal Algorithms for the Interval Location Problem with Range Constraints on Length and Average," *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, vol. 5, no. 2, pp. 281-290, 2008 (SCI/EI)

Conference Proceedings

1. Chih-Chiang Yu, Wing-Kai Hon, and Biing-Feng Wang, "Efficient Data Structures for the Orthogonal Range Successor Problem," in *Proceedings of the 15th Annual International Computing and Combinatorics Conference (COCOON 2009)*, Niagara Falls, USA, pp. 96-105, 2009.
2. Chih-Chiang Yu, Yong-Hsiang Hsieh, and Biing-Feng Wang, "Optimal Algorithms for Locating the Longest Segment Satisfying a Range Constraint on Sum or Average," in *Proceedings of the 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing: International Conference on Foundations of Computer Science (WORLDCOMP 2007)*, Las Vegas, USA, pp. 61-67, 2007.

Submitted

1. Chih-Chiang Yu, Wing-Kai Hon, and Biing-Feng Wang, "Improved Data Structures for the Orthogonal Range Successor Problem," submitted to *ACM Transactions on Algorithms*.
2. Chih-Chiang Yu and Biing-Feng Wang, "Efficient Indexes for the Positional Pattern Matching Problem and Two Related Problems over Small Alphabets," submitted to *the 18th Annual European Symposium on Algorithms (ESA 2010)*.