

## 97 年 3 月通過學術審查

90 學年度入學 (博七)

### Journal Papers:

1. **Jiang-Chun Chen**, Jyh-Shing Roger Jang, "TRUES: Tone Recognition Using Extended Segments", ACM Transactions on Asian Language Information Processing (TALIP), accepted, Jan 2008 (EI)
2. **Jiang-Chun Chen**, Jyh-Shing Roger Jang, "Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview", International Journal of Computational Linguistics and Chinese Language Processing(IJCLCLP), pp. 443-458, Dec 2007
3. Jyh-Shing Roger Jang, Hong-Ru Lee, **Jiang-Chun Chen**, and Cheng-Yuan Lin, "Research and Development of an MIR Engine with Multi-modal Interface for Real-world Applications", Journal of the American Society for Information Science and Technology(JASIST), pp. 1067-1076, May 2004. (SCIE/EI)

### Conference Papers:

1. **Jiang-Chun Chen**, Jyh-Shing Roger Jang, "Formant-Based English Vowel Assessment for Chinese in Taiwan", Proceedings of INTERSPEECH 2006 - 8th International Conference on Spoken Language Processing (ICSLP), Pittsburgh, Sept 2006 (EI)
2. **Jiang-Chun Chen**, Chun-Jen Lee, Shou-Bin Hsu, Jyh-Shing Roger Jang, "Sausage-net-based Minimum Phone Error Training for Continuous Phone Recognition", International Symposium on Chinese Spoken Language Processing, (ISCSLP), Singapore, Dec 2006
3. **Jiang-Chun Chen**, Jyh-Shing Roger Jang, Jun-Yi Li and Ming-Jun Wu, "Automatic Pronunciation Assessment for Mandarin Chinese", IEEE International Conference on Multimedia and Expo (ICME), Taipei, Taiwan, June 2004. (EI)
4. **Jiang-Chun Chen**, Jui-Lin Lo, Jyh-Shing Roger Jang, "Computer Assisted Spoken English Learning for Chinese in Taiwan", International Symposium on Chinese Spoken Language Processing (ISCSLP), Hong Kong, Oct 2004 (EI)

5. Jyh-Shing Roger Jang, Hong-Ru Lee, **Jiang-Chun Chen**, "Super MBox: An Efficient/Effective Content-based Music Retrieval System", The 9th ACM Multimedia Conference (Demo paper), pp. 636-637, Ottawa, Ontario, Canada, Sept 2001. (EI)
6. Jyh-Shing Roger Jang, **Jiang-Chun Chen**, Ming-Yang Kao, "MIRACLE: A Music Information Retrieval System with Clustered Computing Engines", 2nd Annual International Symposium on Music Information Retrieval (ISMIR) , Indiana University, Bloomington, Indiana, USA, Oct 2001.
7. **陳江村**,羅瑞麟,張智星,李俊仁, "以語音辨識與評分輔助口說英文學習", 第十六屆自然語言與語言處理研討會(ROCLING XVI), Taipei, Taiwan, Aug 2004.
8. **陳江村**, "線上新聞語音檢索系統", 第十五屆自然語言與語音處理研討會 (ROCLING XV), Hsinchu, Taiwan, Aug 2003. (Demo paper)
9. **陳江村**、張智星, "結合 HMM 和 DTW 的兩階段式門禁系統", Proceedings of the Seventh Conference on Artificial Intelligence and Applications (第七屆人工智慧與應用研討會), Tai-Chung, Taiwan, Nov 2002

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90 學年度入學 (博七)

### Journal Papers:

1. **Hung-Chen Chen**, Yi-Hung Wu, Yu-Chi Soo, and Arbee L.P. Chen, "Continuous Query Processing over Music Streams based on Approximate Matching Mechanisms," accepted by *ACM/Springer Multimedia Systems Journal*, 2007. (SCI, EI)
2. **Hung-Chen Chen**, Arbee L.P. Chen, "A Music Recommendation System Based on Music and User Grouping," *Journal of Intelligent Information Systems (JIIS)*, Vol. 24, No. 2-3, pp. 113-132, 2005. (SCIE, EI)

### Conference Papers

1. **Hung-Chen Chen**, Chih-Hsiang Lin, and Arbee L.P. Chen, "Music Segmentation by Rhythmic Features and Melodic Shapes," *Proceeding of IEEE International Conference on Multimedia and Expo (ICME)*, pp. 1643-1646, 2004. (EI)
2. Yung-Shun Tzeng, **Hung-Chen Chen**, and Arbee L.P. Chen, "A New Approach for Rating-based Collaborative Music Recommendation," *Proceeding of the IASTED International Conference on Internet and Multimedia Systems and Applications (IMSA)*, 2004. (EI)
3. Jia-Lien Hsu, Arbee L.P. Chen, and **Hung-Chen Chen**, "Finding Approximate Repeating Patterns from Sequence Data," *Proceeding of International Conference on Music Information Retrieval (ISMIR)*, 2004.
4. Jia-Lien Hsu, Arbee L.P. Chen, **Hung-Chen Chen**, and Ning-Han Liu, "The Effectiveness Study of Various Music Information Retrieval Approaches," *Proceeding of ACM International Conference on Information and Knowledge Management (CIKM)*, pp. 422-429, 2002. (EI)

## 97 年 3 月通過學術審查

91 學年度入學 (博六)

### Journal

1. Biing-Feng Wang, Shietung Peng, Hong-Yi Yu, and Shan-Chyun Ku, "Efficient algorithms for a constrained  $k$ -tree core problem in a tree network," *Journal of Algorithms*, vol. 59, no. 2, pp. 107-124, 2006. (SCI/EI)
2. Hung-I Yu, Tzu-Chin Lin, and Biing-Feng Wang, "Improved Algorithms for the Minmax- Regret 1-Center and 1-Median Problems," *ACM Transactions on Algorithms*, accepted. (EI)

### Conference

1. Hong-Yi Yu and Biing-Feng Wang, "An Improved Algorithm for Finding  $k$ -centrums on Weighted Trees," in *Proceedings of the 9th International Conference on Parallel and Distributed Systems (ICPADS 2002)*, pp. 222-225, 2002.
2. Hung-I Yu, Tzu-Chin Lin, and Biing-Feng Wang, "Improved Algorithms for the Minmax Regret 1-Median Problem," in *Proceedings of the 12th Annual International Computing and Combinatorics Conference (COCOON 2006)*, *Lecture Notes in Computer Science*, vol. 4112, pp. 52-62, 2006.
3. Tzu-Chin Lin, Hung-I Yu, and Biing-Feng Wang, "Improved Algorithms for the Minmax Regret 1-Center Problem," in *Proceedings of the 17th International Symposium on Algorithms and Computation (ISAAC 2006)*, *Lecture Notes in Computer Science*, vol. 4288, pp. 537-546, 2006.
4. Chi-Yuan Chan, Hung-I Yu, Wing-Kai Hon, and Biing-Feng Wang, "A Faster Query Algorithm for the Text Fingerprinting Problem," in *Proceedings of the 16th Annual European Symposium on Algorithms (ESA 2007)*, *Lecture Notes in Computer Science*, vol. 4698, pp. 123-135, 2007.

## 97 年 3 月通過學術審查

91 學年度入學，92 學年度直升（博五）

### Journal papers

1. **Jui-Hung Yeh**, Chi-Chen Lee, and Jyh-Cheng Chen, “Comparative analysis of energy saving techniques in 3GPP and 3GPP2 systems,” accepted by *IEEE Transactions on Vehicular Technologies* (to appear) (SCI, EI)
2. Jyh-Cheng Chen, **Jui-Hung Yeh**, Shao-Hsiu Hong, Fu-Cheng Chen, Li-Wen Lin, and Yi-Wen Lan, “Reconfigurable architecture and mobility management for next-generation wireless IP networks,” *IEEE Transactions on Wireless Communications*, vol. 6, no. 8, pp. 3102-3113, Aug. 2007. (Full paper) (SCI, EI)
3. Pathima Agrawal, **Jui-Hung Yeh**, Jyh-Cheng Chen, and Tao Zhang, “IP multimedia subsystems in 3GPP and 3GPP2: overview and scalability Issues,” *IEEE Communications Magazine*, vol. 46, no. 1, pp. 138-145, Jan, 2008. (SCI, EI)
4. **Jui-Hung Yeh**, Jyh-Cheng Chen and Chi-Chen Lee, “WLAN standards,” *IEEE Potentials Magazine*, vol. 22, no. 4, pp. 16–22, Oct-Nov 2003. (EI)

### Conference papers

1. Jyh-Cheng Chen, **Jui-Hung Yeh**, Yi-Wen Lan, Li-Wen Lin, Fu-Cheng Chen, and Shao-Hsiu Hong. “RAMP: reconfigurable architecture and mobility platform,” in *Proc. of Global Telecommunications Conference, 2005. GLOBECOM '05. IEEE*, vol.6 , pp. 3564-3569, 28 Nov.-2 Dec. 2005.
2. Yi-Wen Lan, **Jui-Hung Yeh**, Jyh-Cheng Chen, and Zi-Tsan Chou, “Performance enhancement of IEEE 802.11e EDCA by contention adaption,” in *Proc. of Vehicular Technology Conference, 2005. VTC 2005-Spring. 2005 IEEE 61st*, vol.3, pp. 2096-2100, 30 May-1 June 2005.
3. **Jui-Hung Yeh**, Chi-Chen Lee, and Jyh-Cheng Chen, “Performance analysis of energy consumption in 3GPP networks,” in *Proc. of 2004 Wireless Telecommunications Symposium (WTS 2004)*, Pomona, LA, pp. 67 - 72, May, 2004.

4. Chi-Chen Lee, **Jui-Hung Yeh**, and Jyh-Cheng, “Impact of inactivity timer on energy consumption in WCDMA and cdma2000,” in *Proc. of 2004 Wireless Telecommunications Symposium (WTS 2004)*, Pomona, LA, pp. 15-24, May, 2004.
5. Chi-Chen Lee, **Jui-Hung Yeh**, and Jyh-Cheng, “Energy efficiency in cdma2000 high-Speed packet data services,” in *Proc. of 2003 International Conference on Wireless Networks (ICWN 2003)*, Las Vegas, NV, pp. 328-334, June, 2003.

## 97 年 3 月通過學術審查

92 學年度入學，93 學年度直升（博四）

### Journal Paper:

1. **Cheng-Han Tsai**, Tai-Yi Huang, Edward T.-H. Chu, Chun-Hang Wei, and Yu-Che Tsai, "An Efficient Real-time Disk-scheduling Framework with Adaptive Quality Guarantee," *IEEE Transactions on Computers*, 57(6):1-14, June, 2008. (main content of my entire thesis)
2. Edward T.-H. Chu, Tai-Yi Huang, **Cheng-Han Tsai**, Jian-Jia Chen and Tei-Wei Kuo, "A DVS-assisted Dynamic Power Management for Hard Real-Time Monitoring Systems," under 2<sup>nd</sup> major revision, *Journal of Real-Time Systems*, September, 2006.

### Conference Paper:

1. **Cheng-Han Tsai**, Chun-Hang Wei, Tai-Yi Huang, and Chung-Ta King, "SyncFree: An Efficient Kernel Framework for Lock-Optimized Synchronization," submitted to the *USENIX Annual Technical Conference* (USENIX), January, 2008.
2. Tai-Yi Huang, Pin-Chuan Chou, **Cheng-Han Tsai**, and Hsin-An Chen, "Automated Fault Localization with Statistically Suspicious Program States," in the *ACM SIGPLAN/SIGBED Conference on Language, Compiler and Tool Support for Embedded Systems* (LCTES), June, 2007.
3. **Cheng-Han Tsai**, Edward T.-H. Chu, and Tai-Yi Huang, "WRR-SCAN: A Rate-Based Real-Time Disk-Scheduling Algorithm," in the 4th *ACM International Conference on Embedded Software* (EMSOFT), September, 2004. (embodied as main content of chapter 4)

## 97年3月不通過學術審查

89 學年度入學，90 學年度直升（博七）

### Journal

1. A君, 共同作者, 共同作者, and 共同作者, “Generalized Rate Monotonic Schedulability Bounds Using Relative Period Ratios”, accepted and to appear in Information Processing Letters, 2008. (SCIE, EI)
2. 共同作者, 共同作者, A君, and 共同作者, “Rate monotonic schedulability tests using period-dependent conditions”, accepted by Real-Time Systems, Springer, 2007 (SCIE, EI)
3. 共同作者, 共同作者, A君, and 共同作者, “Efficient Exact Test for Rate Monotonic Schedulability using Large Period-Dependent Initial Values”, accepted and to appear in IEEE Transactions on Computers. (SCI, EI)
4. 共同作者, A君, 共同作者, 共同作者, and 共同作者, “Smallest Bipartite Bridge-connectivity Augmentation”, accepted and to appear in Algorithmica, Springer. (SCI, EI)

### Conference

1. A君, 共同作者 and 共同作者, “Real-Time Data Broadcast by PDM-EDF Algorithm” The 9th CDMA International Conference (CIC), 2004.
2. 共同作者, A君, 共同作者, 共同作者 and 共同作者 “An Experience on the Programming for the PACDSP, a VLIW DSP Processor” Conference on VLSI Design/CAD, 2005, Taiwan.
3. A君, 共同作者, 共同作者 and 共同作者, “Scheduling Real-Time Information in a Broadcast System with Non-Real-Time Information” 11th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA), 2005. (EI)
4. 共同作者, 共同作者, 共同作者, A君, and 共同作者, “Scheduling for k-fault Tolerance Checking in Hard Real-Time Systems,” Workshop on Compiler Techniques for High-Performance Computing, 2006.
5. 共同作者, 共同作者, A君, 共同作者, 共同作者, and 共同作者, “Design and Implementation of Video on Demand Services over a Peer-to-Peer Multi-Overlay



- Network, International Conference on Signal Processing and Multimedia Applications SIGMAP 2006. (EI)
6. 共同作者, A君, and共同作者, “Rate Monotonic Schedulability Conditions Using Relative Period Ratios” 12th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications RTCSA 2006. (EI)
  7. 共同作者, A君, and共同作者, “Crafting a Real-Time Message Aggregator”, National Symposium on Telecommunications, 2006
  8. 共同作者, A君, 共同作者, 共同作者, and共同作者, “H.264 Decoder Optimization on VLIW DSP Platform”, Compiler Techniques for High-Performance Computing (CTHPC) 2007
  9. 共同作者; 共同作者; A君, 共同作者, “ Period-Dependent Initial Values for Exact Schedulability Test of Rate Monotonic Systems “, IEEE International Parallel and Distributed Processing Symposium(IPDPS), 2007 (EI)
  10. 共同作者, A君, 共同作者, 共同作者, and共同作者, “Smallest Bipartite Bridge-Connectivity Augmentation (Extended Abstract)”, the third International Conference on Algorithmic Aspects in Information and Management (AAIM), 2007.(EI) **Also in Lecture Notes in Computer Science (LNCS)** (EI)
  11. 共同作者, A君, 共同作者, 共同作者, and共同作者, “H.264/AVC Decoder Realization on a SoC Platform”, The 2007 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'07), 2007.
  12. 共同作者; 共同作者; A君; 共同作者, “New Schedulability Conditions for Real-Time Multiframe Tasks”, 19th Euromicro Conference on Real-Time Systems(ECRTS), 2007 (EI)
  13. 共同作者, 共同作者, A君, 共同作者, and共同作者, “H.264 Decoder Optimization – VLIW DSP Platform”, 18th VLSI Design/CAD Symposium, 2007.
  14. A君, 共同作者, 共同作者, 共同作者, 共同作者, “Current Results on EDZL Scheduling for Multiprocessor Real-Time Systems”, 13th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications(RTCSA), 2007 (EI)
  15. A君, 共同作者, 共同作者, 共同作者, 共同作者, and共同作者, “Testing Whether a Set of Code Words Satisfies a Given Set of Constraints”, National Computer Symposium (NCS 07), 2007.
  16. A君, 共同作者, 共同作者, and共同作者, “Some Results of Using EDZL algorithm” The Fourth Taiwanese-French Conference on Information Technology Taipei, Taiwan, (TFIT 08), 2008.

## 97年3月不通過學術審查

92 學年度入學 (博五)

### Journal

1. B 君, 共同作者, and 共同作者, “Design of frame dependency for VCR streaming videos,” in *Signal Processing: Image Communication*, 2007. (SCI, EI)
2. B 君, 共同作者, and 共同作者, “Error resilient GOP structures on video streaming,” in *Journal of Visual Communication and Image Representation*, 2007. (SCI, EI)
3. 共同作者, B 君, and 共同作者, “A low-cost unrestricted fast playback scheme for video streaming,” in *IEEE Transactions on Circuits and Systems II: Express and Briefs*, 2005. (SCI, EI)

### Conference

1. B 君, 共同作者, 共同作者, “Restructuring GOP algorithm to reduce video server load on VCR functionality,” in *IEEE International Conference on Parallel Processing*, 2003. (EI)
2. 共同作者, B 君, and 共同作者, “Error resilience supporting bi-directional frame recovery for video streaming,” in *IEEE International Conference on Image Processing*, 2004. (EI)
3. 共同作者, B 君, and 共同作者, “Unequal-protected LT code for layered video streaming,” to be appeared in *IEEE International Conference on Communications*, 2008. (EI)
4. 共同作者, 共同作者, 共同作者, B 君, 共同作者, 共同作者, and 共同作者, “High-performance low-complexity bit-plane coding scheme for MPEG-4 FGS,” in *IEEE International Conference on Multimedia and Expo*, 2005. (EI)
5. 共同作者, B 君, and 共同作者, “Seamless channel transition for pyramid-based near-VoD services,” in *IEEE International Conference on Multimedia and Expo*, 2005. (EI)
6. 共同作者, B 君, and 共同作者, “Support fast scan operations with video streaming technology,” in *IEEE International Conference on Multimedia and Expo*, 2004. (EI)

## 97年3月不通過學術審查

92 學年度入學 (博五)

### Journal Papers

1. 共同作者, C 君, 共同作者, 共同作者, 共同作者 2003. "Bilingual Sentence Alignment Based on Punctuation Statistics and Lexicons", *Machine Translation and the Information Soup*, Springer-Verlag, (SCI)
2. C 君, and 共同作者 2004. Bilingual Collocation Extraction Based on Syntactic and Statistical Analyses, *International Journal of Computational Linguistics and Chinese Language Processing*
3. 共同作者, C 君, 共同作者 2004. Extraction of Name and Transliteration in Monolingual and Parallel Corpora. In *Machine Translation: From Real Users to Research*, Springer-Verlag, (SCI)
4. 共同作者, C 君, 共同作者, and 共同作者 2005. Web-Based Unsupervised Learning for Query Formulation in Question Answering, *Natural Language Processing*, Springer-Verlag,(SCI)
5. C 君, 共同作者, 共同作者 and 共同作者 2006. Automatic Alignment of Bilingual Web Pages Using Machine Translation Systems. *International Journal of Computational Linguistics and Chinese Language Processing*. (Accepted)
6. C 君, 共同作者, 共同作者 2007. Word Translation Disambiguation via Dependency, *International Journal of Computational Linguistics and Chinese Language Processing*. (Conditionally Accepted.)
7. C 君, 共同作者 2007. Learning to Find English to Chinese Transliterations on the Web. *Journal of Artificial Intelligence Research*.(Submitted)

### Conference Paper

1. C 君, 共同作者 2007. Learning to find English to Chinese transliterations on the web. In *Proceedings of the 2007 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning*
2. C 君, 共同作者 2007. Learning to find transliteration on the Web. In *Proceedings of Human Language Technology: the conference of the North*

*American Chapter of the Association for Computational Linguistics*

3. C君, 共同作者, 共同作者, 共同作者 2006. Computational Analysis of Move Structures in Academic Abstracts. In *Proceedings of the Conference of the Annual Meeting of Association for Computational Linguistics*
4. C君, 共同作者, 共同作者 2005. Learning Source-Target Surface Patterns for Web-based Terminology Translation. In *Proceedings of the ACL 2005 on Interactive poster and demonstration sessions*
5. C君, 共同作者, 共同作者, 共同作者 2004. Subsentential translation memory for computer assisted writing and translation. In *Proceedings of the ACL Interactive Poster and Demonstration Sessions*
6. 共同作者, C君, 共同作者, 共同作者 2004. Using the Web as Corpus for Un-supervised Learning in Question Answering. In *Proceedings of the Sixteenth Research on Computational Linguistics Conference*
7. 共同作者, 共同作者, 共同作者, C君 2004. The Relation between Multi-Word Units and EFL Students' Written Discourse Development. Paper given at 8th ROCMELIA/2nd APAMALL 2004 conference (CD-ROM)
8. C君, 共同作者, 共同作者, 共同作者, 共同作者 2003. TotalRecall: A Bilingual Concordance for Computer Assisted Translation and Language Learning. In *Proceedings of the 41st Annual Meeting of Association for Computational Linguistics*
9. C君, 共同作者, 共同作者, 共同作者, 共同作者 2003. TotalRecall: A Bilingual Concordance in National Project CANDLE”, In *Proceedings of the fifteenth Research on Computational Linguistics Conference*
10. 共同作者, C君, 共同作者 2003. Word-Transliteration Alignment. In *Proceedings of the fifteenth Research on Computational Linguistics Conference*
11. C君, 共同作者 2003. Bilingual Collocation Extraction Based on Syntactic and Statistical Analyses. In *Proceedings of the fifteenth Research on Computational Linguistics Conference*
12. C君, 共同作者, 共同作者 2003. TOTALrecall: A Bilingual Concordance in National Digital Learning Project CANDLE. 2003 年數位內容創意加值研討會