

## 106 年 4 月 通過 學術審查

年 級：博七（98 碩入，99 上直升）

### 著作列表

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#### Journal Papers

1. Yao-Jen Tang, Jian-Jhih Kuo, and Ming-Jer Tsai, “Zero-Knowledge GPS-Free Data Replication and Retrieval Scheme in Mobile Ad Hoc Networks Using Double-Ruling and Landmark-Labeling Techniques,” to appear in *Computer Networks*, vol. 118, pp. 62—77, 2017.
2. Bing-Hong Liu, Yao-Jen Tang, Chen-Wei Yu, and Ming-Jer Tsai, “Greedy Algorithms for Actor Redeployment in Wireless Sensor-Actor Networks,” *Wireless Networks*, vol. 21, no. 2, pp. 431—442, 2015.
3. Yuan-Po Cheng, Yao-Jen Tang, and Ming-Jer Tsai, “LF-GFG: Location-Free Greedy-Face-Greedy Routing with Guaranteed Delivery and Lightweight Maintenance Cost in a Wireless Sensor Network with Changing Topology,” *IEEE Transactions on Wireless Communications*, vol. 13, no. 12, pp. 7025—7036, 2014.
4. Yuan-Po Cheng, Chia-Yi Wu, Yao-Jen Tang, and Ming-Jer Tsai, “Retrieval-Guaranteed Location-Aware Information Brokerage Scheme in 3D Wireless Ad Hoc Networks,” *IEEE Transactions on Computers*, vol. 62, no. 4, pp. 798—812, 2013.

#### Conference Papers

1. Yao-Jen Tang, Chung-Wei Lee, Meng-Han Lin, Bing-Hong Liu, and Ming-Jer Tsai, “Energy Consumption Reduction Methods of Geographic Routing Protocols with Out-of-Date Location Information in Mobile Ad Hoc Networks,” to appear in *IEEE ICC*, 2017.
2. Yao-Jen Tang, Jian-Jhih Kuo, and Ming-Jer Tsai, “Double-Ruling-Based Location-Free Data Replication and Retrieval Scheme in Mobile Ad Hoc Networks,” in *IEEE ICCCN*, 2014.



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#### Journal Papers

1. **Chung-Che Wang** and Jyh-Shing Roger Jang, “Improving Query-by-Singing/Humming by Combining Melody and Lyric Information,” in Proc. of IEEE/ACM Transactions on Audio, Speech, and Language Processing, vol. 23, no. 4, 2015
2. Yu-Jhe Li, **Chung-Che Wang**, Liang-Yu Chen, Jyh-Shing Roger Jang, and Ren-Yuan Lyu, “使用語音評分技術輔助台語語料的驗證(Using Speech Assessment Technique for the Validation of Taiwanese Speech Corpus),” in Proc. of International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP), vol. 18, no. 4, 2013

#### Conference Papers

1. **Chung-Che Wang**, Meng-Hua Lin, Jyh-Shing Roger Jang and Wenshan Liou, “An Effective Re-ranking Method Based on Learning to Rank for Improving Audio Fingerprinting,” in Proc. of the Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2014
2. **Chung-Che Wang**, Jyh-Shing Roger Jang, and Wenshan Liou, “Speeding Up Audio Fingerprinting over GPUs,” in Proc. of the International Conference on Audio, Language and Image Processing (ICALIP), 2014
3. Wei-Tsa Kao, **Chung-Che Wang**, Kaichun K Chang, Jyh-Shing Roger Jang, and Wenshan Liou, “A two-stage query by singing/humming system on GPU,” in Proc. of the Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2013
4. Yu-Jhe Li, **Chung-Che Wang**, Liang-Yu Chen, Jyh-Shing Roger Jang, and Ren-Yuan Lyu, “使用語音評分技術輔助台語語料的驗證(Using Speech Assessment Technique for the Validation of Taiwanese Speech Corpus),” ROCLING 2013 (long abstract)

5. **Chung-Che Wang**, Che-Hsuan Chou, Liang-Yu Chen, Yu-Jhe Li, and Jyh-Shing Jang, “台語關鍵詞辨識之實作與比較(Implementation and Comparison of Keyword Spotting for Taiwanese),” ROCLING 2012
6. **Chung-Che Wang**, Chieh-Hsing Chen, Chin-Yang Kuo, and Jyh-Shing Roger Jang, “Improving Query by Singing/Humming Systems over GPUs,” in Proc. of the 41st International Conference on Parallel Processing Workshops (ICPPW), 2012
7. **Chung-Che Wang**, Chieh-Hsing Chen, Chin-Yang Kuo, Li-Ting Chiu and Jyh-Shing Roger Jang, “Accelerating Query by Singing/Humming on GPU: Optimization for WEB Deployment,” The 36th International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Kyoto, Japan, March 2012.
8. **Chung-Che Wang**, Jyh-Shing Roger Jang, and Wennen Wang, “An Improved Query by Singing / Humming System Using Melody and Lyrics Information,” in Proc. of the 11th International Society for Music Information Retrieval Conference, 2010.

#### **Patent**

1. **Chung-Che Wang**, Yao-Min Huang, and LIAO Pei-Yu, “Computer system, audio matching method, and non-transitory computer-readable recording medium thereof,” US Patent No. 9165067 (Oct. 20, 2015).
2. WANG Wen-Nan, Jyh-Shing Jang, Tzu-chun Yeh, **Chung-Che Wang**, Hsin-Wen Yu, Cheng-Yu Hsu, and Cheng-Yu Hsu, “Method and apparatus for melody recognition,” US Patent No. 8742243 (Jun 03, 2014).

#### **Book chapter**

1. **Chung-Che Wang**, Tzu-Chun Yeh, Wei-Tsa Kao, Jyh-Shing Roger Jang, Wen-Shan Liu, and Yao-Min Huang, “GPU and Cloud Computing for Two Paradigms of Music Information Retrieval,” in “Cloud Computing and Digital Media: Fundamentals, Techniques, and Applications” edited by Kuan-ching Li, Qing Li, and Timothy K. Shih, Chapman & Hall/CRC Computer and Information Science Series, 2014.

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### 著作列表

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#### **Journal Papers**

[1] Ching-Chan Wu, Shan-Hung Wu, and Wen-Tsuen Chen, “On Low-Overhead and Stable Data Transmission between Channel-Hopping Cognitive Radios,” to appear in IEEE Transactions on Mobile Computing.

#### **Conference Papers**

[1] Ching-Chan Wu, Shan-Hung Wu, “On bridging the gap between homogeneous and heterogeneous rendezvous schemes for cognitive radios,” in Proc. of ACM MobiHoc 2013: 207-216.

[2] Shan-Hung Wu, Ching-Chan Wu, Wing-Kai Hon, Kang G. Shin, “Rendezvous for heterogeneous spectrum-agile devices,” in Proc. Of IEEE INFOCOM 2014: 2247-2255.

#### **Under review**

[1] Ching-Chan Wu, Shan-Hung Wu, and Wen-Tsuen Chen, “On Designing and Analyzing Channel-Hopping Schemes for Cross-type Cognitive Radios,” submitted to IEEE Transactions on Mobile Computing.