104 年 03 月　通過 學術審查

年　　　級：96 學年度入學，博七

著作列表

Journal Papers

1. **Cheng-Yen Lin**, Chung-Wen Huang, Chi-Bang Kuan, Shi-Yu Huang, and Jenq-Kuen Lee, The Design and Experiments of A SID-Based Power-Aware Simulator for Embedded Multicore Systems, ACM *Transactions on Design Automation of Electronic Systems* (TODAES), 2014/09/18, Accepted.

2. **Cheng-Yen Lin**, Chi-Bang Kuan, Wen-Li, Shih, and Jenq-Kuen Lee, Compilers for Low Power with Design Patterns on Embedded Multicore Systems, *Journal of Signal Processing Systems*, Advance online publication (11 July 2014).
DOI: 10.1007/s11265-014-0917-9, Springer.

Conference Papers

1. Chia-Chen Hsu, **Cheng-Yen Lin**, Shin-Kai Chen, Chih-Wei Liu and Jenq-Kuen Lee, Optimized Memory Access Support for Data Layout Conversion on Heterogeneous Multi-core Systems, *Embedded Systems for Real-Time Multimedia (ESTIMedia), 2014 the 12th IEEE Symposium on*, pp.128-137, New Delhi, India, 16-17 Oct. 2014

2. **Cheng-Yen Lin**, Chi-Bang Kuan, and Jenq-Kuen Lee, Compilers for Low Power with Design Patterns on Embedded Multicore Systems, *International Workshop on Embedded Multi-core Systems* (in Conjunction with International Conference on Parallel Processing)(ICPP-EMS 2013), pp.1052-1060, Lyon, France, 1-4 Oct. 2013.

3. Kai-Mao Cheng, **Cheng-Yen Lin**, Yu-Chun Chen, Te-Feng Su, Shang-Hong Lai, and Jenq-Kuen Lee, Design of Vehicle Detection Methods With OpenCL Programming on Multi-Core Systems, *Embedded Systems for Real-Time Multimedia (ESTIMedia), 2013 the 11th IEEE Symposium on*, pp.88-95, Montreal, Canada, 3-4 Oct. 2013.

4. Yu-Hao Chang, Chi-Bang Kuan, **Cheng-Yen Lin**, Te-Feng Su, Chun-Ta Chen, Jyh-Shing Jang, Shang-Hong Lai, and Jenq-Kuen Lee, Support of Software Framework for Embedded Multi-core Systems with Android Environments, *Embedded Systems for Real-Time Multimedia (ESTIMedia), 2011 the 9th IEEE Symposium on*, pp.2-8, Taipei, Taiwan, 13-14 Oct.2011 (invited paper)

5. Pangfen Liu, Greg C. Lee, Jenq-Kuen Lee, and **<u>Cheng-Yen Lin</u>**, Innovative System and Application Curriculum on Multicore Systems, *In Proceedings of the 6th Workshop on Embedded Systems Education (WESE'11)*, Taipei, Taiwan, Oct. 2011

6. **<u>Cheng-Yen Lin</u>**, Po-Yu Chen, Chun-Kai Tseng, Chung-Wen Huang, Chia-Chieh Weng, Chi-Bang Kuan, Shih-Han Lin, Shi-Yu Huang and Jenq-Kuen Lee, Power Aware SID-based Simulator for Embedded Multicore DSP Subsystems, *In Proceedings of the 8th IEEE/ACM/IFIP International Conference on Hardware/Software Codesign and System Synthesis (CODES+ISSS'10)*, pp. 95-104, Scottsdale, Arizona, USA,   24-29 Oct. 2010.

7. **<u>Cheng-Yen Lin,</u>** Shao-Chung Wang, Ming-Yu Hung, Kun-Yuan Hsieh, and Jenq-Kuen Lee, Software Cache Support and API Design for Embedded DSP Processor, *SoC Design Conference (ISOCC), 2009 International* , pp. 161-164, 22-24, Busan, Korea, Nov. 2009 (invited paper)

年　　級：96 學年度入學，博七

著作列表

Journal Publications

1. **Te-Feng Su**, Chen-Kuo Chiang, and Shang-Hong Lai, "A Multi-Attribute Sparse Coding Approach for Action Recognition from A Single Unknown Viewpoint," accepted by *IEEE Transactions on Circuits and Systems for Video Technology*, Feb, 2015 (SCI, Impact Factor: **2.259**, Ranking: 50/248 (ENGINEERING, ELECTRICAL & ELECTRONIC))

2. **Te-Feng Su**, Chih-Hsueh Duan, Shu-Fan Wang, Yu-Tze Lee, and Shang-Hong Lai, "Automatic Facial Expression Exaggeration System with Parallelized Implementation on a Multi-Core Embedded Computing Platform," *Journal of Signal Processing Systems*, Vol.75, No.2, pp 155-168, 2014. (SCI, Impact Factor: **0.564**, Ranking: 196/248 (ENGINEERING, ELECTRICAL & ELECTRONIC))

Conference Publications

1. **Te-Feng Su**, Yi-Ling Chen, and Shang-Hong Lai, "Over-Segmentation Based Background Modeling and Foreground Detection with Shadow Removal by Using Hierarchical MRFs," *Asian Conference on Computer Vision(ACCV)*, November 2010.(Acceptance Rate : 29.5%)

2. Shih-Chieh Wang, **Te-Feng Su**, and Shang-Hong Lai, "Detecting Moving Objects from Dynamic Background with Shadow Removal," *International Conference on Acoustics, Speech, and Signal Processing(ICASSP)*, Prague, Czech Republic, May 2011.

3. **Te-Feng Su**, Jia-Jhe Li, Chih-Hsueh Duan, Shu-Fan Wang, and Shang-Hong Lai, "Parallelized Face Based RMS System on a Multi-core Embedded Computing Platform," *ICPP Workshop on Embedded Multicore Systems (ICPP_EMS)*, Taipei, Taiwan, September 2011.

4. Yu-Hao Chang, Chi-Bang Kuan, Cheng-Yen Lin, **Te-Feng Su**, Chun-Ta Chen, Jyh-Shing Jang, Shang-Hong Lai and Jenq-kuen Lee, "Support of Software Framework for Embedded Multi-core Systems with Android Environment," *The 9th IEEE Symposium on Embedded Systems for Real-time*

Multimedia (ESTIMedia), Taipei, Taiwan, October 2011.

5. Yu-Tze Lee, Chen-Kuo Chiang, Yu-Wei Sun, **Te-Feng Su**, and Shang-Hong Lai, "Parallelized Random Walks Algorithm for Background Substitution on a Multi-core Embedded Platform," *International Conference on Acoustics, Speech, and Signal Processing(ICASSP)*, Kyoto, Japan, March 2012.

6. Yu-Tze Lee, Chen-Kuo Chiang, **Te-Feng Su**, Yu-Wei Sun, Chi-Bang Kuan, and Shang-Hong Lai, "Parallelized Background Substitution System on Multi-core Embedded Platform", *ICPP Workshop on Embedded Multicore Systems(ICPP_EMS)*, Pittsburgh, USA, September 2012.

7. Karlis Dimza, **Te-Feng Su**, and Shang-Hong Lai, "Search Space Reduction in Pedestrian Detection for Driver Assistance System Base on Projective Geometry", *International Computer Symposium*, Hualien, Taiwan, 2012

8. Chen-Kuo Chiang, **Te-Feng Su**, Chih Yen, and Shang-Hong Lai,"Multi-Attributed Dictionary Learning for Sparse Coding," ***International Conference on Computer Vision(ICCV)***, Sydney, Australia, November 2013 (Acceptance Rate : 27.54%)

9. Chen-Kuo Chiang, **Te-Feng Su**, Chih Yen, and Shang-Hong Lai, "Multi-Attribute Sparse Representation with Group Constraints for Face Recognition under Different Variations," *International Conference on Automatic Face and Gesture Recognition(FG)*, Shanghai, China, April 2013 (Acceptance Rate : 35%)

10. Yu-Chun Chen, **Te-Feng Su**, and Shang-Hong Lai, "Efficient Vehicle Detection with Adaptive Scan Based on Perspective Geometry," *International Conference on Image Processing(ICIP)*, Melbourne, Australia, September 2013.

11. Yu-Tzu Lee, **Te-Feng Su**, Hong-Ren Su, Shang-Hong Lai,"Human Segmentation from Video by Combining Random Walks with Human Shape Prior Adaption", *Asia-Pacific Signal and Information Processing Association (APSIPA)*, Kaohsiung, November 2013

12. Yi-Hsien Lee, **Te-Feng Su**, Shang-Hong Lai, "Automatic Foreground Segmentation from Multi-View Images with Planar Background," *Asia-Pacific Signal and Information Processing Association(APSIPA)*, Siem Reap, the city of Angkor Wat, Cambodia, December 2014

13. Yu-Chun Chen, **Te-Feng Su**, and Shang-Hong Lai, "Integrated Vehicle and Lane Detection with Distance Estimation," *The 3rd International Workshop on Intelligent Mobile and Egocentric Vision (IMEV)*, Singapore, November 2014

14. Ping-Cheng Kuo, Chao-An Chen, Hsing-Chun Chang, **Te-Feng Su**, and Shang-Hong Lai,"3D Reconstruction with Automatic Foreground Segmentation from Multi-View images Acquired from a Mobile Device," *The 3rd International Workshop on Intelligent Mobile and Egocentric Vision (IMEV)*, Singapore,

November 2014

15. Chin-Yun Fan, **<u>Te-Feng Su</u>**, Meng-Hsuan Lin, Shang-Hong Lai, and Chih-Hsiang Yu,"3D Hand Skeletion Model Estimation from a Depth Image," *The Fourteenth IAPR International Conference on Machine Vision Applications (MVA)*, Tokyo, Japan, May 2015

In progress of submission

1. Yu-Chun Chen, **<u>Te-Feng Su</u>**, and Shang-Hong Lai, "Integrated Vehicle and Lane Detection with Distance Estimation," In preparation for submission to IEEE Transactions on Intelligent Transportation Systems
2. **<u>Te-Feng Su</u>**, Ching-Hua Weng and Shang-Hong Lai, "AU-Guided Multi-Attribute Sparse Coding for Facial Expression Recognition," In preparation for submission to IEEE Transactions on Affective Computing.