104 年 09 月　通過 學術審查

年　　級：博七 （98 博入）

著作列表

Journal Papers:

1. Y. C. Huang, K. L. Peng, and C. Y. Huang, "A History-based Cost-Cognizant Test Case Prioritization Technique in Regression Testing," *Journal of Systems and Software*, Vol. 85, Issue 3, pp. 626-637, March 2012. **(SCI, EI, 2012 Impact factor: 1.135)**. [Submitted 10 April 2011; revised 30 July 2011; accepted 14 Sept. 2011; published 17 Nov. 2011] See Appendix 1.
2. K. L. Peng and C. Y. Huang, "Reliability Assessment and Improvement for Fault-tolerance-enabled SOA Systems," *Journal of Applied Mathematics*, DOI:10.1155/2014/160608. **(SCI-Expanded, 2013 Impact factor: 0.72)**. [Submitted 18 Sept. 2013; accepted 15 Nov. 2013; published 9 Jan. 2014] See Appendix 2.
3. K. L. Peng and C. Y. Huang, "Reliability Analysis of On-Demand Service-Based Software Systems Considering Failure Dependencies," accepted for publication in *IEEE Trans. on Services Computing*. DOI: 10.1109/TSC.2015.2473843. **(SCI-Expanded, 2014 Impact factor: 3.049, Rank factor: 3/104 (Computer Science, Software Engineering; Computer Science, Information Systems))**. [Submitted 9 Sept. 2014; revised 8 Aug. 2015; accepted 19 Aug. 2015] See Appendix 3.
4. K. L. Peng and C. Y. Huang, "Stochastic Modeling and Simulation Approaches to Analyzing Enhanced Fault Tolerance on Service-Based Software Systems," *Software Testing, Verification and Reliability*, under revision. [Submitted 17 Feb. 2015; revised 27 Aug. 2015] See Appendix 4.

Conference Papers:

1. K. L. Chen, C. Y. Huang, K. L. Peng, and Y. F. Hou, "Application of Interface Interaction Model to Automate Embedded Software Testing," in *Proceedings of the 3rd International Conference on Smart Sustainable City and Big Data* (ICSSC 2015), pp. 30-34, Shanghai, China, July 2015.

2. Y. C. Hsu, C. Y. Huang, and K. L. Peng, "A Study of Applying Severity-Weighted Greedy Algorithm to Software Test Case Prioritization during Testing," in *CD-ROM Proceedings of the 2014 IEEE International Conference on Industrial Engineering and Engineering Management* (IEEM 2014), Selangor, Malaysia, Dec. 2014. **(nominated for Outstanding Paper Award)**
3. K. L. Peng, C. Y. Huang, P. H. Wang, and C. J. Hsu, "Enhanced N-Version Programming and Recovery Block Techniques for Web Service Systems," in *Proceedings of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering, International Workshop on Innovative Software Development Methodologies and Practices* (FSE InnoSWDev 2014), pp. 11-20, Hong Kong, China, Nov. 2014.
4. S. Z. Ke, C. Y. Huang, and K. L. Peng, "Software Reliability Analysis Considering the Variation of Testing-Effort and Change-Point," in *Proceedings of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering, International Workshop on Innovative Software Development Methodologies and Practices* (FSE InnoSWDev 2014), pp. 30-39, Hong Kong, China, Nov. 2014.
5. Y. S. You, C. Y. Huang, K. L. Peng, and C. J. Hsu, "Evaluation and Analysis of Spectrum-Based Fault Localization with Modified Similarity Coefficients for Software Debugging," in *Proceedings of the 37th Annual IEEE International Computer Software and Applications Conference* (COMPSAC 2013), pp. 180-189, Kyoto, Japan, July 2013.
6. K. L. Peng and C. Y. Huang, "Reliability Assessment and Analysis of Incorporating Fault Tolerance into Service-Oriented Architectural Systems," in *Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management* (IEEM 2012), pp. 797-801, Hong Kong, China, Dec. 2012. **(nominated for Outstanding Paper Award)**
7. C. J. Hsu, N. U. Rodas, C. Y. Huang, and K. L. Peng, "A Study of Improving the Accuracy of Software Effort Estimation Using Linearly Weighted Combinations," in *Proceedings of the 3rd IEEE International Workshop on Barriers towards Internet-Driven Information Services* (BINDIS 2010), pp. 98-103, Seoul, South Korea, July 2010.

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著作列表

Journal Papers

1. **Wei-Hen Lo**, Ang-Chih Hsieh, Chien-Ming Lan, Min-Hsien Lin, and TingTing Hwang "Utilizing Circuit Structure for Scan Chain Diagnosis," IEEE Transactions on VLSI Systems 22(12): 2766-2778, 2014. (SCI, impact factor =1.218)

Conference Papers

1. **Wei-Hen Lo**, Ang-Chih Hsieh, Chien-Ming Lan, Min-Hsien Lin, and TingTing Hwang "Utilizing Circuit Structure for Scan Chain Diagnosis," in Proceedings of European Test Symposium (ETS), 2013 (EI)　(acceptance rate ~ 30%)

2. Wei-Hen Lo, Kang Chi, TingTing Hwang, ''Architecture of ring-based redundant TSV for clustered faults,'' to be accepted in Proceedings of Design, Automation and Test in Europe (DATE), 2015 (EI)　(acceptance rate 22.4%)

3. Wei-Hen Lo, Yao-Hao Chen, TingTing Hwang, "Dynamic Data Migration to Eliminate Bank-level Interference for Data Parallel Applications in Multicore Systems," in Work in Progress Posters (WIP) of Design Automation Conference (DAC), 2015. (EI) (acceptance rate 19% (regular paper acceptance rate 22%))

In progress of submission

Wei-Hen Lo, Kai-Zen Liang, and TingTing Hwang, "Thermal-aware Dynamic Page Allocation Policy by Future Access Patterns for Hybrid Memory Cube (HMC),'' to be submitted in Proceedings of ACM/IEEE Design, Automation and Test in Europe (DATE), 2016