

100年3月 通過 學術審查

93 學年度入學 (博七)

International Journal Paper

1. R. C. Chen, **P. Y. Pai**, Y. K. Chan and C. C. Chang, “Lossless Image Compression Based on Multiple-Tables Arithmetic Coding,” Mathematical Problems in Engineering, Vol. 2009, Article ID 128317, 13 pages, 2009. [SCI, EI] [Impact factor: 0.553, Rank: 48/79 in ENGINEERING, MULTIDISCIPLINARY, 2009]
2. Y. K. Chan, **P. Y. Pai**, R. C. Chen, and C. C. Chang, “Group-Based VQ Codebook Generating Method,” International Journal of Innovative Computing Information and Control, Vol. 6, No. 10, pp. 4527-4537, 2010. [SCI, EI] [Impact factor: 2.932, Rank: 14/103 in COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE, 2009]
3. C.C. Chang, **P. Y. Pai**, C. M. Yeh and Y. K. Chan, “A High Payload Frequency-based Reversible Image Hiding Method,” Information Sciences, Vol.180, No.11, pp. 2286-2298, 2010. [SCI, EI] [Impact factor: 3.291, Rank: 6/116 in COMPUTER SCIENCE, INFORMATION SYSTEMS, 2009]
4. C. F. Lee, C. C. Chang, **P. Y. Pai**, and W. H. Huang, “An Effective Demosaicing Algorithm for CFA Image,” International Journal of Innovative Computing Information and Control, Vol. 6, No. 12, pp. 5489-5499, 2010. [SCI, EI] [Impact factor: 2.932, Rank: 14/103 in COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE, 2009]
5. **P. Y. Pai**, C. C. Chang, Y. K. Chan and C. C. Liao, “Meaningful Shadow Based Multiple Gray Level Visual Cryptography without Size Expansion,” International Journal of Innovative Computing Information and Control, Vol. 7, No. 2, pp. 1457-1465, 2011. [SCI, EI] [Impact factor: 2.932, Rank: 14/103 in COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE, 2009]
6. **P. Y. Pai**, C. C. Chang, Y. K. Chan, and M. H. Tsai, “An Adaptable Threshold Detector,” Information Sciences, Vol. 181, No. 8, pp. 1463-1483, 2011. [SCI, EI] [Impact factor: 3.291, Rank: 6/116 in COMPUTER SCIENCE, INFORMATION SYSTEMS, 2009]

International Conference Paper

7. C. F. Lee, **P. Y. Pai**, W. H. Huang, and C. C. Chang, “An Effective Demosaicking and Zooming Algorithm for CFA Image.” Proceedings of the Fourth International Conference on Intelligent Information Hiding and Multimedia

Signal Processing (IIHMSP 2008), pp. 1150-1153, Aug. 2008. Harbin, China. [\[EI\]](#)

8. C. C. Chang, C. C. Lin, **P. Y. Pai**, and Y. C. Chen, "A Novel Retinal Blood Vessel Segmentation Method Based on Line Operator and Edge Detector," Proceedings of The Fifth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2009), pp. 299-302, Sep. 2009. Kyoto, Japan. [\[EI\]](#)

Submitted Paper

9. **P. Y. Pai**, C. C. Chang, Y. K. Chan, and M. H. Tsai, "An Image Segmentation Based Thresholding Method," submitted to Image and Vision Computing, July, 2010.
10. **P. Y. Pai**, C. C. Chang, and Y. K. Chan, "Nucleus and Cytoplasm Contour Detector from a Cervical Smear Image," submitted to International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI), October, 2010.
11. C. F. Lee, **P. Y. Pai**, C. C. Chang, and C.M. Liu, "Adjustment Hiding Method Based on Exploiting Modification Direction," submitted to Image and Vision Computing, November, 2010.
12. C. F. Lee, C. C. Chang, C.M. Liu, and **P. Y. Pai**, "An Adjustable and Reversible Data Hiding Method Based on Multiple-base Notational System without Location Map", submitted to Journal of Digital Imaging, January, 2011.
13. C. C. Chang, **P. Y. Pai**, Y. K. Chan, C.M. Liu, "An ROI-Based Medical Image Hiding Method", submitted to International Journal of Innovative Computing Information and Control, March, 2011.