

許慶昇 副教授 Hsu, Ching-Sheng

(A) 學術期刊論文 (Journal Papers)

1. Hsu, C. S. and Tu, S. F. (2016.06). Image tamper detection and recovery using adaptive embedding rules. *Measurement*, 88, 287-296. (SCI, EI)
2. Tu, S. F. and Hsu, C. S. (2014.09). Protecting Secret Documents via a Sharing and Hiding Scheme. *Information Sciences*, 279, 52-59. (SCI, EI)
3. Tu, S. F. and Hsu, C. S. (2013.12). Constructing HVS-based Optimal Substitution Matrix Using Enhanced Differential Evolution. *Mathematical Problems in Engineering*, vol. 2013, Article ID 824239, 10 pages, doi:10.1155/2013/824239. (SCI, EI)
4. Tu, S. F., Hsu, C. S., and Wang, F. H. (2013.11). Application of Threshold Secret Sharing to Image Authentication and Recovery. *The SIJ Transactions on Computer Science Engineering & its Applications (CSEA)*, 1(4), 174-180.
5. Tu, S. F. and Hsu, C. S. (2012.05). A Joint Ownership Protection Scheme for Digital Images Based on Visual Cryptography. *International Arab Journal of Information Technology*, 9(3), 276-283. (SCI)
6. Hsu, C. S. and Tu, S. F. (2010.05). Probability-based Tampering Detection Scheme for Digital Images. *Optics Communications*, 283(9), 1737-1743. (SCI, EI) (國科會計畫編號：NSC 97-2221-E-130-019)

(B) 研討會論文 (Conference Papers)

1. Hsu, C. S. and Tu, S. F. (2015, 07, 07-10). Mobile Recommendation System for Cosmeceutical Products. *Proceedings of the Seventh International Conference on Ubiquitous and Future Networks (ICUFN 2015)*, pp. 973-976, Sapporo, Japan. (EI)
2. Hsu, C. S. and Tu, S. F. (2014, 02, 01-02). Image Tampering Detection Scheme Using Conflict Watermarks. *Proceedings of the 4th International Conference on Global Business Environment (ICGBE 2014)*, pp. 1-5, Bangkok, Thailand.
3. Tu, S. F. and Hsu, C. S. (2013, 01, 26-28). Digital image authentication and recovery based on secret sharing. *Proceedings of the International Congress on Engineering and Information (ICEAI 2013)*, pp. 254-262, Bangkok, Thailand.
4. Hsu, C. S. and Tu, S. F. (2012, 02, 1-2). Block correction-based image verification and restoration method. *Proceedings of the 2012 Asia Pacific Conference on Environmental Science and Technology (APEST 2012)*, pp. 599-605, Kuala Lumpur, Malaysia.
5. Hsu, C. S. and Tu, S. F. (2011, 08, 23-26). Image tamper detection and recovery using differential embedding strategy. *Proceedings of the 2011 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (PacRim 2011)*, pp. 339-402, Victoria, Canada. (EI)
6. Tu, S. F. and Hsu, C. S. (2011, 08, 22-25). Constructing optimal substitution matrix using Enhanced Differential Evolution. *Proceedings of the 8th International Symposium on Management Engineering 2011 (ISME 2011)*, pp. 143-148, Taipei, Taiwan.
7. 韓文舜、邱金鴻、許慶昇 (2011, 05, 26-27)。基於差異式嵌藏策略之數位影像竄改偵測與復原方法。第二十一屆資訊安全會議論文集光碟(CISC 2011)，雲林虎尾。

8. 邱金鴻、韓文舜、許慶昇 (2011, 05, 21)。基於區塊關聯的影像驗證與復原方法。第二十二屆國際資訊管理學術研討會論文集光碟(ICIM 2011)，台中霧峰。
9. Tu, S. F. and **Hsu, C. S.** (2011, 02, 26-28). Optimal vector quantization based image hiding scheme using genetic algorithm. *Proceedings of the 2011 3rd International Conference on Machine Learning and Computing (ICMLC 2011)*, Vol. 1, pp. 466- 469, Singapore. **(EI)**
10. 邱顯仁、許慶昇 (2010, 05, 27-28)。多階層式數位影像竄改偵測與回復方法。第二十屆資訊安全會議論文集光碟(CISC 2010)，新竹市。
11. Tu, S. F. and **Hsu, C. S.** (2010, 02, 26-28). An Imperceptible Frequency-Domain Watermarking Scheme without Resorting to the Original Image. *Proceedings of the 2010 International Conference on Communication Software and Networks (ICCSN 2010)*, Singapore, 360-364. **(EI)**
12. **Hsu, C. S.** and Tu, S. F. (2010, 02, 26-28). Finding optimal LSB substitution using Ant Colony Optimization Algorithm. *Proceedings of the 2010 International Conference on Communication Software and Networks (ICCSN 2010)*, Singapore, 293-297. **(EI)**

(C) 其他著作 (Other Publications)

Hsu, C.S. (April 2005). A Study of Visual Cryptography and Its Applications to Copyright Protection Based on Goal Programming and Statistics. *Ph.D. Dissertation, Department of Information Management, National Central University, Taiwan, ROC.*

歷年研究計畫：

1. 應用基因演算法之最佳化向量量化式資訊隱藏方法，國科會(NSC 100-2221-E-034-011)，2011/08/01~2012/07/31。
2. 基於差異式嵌藏策略之數位影像篡改偵測與復原方法，國科會(NSC