吳志成老師

簡歷

曾任職王安電腦楊梅廠硬體工程師 3 年，花蓮慈濟醫學中心程式設計師、醫療資訊發展組組長、資訊室專員 31 年。最大的希望是每一位畢業的同學都可以找到自己喜歡的工作、樂在其中、回饋社會，同學的成就，就是老師最大的喜悅。

學歷

國立東華大學 資訊工程學系博士

研究方向

密碼學及資訊安全 (Cryptography and Information Security)

秘密影像分享 (Secret Image Sharing)

視覺密碼 (Visual Cryptography)

區塊鏈技術 (Blockchain Technology)

專長

醫院資訊系統 (Hospital Information System)

電子病歷 (Electronic Medical Record)

資料庫設計及管理 (Database Design and Management)

資訊系統開發與管理 (Project Development & Management)

資訊安全 (Information Security)

獲獎/服務

◎ 「中華民國資訊學會」103 年度**最佳博士論文**-佳作

◎ iiWAS 2009 **Best Paper** Award in the 11th International Conference on Information Integration and Web-based Applications & Services (iiWAS2009). The title of paper is "Micropayment Schemes with Ability to Return Changes"

◎ 93 年行政院衛生署「醫療憑證管理中心」應用**推廣說明會主講人**，演講題目:醫療資訊系統導入電子簽章之參考架構與整體解決方案

發表（研究成果）列表

Publication Lists

[Journal]

項次	論文名稱
1.	C.N. Yang, **C.C. Wu**, and Y.C. Lin "k out of n Region-Based Progressive Visual Cryptography," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 29, pp. 252-262, Jan., 2019. **[SCI 5-year IF: 4.682]**.
2.	C.N. Yang, **C.C. Wu**, Y.C. Lin, and C. Kim, "Constructions and Properties of General (k, n) Block-Based Progressive Visual Cryptography," ETRI Journal, Vol. 37, No. 5, pp. 979-989, Oct., 2015. **[SCI 5-year IF: 0.762]**.
3.	C.N. Yang, **C.C. Wu**, and D. Wang, "A Discussion on the Relationship between Probabilistic Visual Cryptography and Random Grid," Information Sciences, Vol. 278, pp. 141-173, Sep., 2014. **[SCI 5-year IF: 5.305]**.
4.	S. Cimato, C.N. Yang, and **C.C. Wu**, "Visual Cryptography Based Watermarking," LNCS Transactions on Data Hiding and Multimedia Security, Vol. IX, pp. 91-109, 2014.
5.	P. Li, C.N. Yang, **C.C. Wu**, Q. Kong, and Y. Ma, "Essential Secret Image Sharing Scheme with Different Importance of Shadows," Journal of Visual Communication and Image Representation, Vol. 24, Issue 7, pp. 1106–1114, Oct., 2013. **[SCI 5-year IF: 2.591]**.
6.	C.N. Yang, and **C.C. Wu**, "MSRC: (M)icropayment (S)cheme with Ability to (R)eturn (C)hanges," Mathematical and Computer Modelling, Vol. 58, pp. 96-107, July, 2013. [2015 SCI 5-year IF: 1.602].
7.	C.N. Yang, **C.C. Wu**, Y.C. Lin, and C. Kim, "Enhanced Matrix-Based Secret Image Sharing Scheme," IEEE Signal Processing Letters, Vol. 19, Issue 12, pp. 789-792, Dec., 2012. **[SCI 5-year IF: 3.506]**.
8.	C.N. Yang, H.W. Shih, **C.C. Wu**, and L. Harn, "k out of n Region Incrementing Scheme in Visual Cryptography," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 22, No. 6, pp. 799-810, May, 2012. **[SCI 5-year IF: 4. 682]**.
9.	C.N. Yang and **C.C. Wu**, and F. Liu, "Construction of General (k, n) Probabilistic Visual Cryptography Scheme," Journal of Electronic Science and Technology, Vol. 9, Issue 4, pp. 317-324, Dec., 2011.[indexed by INSPEC].

[Conference Papers]

項次	論文名稱
1.	S.Y. Tsai, **C.C. Wu**, C.N. Yang, and Y. C. Chou, "Development and Field Trial of Electronic Medical Record with Picture Processing Capabilities," Healthcare'17 (The 2017 International Conference on Healthcare Science and Engineering), Zhengzhou, China, June, 2017.
2.	C.N. Yang, **C.C. Wu**, and C.W. Chou, "A comment on "sharing secret images using Blakley's concept"," The Ninth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2013), pp. 383-386, Beijing, China, Oct., 2013.
3.	C.N. Yang, Y.C. Lin, and **C.C. Wu**, "Region-in-Region Incrementing Visual Cryptography Scheme," LNCS 7809, pp. 449-463, IWDW 2012, (11-th International Workshop on Digital-forensics and Watermarking), Shanghai, China, Oct., 2012.
4.	S. Cimato, C.N. Yang, and **C.C. Wu**, "Visual Cryptography based Watermarking:Definition and Meaning," LNCS 7809, pp. 435-448, IWDW 2012, (11-th International Workshop on Digital-forensics and Watermarking), Shanghai, China, Oct., 2012.
5.	C.N. Yang, G.C. Wu, and **C.C. Wu**, "Certificate-in-Certificate: Designing A New Certificate Extension for Mobile-Commerce," The 2011 International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology (e-CASE & e-Tech 2011), pp. 554-564, Tokyo, Japan, Jan., 2011.
6.	C.N. Yang, Y.C. Kun, J.Y. He, and **C.C. Wu**, "A Practical Implementation of Ternary Query Tree for RFID Tag Anti-Collision," The 2010 IEEE International Conference on Information Theory and Information Security (ICITIS 2010), pp. 283-286, Beijing, China, Dec., 2010.
7.	C.N. Yang, **C.C. Wu**, C.Y. Chiu, S.Y. Chiou, and W.C. Liao, "Micropayment Schemes with Ability to Return Changes," The 11th International Conference on Information Integration and Web-based Applications & Services (iiWAS2009), pp. 354-361, Kuala Lumpur, Malaysia, Dec., 2009.
8.	C.N. Yang, C.S. Laih, **C.C. Wu**, and G.C. Wu, "RWSIS: (R)FID-enabled (W)arranty (S)ervice (I)nformation (S)ystem on Resolving Security and Privacy," The 2009 International Symposium on IT and its Applications (ITA-09) in conjunction with IEEE CSA 2009, pp. 452-456, Jeju Island, Korea, Dec., 2009.
9.	C.N. Yang, **C.C. Wu**, and C.W. Chou, "A comment on "sharing secret

	images using Blakley's concept"," The Ninth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2013), pp. 383-386, Beijing, China, Oct., 2013.

［產學合作］

項次	計畫名稱
1.	花蓮慈濟醫學中心人體生物資料庫資訊系統持續開發暨優化產學合作計畫（計畫執行期間:110/07/04~110/12/31）
2.	Development and Maintenance in Biobank Information System of Hualien Tzu Chi Hospital（計畫執行期間:111/02/03~111/12/31）