師 資 介 紹

姚 永 正 (YAO, YUNG-CHENG)

職　　稱：　專案助理教授

最高學歷：　國立中正大學電機工程研究所博士

學術專長：　微處理機/嵌入式系統、電腦網路、無線網路、感測器網路

分　　機：　23352

參考資料目錄:

****

A. Papers (期刊論文)

B. Symposium papers (研討會論文)

C. 執行研究計畫

A. Papers (期刊論文)

A1. **Yung-Cheng Yao**, Jyh-Horng Wen and Chien-Erh Weng, " The Performance Evaluation of IEEE 802.11e for QoS Support in Wireless LANs," Wireless Personal Communications, vol. 69, no. 1, pp. 413-425, March 2013. (SCI)

A2. Jyh-Horng Wen, **Yung-Cheng Yao**, Ying-Chih Kuo, "Wiener-Based SIC Scheme for ICI Cancellation in OFDM Systems under Time-varying Channels," International Journal of Advanced Information Technologies, vol.6, no. 1, pp. 93-99, June 2012.

****

B. Symposium papers (研討會論文)

B1. **Yung-Cheng Yao,** Yang-Chen Fan, Hsin-Fu Yu and Shih-Pang Chen, Dec. 2020, " A Smart Monitoring System in Fish Farm," *Proceedings of 2020 International Conference on Intelligent Computing and its Emerging Applications*, Gangwon, Republic of Korea.

B2. **Yung-Cheng Yao**, Xing-Rui Huang, Cheng-Yi Liu and Po-Wei Lin, Dec. 2020, " Intelligent Controlling System in Aquaculture," *Proceedings of 2020 International Conference on Intelligent Computing and its Emerging Applications*, Gangwon, Republic of Korea.

B3. Lie Yang, Shi-Xuan Shao, Chien-Erh Weng and **Yung-Cheng Yao**, Dec. 2020, " The Development of UAV-based Air Quality Monitor System," *Proceedings of 2020 International Conference on Intelligent Computing and its Emerging Applications*, Gangwon, Republic of Korea.

B4. **Yung-Cheng Yao** and Jyh-Horng Wen, Aug. 2019, "SEP performance for Selective Decode-and-Forward Cooperative Communications over Satellite-Terrestrial Wireless Networks," Proceedings of 2019 International Conference on Intelligent Computing and its Emerging Applications, Tainan, Taiwan.

B5. **Yung-Cheng Yao**, Yueh-Chu Wu, Fu-Tei Fan and Hao-Hsien Li, Aug. 2019, " Penghu Bus Information System and Application Software," Proceedings of 2019 International Conference on Intelligent Computing and its Emerging Applications, Tainan, Taiwan.

B6. **Yung-Cheng Yao**, Po-Wei Lin, Fu-Tei Fan, Ching-Yao Gao, Chieh-Ming Chuang and Ching-Chi Mai, Aug. 2019, " Smart Sensing and Controlling System for Home Application" Proceedings of 2019 International Conference on Intelligent Computing and its Emerging Applications, Tainan, Taiwan.

B7. Shu-Hong Lee, Yi-Yin Lin, **Yung-Cheng Yao**, Jyh-Horng Wen, Jul. 2013, " Power Allocation for Multi-Relay Amplify-and-Forward Cooperative OFDM," *Proceedings of the 7th International Conference on Complex, Intelligent, and Software Intensive Systems*, Taichung, Taiwan.

B8. Chung-Hua Chiang, **Yung-Cheng Yao**, and Jyh-Horng Wen, Jul. 2013, " Application of Space-Time Coding in a Two-Hop Amply-and-Forward Cooperative Network," *Proceedings of the 7th International Conference on Complex, Intelligent, and Software Intensive Systems*, Taichung, Taiwan.

B9. **Yung-Cheng Yao**, Ho-Lung Hung, and Jyh-Horng Wen, Jun. 2013, "OFDM System with Reduce Peak-to-Average Power Ratio Using Optimum Combination of Partial Transmit Sequences," *Proceedings of the 4th International Conference on Swarm Intelligence*, Harbin, China.

****

C. 執行研究計畫

海洋塑膠微粒偵測系統開發先期研究委託專業服務案	協同主持人	2020/02~2020/12	國家海洋研究院	
船舶動態與海域環境監測技術計畫－海洋廢棄物清除技術先期研發	協同主持人	2021/05~2021/12	國家海洋研究院	執行中