

# 師資介紹



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分機：23352

參考資料目錄:

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- A. Papers (期刊論文)
- B. Symposium papers (研討會論文)
- C. 執行研究計畫

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- 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.

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- 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 Amplify-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.

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C. 執行研究計畫

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