

寬頻網路與應用實驗室

Broadband Network and Application Laboratory

指導教授

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研究領域

本實驗室主要研究方向包括有線及無線通訊網路相關技術與服務應用。目前主要研究項目涵蓋5G網路、4G LTE/LTE-A網路、軟體定義網路、物聯網應用、機器學習在通訊網路之應用、雲端運算與服務、感測網路、行動裝置軟體設置與應用、及服務品質管理等。

Wireless, 5G NR, 4G LTE/LTE-A, Software-defined networking, IoT application, Machine Learning networking application, Cloud Computing, Cross-platform Mobile application, QoS and Traffic management, Block-Chain application.



近期研究成果

論文發表

- ◆Yen-Wen Chen*, Yen-Yin Chu, Chun-Hsien Kung (2019, Jan). Dynamic group based scheduling of machine-to-machine communication for uplink traffic in LTE networks. International Journal of Ad Hoc and Ubiquitous Computing, Vol.30, No. 1, pp.48 - 58. (SCIE, 135/148, COMPUTER SCIENCE, INFORMATION SYSTEMS).
- ◆Yen-Wen Chen*, Po-Yin Liao, Yu-Ching Chen (2018, Nov). Study of relay-based ad hoc rendezvous and data transmission in cognitive radio networks. Pervasive and Mobile Computing, 51, pp. 160-173. (SCIE, 33/148, COMPUTER SCIENCE, INFORMATION SYSTEMS).
- ◆Yen-Wen Chen*, Yen-Yin Chu, Chih-Wei Lai (2017, May). Study on State Dependent Radio Resource Scheduling for Downlink Traffic in LTE Networks. Wireless Personal Communications, pp. 1-15. (SCI, 66/87, Telecommunication).
- ◆Yen-Wen Chen, Yu-Hsuan Lin (2018, Aug). Study of Rule Placement Schemes for Minimizing TCAM Space and Effective Bandwidth Utilization in SDN. IEEE FiCloud 2018 - The 5-th International Symposium on Intercloud and IoT (ICI).
- ◆Yen-Wen Chen, Chen-Ju Chen (2017, Apr). Study of Downlink Radio Resource Allocation Scheme with Interference Coordination in LTE-A Network. 2017 The 9th International Conference on Future Computer and Communication (ICFCC 2017).

專題及比賽成果

- ◆107學年度 通訊工程學系專題競賽 特優 (題目：X戰警：超級辦辦辦)
- ◆107學年度 資訊電機學院 大學部專題競賽 優等 (題目：X戰警：超級辦辦辦)
- ◆107學年度 通訊工程學系專題競賽 佳作 (題目：Easy Reader)
- ◆2018年經濟部全國搶鮮大賽，獲創新實作類優選 (題目：循環經濟共享櫃)
- ◆2018年經濟部全國搶鮮大賽，獲創新實作類優選 (題目：Foreseer)
- ◆2018年桃園黑客松大賽獲得Open Data組 第三名 (題目：Little Fighter -以機器學習進行空汙預測)
- ◆2017年Mobile_Hero全國通訊軟體大賽(SDN/NFV)獲得佳作 (題目：基於SDN架構之負載平衡機制)