

## 一、 期刊論文

1. Y.S. Liu and Jung-Shyr Wu “A Chunk-Based Scheduling Algorithm Considering User Satisfaction for SC-FDMA Transmission” ,Wireless Personal Communications, February 2017, Volume 92, [Issue 4](#), pp 1387–1405
2. Jung-Shyr Wu, Yu-Shun Liu, Zhi-Kai Zhan ,“Adaptive Resource Balanced Allocation Algorithm for Inter-Cell Interference”, International Journal of Emerging Trends & Technology in Computer Science, Volume 5, Issue 6, p. 35-48, December 2016
3. Jung-Shyr Wu, Ruu-Sheng Huey, “A Novel Routing Approach for Wireless Ad Hoc Networks Based on Game Theory”, Journal of Internet Technology, Vol. 16, No.4, P.601-614 (2015/7) (SCI)
4. Jung-Shyr Wu, Ruu-Sheng Huey, “Improved Joint Radio Resource Management Usage Grey Fuzzy Control in Heterogeneous Wireless Networks”, Journal of Internet Technology, Vol. 16, No.5, P.777-788 (2015/9) (SCI)
5. S.T. Sheu, Y.C. Cheng, P.J. Hsieh, Jung-Shyr Wu, LW. Chen (2014, Apr). Agent Based Coordination Scheme for IEEE 802.11p Wireless Vehicular Networks. IEICE Transactions on Communication, E97-B, No.4, 849-866.
6. Shiann-Tsong Sheu, Yen-Chieh Cheng, Jung-Shyr Wu, Frank Chee-Da Tsai, LuWei Chen (2014, Apr). Coordinated Interleaving Access Scheme for IEEE 802.11p Wireless Vehicular Networks.. IEICE Transactions on Communications, 97-B(4): 826-842.
7. Jung-Shyr Wu and Jiun-Yu Tu, “A Fast IMS Service Recovery Mechanism for the Handover Over MIH-Capable Heterogeneous Networks”, Wireless Personal Communication, Volume 68, Issue 4, pages 1761-1787, Feb., 2013.
8. Jung-Shyr Wu , Ruu-Sheng Huey, “A Routing Protocol using Game Theory in Wireless Ad Hoc Networks”, Przegląd Elektrotechniczny, 1b, pages 187-189, 2013.
9. S.F. Yang and Jung-Shyr Wu\*, "Performance Evaluation of Priority based Adaptive Multi-Guard Channel Call Admission Control for Multiclass Services in Mobile Networks." International Journal of Communication Systems , Volume 26, Issue 5, pages 597-609, May 2013.
10. Jiun-Yu Tu, Jung-Shyr Wu\*, “Active Seamless SVC Streaming Video Service over Wireless Access Networks,”Advanced Science Letters, Volume 9, Number 1, April 2012.
11. C.C. Liang and Jung-Shyr Wu\*, ”A Novel Bandwidth Allocation Algorithm for IEEE 802.16 TDD Mode Wireless Access Networks”, Wireless Personal Communications., Volume 67, Issue 3, pp 665-688 December 2012.

12. Jung-Shyr Wu\* and C.C. Liang, "An Integrated Buffer Management for the TDD mode in IEEE 802.16 BWA Networks", *International Journal of Internet Protocol Technology*, vol.7, no.2, pp. 77-84, 2012 Nov.
13. Jiun-Yu Tu, Jung-Shyr Wu\* and Chiung-Fang Hsu, "A Cross-multilayer Mechanism Design for Improving Video Quality of SVC Coded Video Streams over Mobile WiMAX Networks", *International Journal of Internet Protocol Technology*, V6, n1-2, pp. 123-134, 2011 Nov.
14. Jung-Shyr Wu\* and S.F. Yang, "Joint Radio Resource management in Heterogeneous Wireless Networks by Using Combined Fuzzy Logic and MADM," *International Journal of Internet Protocol Technology*, vol. 6, no. 3, pp. 135-145, 2011 Nov.
15. Wang-Hsin Hsu, Yi-Yuan Chiang, and Jung-Shyr Wu, "Integrating LCS and SVM for 3D Handwriting Recognition on Handheld Devices using Accelerometers," *WSEAS Transaction on Computers*, vol.9, pp. 235-251, 2010 Mar.
16. Yen-Chieh Cheng, Shiann-Tsong Sheu, and Jung-Shyr Wu, "Vehicular Grouping Access Strategy for supporting Roadway Planning in IEEE 802.11p Wireless Vehicular Networks," *J. of Information Science and Eng.*, Vol. 26 no: 3, pp.933-950, MAY 2010.
17. S.F. Yang, J.S. Wu, Guard Channel based Call Admission Control Schemes in Hierarchical Mobile IPv6 Networks, *International Journal of Communication Networks and Information Security (IJCNIS)* Vol. 2, No. 2, pp.68-76, August 2010.
18. Yen-Chieh Cheng, Shiann-Tsong Sheu, and Jung-Shyr Wu, "Vehicular Grouping Access Strategy for supporting Roadway Planning in IEEE 802.11p Wireless Vehicular Networks," *J. of Information Science and Eng.*, Vol. 26 no: 3, pp.933-950, MAY 2010.
19. Pan, S.W. and J.S. Wu, "Collision-aware adaption of contention window in 802.11e WLAN," *International journal of Computer Networks & Communications*, vol. 1, no.2, pp.12-24, 2009 Nov.
20. Wang-Hsin Hsu, Kun-Yuan Tu, Jung-Shyr Wu, and Chia-Shu Liao, "Frequency Calibration Based on Adaptive Neural-Fuzzy Inference System," *IEEE Transactions on Instrumentation & Measurement*, Vol. 58, No. 4, pp. 1229-1233, 2009 Mar.
21. S. W. Pan and Jung-Shyr Wu, "Throughput Analysis of IEEE 802.11e EDCA under Heterogeneous Traffic," *Computer Communications*, Vol. 32, No. 5, pp.935-942. 2009 Dec.
22. Shun-Fang Yang, Jung-Shyr Wu and B. J. Huang, "A Terminal-Controlled Vertical Handover Decision Scheme in IEEE 802.21 Enabled Heterogeneous Wireless Networks", *International Journal of Communication Systems*, vol. 22, No. 7, pp. 819-834, 2009 May.

23. Wen-Yen Lin and Jung-Shyr Wu, "Mobility management in all-IP two-tier cellular networks", *Computer Communications*, Vol. 30 , p. 3442–3446, 2007 Aug.
24. Shun-Fang Yang, Jung-Shyr Wu and, Wen-Yen Lin," Hierarchical Mobile IPv6 Mobility Management in Integrated Wi-Fi and WiMAX Networks", *Journal of Internet Technology* Vol.8 No.3 2007.
25. Shiann-Tsong Sheu, Jung-Shyr Wu, Chi-Hao Huang, Yen-Chieh Cheng and LuWei Chen,DDAS: Distance and Direction Awareness System for Intelligent Vehicles “, *J. of Information Science and Engineering* Vol. 23 No.3, pp.709-722 May 2007.
26. W.-Y. Lin and Jung-Shyr Wu, “ Modified EDCF to improve the performance of IEEE 802.11e WLAN”, *Computer Communications*, Vol. 30, pp.841-848, 2007 Aug.

## 二、 研討會論文

1. S.F. Yang, J.S. Wu, A Spectrum Sharing Method based on Fuzzy Logic in IEEE 802.22 WRAN, *IEEE International Conference on Wireless Communications and Signal Processing (WCSP 2010)*, 21-23 October 2010, Suzhou, China.
2. Tu, Jiun-Yu, Wu, Jung-Shyr; Hsu, Chiung-Fang; Wang, Chih-Sheng, “The adaptive seamless service mechanism design for scalable video coding extension of H.264/AVC video stream over IEEE 802.16e network”, *International Conference on Advanced Communication Technology, ICACT*, v 2, p 1294-1299, 2010.
3. Shiann-Tsong Sheu, Yen-Chieh Cheng and Jung-Shyr Wu, “ A Channel Access Scheme to Compromise Throughput and Fairness in IEEE 802.11p Multi-Rate/Multi-channel Wireless Vehicular Networks”, *IEEE VTC*, Taipei, 2010.
4. 楊(Yang)舜仿(Shun-Fang), 吳(Wu)中實(Jung-Shyr), 林(Lin)強生(Johnson), “基於模糊邏輯之頻譜分享於 IEEE 802.22 跨基地台共存”, 2009 年全國電信研討會, NST2009, Paper ID: 396.
5. Wang-Hsin Hsu, Yi-Yuan Chiang\*, and Jung-Shyr Wu, "SVM-based Fuzzy Inference System (SVM-FIS) for Frequency Calibration in Wireless Networks," *CIT'09*, December 29-31, 2009 Athens, Greece.
6. J.S. Wu, S.F. Yang, H.H. Huang, "Performance Analysis of An Adaptive Multi-guard Channel Scheme based CAC Strategy in Wireless Networks". *IASTED International Conference on Communication Systems, Networks and Applications (CSNA 2009)*, Oct 12 ~ 14, 2009 , Beijing, China.
7. Jung-Shyr Wu, Juin-Yu Tu, Chiung-Fang Hsu, "QoS Optimized Cross Multi-layer Transmission for SVC Coded Video Stream over IEEE 802.16e Network," *IEEE ANTS*, Dec. 14-16, India, 2009.
8. Jung-Shyr Wu, "A Pre-Binding Update Fast Handover Control Using IEEE 802.21 MIH over 802.16e Networks", *2009 International Conference on Communications and Mobile Computing*, January 6-8, 2009, Kunming, Yunnan, China.

9. 林文彥、吳中實、胡國元、戴暉真, "802.11 Ad-Hoc 網路中 Rate-base 之路由協定設計", pp. 388-393, 第七屆離島資訊技術與應用研討會, 2008 年 5 月 30~31 日, 澎湖吉貝
10. 鍾誠倫、徐旺興、吳中實, "使用 ANFIS 之時間及頻率備援系統", 第七屆離島資訊技術與應用研討會, pp.413-416, 2008 年 5 月 30~31 日, 澎湖吉貝
11. C.C. Liang and Jung-Shyr Wu, "A Newly Proposed Bandwidth Allocation Algorithm for IEEE 802.16 Wireless Access Systems", 2008 International Symposium on Communications and Information Technologies, Oct. 21-23, Vientiane, Lao PDR, 2008.
12. Wang-Hsin Hsu, Kun-Yuan Tu, Jung-Shyr Wu, and Chia-Shu Liao, "Frequency Calibration Based on ANFIS", 2008 Conference on Precision Electromagnetic Measurements (CPEM 2008) 8-13 June 2008, Broomfield, Colorado.
13. Bor-Jiunn Hwang, Jiun-Yu Tu, Jung-Shyr Wu, Fang-Chang Kuo and Yu-Shun Liu, "Integrated QoS Signaling with Adaptive Resource Allocation Strategy for Multi-service Networks", 2008 Int. Computer symposium, Taipei.
14. Shiann-Tsong Sheu, Yen-Chieh Cheng, Lu-Wei Chen and Jung-Shyr Wu, "Listening Interval Spreading Approach (LISA) for Handling Burst Traffic in IEEE 802.16e Wireless Metropolitan Area Networks", IEEE VTC fall, 2008.
15. J.S. Wu, S.F. Yang, H.H. Huang, A vertical Media-Independent Handover decision algorithm across Wi-Fi™ and WiMAX™ networks, Wireless and Optical Communications Networks, 2008. WOCN '08. 5th IFIP International Conference on, May 5-7 2008, Indonesia, pp. 1-5.
16. H.H. Huang and J.S. Wu, "Pre-Binding Update Scheme Using 802.21 over IEEE 802.16e Networks", Wireless and Optical Communications Networks, 2008. WOCN '08. 5th IFIP International Conference on, May 5-7 2008.
17. H.H. Huang and J.S. Wu, "A Multiple Cross-Layers Explicit Fast Handover Control Using MIH in 802.16e Networks", Wireless and Optical Communications Networks, 2008. WOCN '08. 5th IFIP International Conference on, May 5-7 2008.
18. Wen-Yen Lin and Jung-Shyr Wu, "802.11 Ad-Hoc 網路中 Rate-base 之路由協定設計" ITAOOI2008 p388-393. May, 2008.
19. Wen Yen Lin and Jung-Shyr Wu, "Modified EDCA to Improve the Performance of IEEE 802.11 e Contention-Based Channel Access" ITC-CSCC 2008, Japan, pp. 73 - 76 July 6-9 2008.
20. J.S. Wu, S.F. Yang, A IEEE 802.21 Handover Design with QoS provision across WLAN and WMAN, ICCAS 2008, International Conference on Communications, Circuits and Systems, pp. 548-552.
21. S.F. Yang, J.S. Wu, B.J. Hwang, "Admission Control for Multi-services Traffic in Hierarchical Mobile IPv6 Networks using Fuzzy Inference System", ACM Mobility Conference 2008, 5th International Conference on Mobile Technology, Applications and Systems, Ilan, Taiwan September 2008, pp.1-7.
22. Shun-Fang Yang and Jung-Shyr Wu, "Handoff Management Schemes across Hybrid WiMAX and Wi-Fi Networks", IEEE TENCON 2007, WeCN-O1.1, 34.

23. Bor-Jiunn Hwang, Wen-Yen Lin, Jung-Shyr Wu, "QoS Guarantee for Wireless LAN with Fairness Transmission", IEEE TENCON 2007, WeCN-O3.4,192.
24. Jung-Shyr Wu, Shih-Wei Pan, Tsung-Jen Wan, "Congestion Control in QoS-Aware Wireless Enterprise Networks", IEEE TENCON 2007.
25. Jung-Shyr Wu and W.S. Hsu, "A Study of Hierarchical Packet Scheduling on UMTS", pp.1056-1060, IEEE VTC 2007-spring, Dublin, Ireland.
26. Shun-Fang Yang, and Jung-Shyr Wu, "Mobile IPv6 Mobility Management in Integrated Wi-Fi and WiMAX Networks", pp. 1152-1156, IEEE VTC 2007-spring, Dublin, Ireland.
27. Shun-Fang Yang and Jung-Shyr Wu, "Call Admission Control Schemes for QoS provisioning in Mobile IPv6 Networks", ITC-CSCC 2007, WB3-2, July 8-11, Busan, Korea.
28. Bor-Jiunn Hwang, Wen-Yen Lin and Jung-Shyr Wu, "QoS Guarantee for Wireless LAN with Fairness Transmission", ITC-CSCC 2007, WB3-5, July 8-11, Busan, Korea.
29. S.-F. Yang and J.-S. Wu, "Mobility based Call Admission Control in Hierarchical Mobile IPv6 Networks," IASTED Communication Systems and Networks, 4/2 - 4/4, 2007, Phuket, Thailand.

### 三、 專書或專章

1. Wang-Hsin Hsu, Yi-Yuan Chiang, and Jung-Shyr Wu, 2012. "A System with Hidden Markov Models and Gaussian Mixture Models for 3D Handwriting Recognition on Handheld Devices Using Accelerometers," Behavior Computing: Modeling Analysis, Mining and Decision, ISBN: 978-1-4471-2968-4 (Print) 978-1-4471-2969-1 (Online), pp. 327-336, Springer.