

## Publication List Updated in March 2014

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### Journal Papers

1. **L. Wang** and V. Fodor, "Dynamic Cooperative Secondary Access in Hierarchical Spectrum Sharing Networks," submitted to IEEE Transaction on Wireless Communications (under revision).
2. **L. Wang** and V. Fodor, "On the gain of primary exclusion region and vertical cooperation in spectrum sharing wireless networks," IEEE Transactions on Vehicular Technology, Vol.61, No.8, pp. 3746-3758, 2012.
3. **L. Wang**, Y. Ji and F. Liu, "Adaptive subframe partitioning and efficient packet scheduling in OFDMA cellular systems with fixed decode-and-forward relays," IEICE Transactions on Communications, Vol. E92-B, No.3, pp.755-765, 2009.
4. **L. Wang**, F. Liu, X. Wang and Y. Shi, "A diff-service minislot scheduling algorithm in IEEE 802.16 mesh mode," Journal of Computer Engineering and Application, vol.42 (34): 105-108, 2006, (in Chinese).
5. Y. Shi, F. Liu, Y. Qian and **L. Wang**, " Slot Allocation Algorithm Based on QoS for IEEE 802.16 in Mesh Mode," Computer Engineering, vol.33 (09): 109-111, 2007, (in Chinese).

### Conference Papers

1. **L. Wang** and V. Fodor, "Cooperate or not: the secondary user's dilemma in hierarchical spectrum sharing networks," in Proc. of ICC 2013.
2. **L. Wang** and V. Fodor, "On the gain of vertical cooperation in cognitive radio networks," in Proc. of ICC 2011.
3. **L. Wang**, V. Fodor and M. Skoglund, "Cooperative communication for spatial frequency reuse multihop wireless networks under slow Rayleigh fading," in Proc. of ICC 2011.
4. L. Zu, Y. Ji, **L. Wang**, L. Zhong, F. Liu, P. Wang and J. Xu, "Joint optimization in multi-user MIMO-OFDMA relay-enhanced cellular networks," in Proc. of WCNC 2011.
5. **L. Wang** and V. Fodor, "Cooperative geographic routing in wireless mesh networks," in Proc. of IEEE MASS workshop on MeshTech 2010.
6. **L. Wang**, Y. Ji and F. Liu, "Joint optimization for proportional fairness in OFDMA relay-enhanced cellular networks," in Proc. of WCNC 2010.
7. **L. Wang**, V. Fodor, M. Skoglund, "Using cooperative transmission in wireless Multihop Networks," in Proc. of IEEE PIMRC 2009.

8. **L. Wang**, Y. Ji and F. Liu, "Resource allocation for OFDMA relay-enhanced system with cooperative selection diversity," in Proc. of IEEE WCNC 2009.
9. **L. Wang**, Y. Ji and F. Liu, "A semi-distributed resource allocation scheme for OFDMA relay-enhanced downlink systems," in Proc. of the 4th IEEE Broadband Wireless Access workshop (BWA) 2008.
10. **L. Wang**, Y. Ji and F. Liu, "A novel centralized resource scheduling scheme in OFDMA-based two-hop relay-enhanced cellular systems," in Proc. of IEEE WiMob 2008.
11. **L. Wang**, Y. Ji, F. Liu and J. Li, "Performance Improvement through relay channel partitioning and reuse in OFDMA multihop cellular networks," in Proc. of IWCMC 2008.
12. L. Shan, **L. Wang**, F. Liu and Y. Ji, "Predictive group handover scheme with channel borrowing for mobile relay systems," in Proc. of IWCMC 2008.
13. **L. Wang**, F. Liu Y. Ji, "Performance analysis of fast handover schemes in IEEE 802.16e broadband wireless networks," in Proc. of 2007 APAN Network Research Workshop.
14. **L. Wang**, F. Liu, Y. Ji and N. Ruangchaijatupon, "Admission control for non-preprovisioned service flow in wireless metropolitan area networks," in Proc. of ECUMN 2007.
15. N. Ruangchaijatupon, **L. Wang** and Y. Ji, "A Study on the performance of scheduling schemes for broadband wireless access networks," in Proc. of ISCIT 2006.
16. X. Wang, L. Tang, F. Liu and **L. Wang**, "An improved adaptive blue algorithm in network congestion control," in Proc. of ICOCN 2005.

#### **Other Publications (non-reviewed)**

1. **L. Wang** and V. Fodor, "Using cooperative transmission in wireless multihop network," The Ninth Scandinavian Workshop on Wireless Adhoc Networks (Adhoc 2009), Uppsala, May 4-5, 2009.
2. **L. Wang** and V. Fodor, "Asymptotic performance of vertical cooperation in cognitive radio networks," The Second Nordic Workshop on System and Network Optimization for Wireless (SNOW 2011), Sweden, 24 - 26 March 2011.
3. **L. Wang** and V. Fodor, "On the gain of cognition and cooperation in hierarchical cognitive radio networks," Swe-CTW 2011, Stockholm, 19-21 October 2011.
4. **L. Wang**, F. LIU, Y. Ji, "A study on the performance of fast handover schemes in IEEE 802.16e broadband wireless networks, " in proc. of IEICE 2007 Society Conference (English Session Award).