

Hung-Hui Juan

Room 412, Assembling Building 1, 1001 Ta-Hsueh Road, Hsinchu, Taiwan 30010

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Experience

- Postdoctoral researcher 2011/07~2011/10

Education

- Ph.D., Institute of Electronics, NCTU, Taiwan 2006/02~2011/01
- M.E., Institute of Electronics, NCTU, Taiwan 2004/09~2006/01
- B.E., Department of Electronic Engineering, NCTU, Taiwan 2000/09~2004/06

PhD Dissertation and Advisor

“Scheduling and Resource Allocation in Wireless Cellular Systems”

Advisor: Dr. ChingYao Huang, Associate Professor, Institute of E.E., NCTU

Research Interests

Wireless Communications

Wireless Multimedia Transmission

Image Processing

Awards

- The member of the Phi Tau Phi Scholastic Honor Society of the Republic of China, 2011.
- Ph.D Scholarship, 2 years, Institute of Electronics, NCTU.
- Academic Achievement Awards, 2 semesters, Institute of Electronics, NCTU.
- Academic Achievement Awards, 4 semesters, Department of E.E., NCTU.
- Calculus Contest Award, NCTU, 2001.

Publication list

- Hung-Hui Juan, Hsiang-Chun Huang, ChingYao Huang, and Tihao Chiang, “Cross-layer System Designs for Scalable Video Streaming over Mobile WiMAX,” *Proceedings of IEEE Wireless Communications and Networking Conference 2007 (WCNC 2007)*.
- Hung-Hui Juan, Hsiang-Chun Huang, ChingYao Huang and Tihao Chiang, “Scalable Video Streaming over Mobile WiMAX,” *Proceedings of IEEE International Symposium on Circuits and Systems 2007 (ICICS2007)*.
- ChingYao Huang, Hung-Hui Juan, Meng-Shiang Lin, and Chung-Ju Chang, “Radio Resource Management of Heterogeneous Services in Mobile WiMAX Systems,” *IEEE Wireless Communications Magazine*, February 2007.
- Hung-Hui Juan, Hsiang-Chun Huang, ChingYao Huang, and Tihao Chiang, “Cross-layer mobile WiMAX MAC designs for the H.264/AVC scalable video coding,” *ACM Wireless Networks*, January 2010.

- Hung-Hui Juan, ChingYao Huang, “Analytical Model for Wireless Communication Systems,” *IEEE Communications Letters*, June 2010.
- Henry Horng-Shing Lu, Hung-Hui Juan, Tung-Yu Wu, and Ann-Shyn Chiang, “A Crosstalk Tolerated Neural Segmentation Methodology for Brainbow Images,” *Proceedings of 4th International Symposium On Applied Sciences In Biomedical And Communication Technologies (ISABAL)*, 2011.
- Tung-Yu Wu, Hung-Hui Juan and Henry Horng-Shing Lu, “Improved Spectral Matting by Iterative K-means Clustering and The Modularity Measure,” submitted to *IEEE International Conference on Acoustics, Speech, and Signal Processing*, 2012.

Programming Skill

C/C++, MATLAB

Project Participation

- NSC Project, “Next Generation Wireless High-Speed System Designs”
- MediaTek Project
Involved Professors: Kuo-Chen Wang, Chien Chen, ChingYao Huang.
- MediaTek Project
Involved Professors: T. S. Lee, Y. T. Su, W.R. We, K.T. Feng, ChingYao Huang.
- NCTU Project “Efficient learning in spectral matting and its applications to image science”
Involved Professors: Henry Horning-Shing Lu, Sheng-Jyh Wang, and Chin-Tien Wu.