

Research on **PAPR Reduction, Channel Estimation and Coding Scheme** in the OFDM System and the research publication includes:

1. Blind synchronization scheme using the conjugate characters of the OFDM BPSK-modulated symbol, *Digital Signal Processing*, Vol.21, p. 710-717, 2011 [SCI][EI]
2. A modified genetic algorithm PTS technique with error correction for PAPR reduction in OFDM systems, *Proceedings of 2010 International Symposium on Information Theory and Its Applications*, p. 1050-1053, 2010 [EI]
3. PAPR Reduction in the OFDM Systems with Signal Space Expansion Scheme, *Proceeding of International Conference on Wireless Networks 2010*, Vol. 1, pp. 588-592, 2010 [EI]
4. Performance Evaluation of ICI Self-Cancellation Scheme with Phase-Rotated Data Allocation in OFDM Systems. *International Journal of Advanced Information Technologies*, Vol. 4, No. 2, P. 152-P. 159, 2010
5. Coding Schemes Applied to Peak-to-Average Power Ratio (PAPR) Reduction in OFDM Systems,” *Proceedings of IEEE IWCMC 2008*, pp. 807 – 812, 2008 [EI]
6. Performance Evaluation for a LDPC Code-aided Turbo Equalizer, *International Journal of Advanced Information Technologies*, Vol. 2, No 2, pp. 63-72, Dec. 2008
7. 低密度同位元檢查碼輔助等化器之研究,”2008 資訊科技國際研討會論文集, 2008
8. Performance evaluation of a new BPSK-OFDM timing. *Personal Wireless Communications*, pp. 1323-1331, 2007 [SCI]
9. The PAPR reduction in OFDM system with the help of signal mapping scheme, *International Journal of Applied Science and Engineering (IJASE)*, Vol. 5, no. 1, pp. 75-80, 2007
10. Symbol synchronization at the BPSK-OFDM receiver, *Proceedings of IEEE Mobile WiMax Symposium 2007*, pp. 12-16, 2007 [EI]
11. A New ICI-Self-Cancellation Scheme in OFDM Systems,” *Proceedings of NST 2007*, pp. 447-451, 2007
12. Non-data-aided synchronization algorithm using the conjugate characters in the OFDM systems, *Proceedings of Workshop on Consumer Electronics and Signal Processing (WCESP)*, pp. 374-378, 2007