

# TECHNOLOGY LEARNING CENTER

*..Finishing School for Engineer's*

## B.TECH MATLAB COMMUNICATION SYSTEMS PROJECTS

### 2013

- 1 Complex-weighted OFDM Transmission with LowPAPR
- 2 PAR-Aware Large-Scale Multi-User MIMO-OFDM Downlink
- 3 Diversity of MMSE Receivers in MIMO Multiple Access Channels
- 4 Performance Analysis of Alamouti Transmit Diversity with A Sub-Optimum Joint Transmit-Receive Antenna Selection Scheme
- 5 Compare the performance analysis for fft based mimoofdm With dwt based mimo-ofdm

### 2012

- 1 Cooperative Diversity for Free Space Optical Communication: Transceiver Design & Performance Analysis
- 2 Improved SNR Evolution for OFDM-IDMA Systems
- 3 Performance Analysis of Energy-Efficient Power Allocation for MIMO-MRC Systems
- 4 Peak Minimization for Reference-Based Ultra-Wideband (UWB) Radio
- 5 Adaptive bit interleaved coded modulation based on expurgated bound for mobile radio OFDM systems aided by fading prediction
- 6 SINR bounce for broadcast channels with zero forcing beamforming and limited feedback
- 7 Adaptive overlap and ADD technique in MB OFDM based UWB receiver design



[info@tlcindia.org](mailto:info@tlcindia.org)



+91-9581100283/284

[www.tlcindia.org](http://www.tlcindia.org)

# TECHNOLOGY LEARNING CENTER

*..Finishing School for Engineer's*

## 2011

- 1 Multi Objective Optimization for Pre-DFT Combining in coded SIMO –OFDM Systems
- 2 An Improved Preamble Based SNR Estimation Algorithm for OFDM System
- 3 Analysis of BER Performance in Presence of Nonlinear Distortion Due to PD – HPA in Downlink DS – CDMA Signals
- 4 Implementation of WIMAX IEEE802.16d baseband transceiver based wavelet ofdm on multi core software designed radio platform
- 5 Oversampling to reduce the effect of timing jitter on high speed ofdm system
- 6 New companding transform for PAPR reduction in OFDM systems

## 2010

- 1 On high rate full diversity 282 space time codes with low complexity optimum detection
- 2 A closed form blind CFO estimator based on frequency analysis for ofdm system
- 3 Preamble Based SNR Estimation Algorithm in frequency selective channels for OFDM System
- 4 Efficient detection ordering scheme for MIMO transmission using power control
- 5 A medium access control scheme for TDD CDMA cellular networks with TWO HOP relay architecture

