



BLIND LAYERED SPACE-TIME EQUALIZATION FOR MIMO OFDM SYSTEMS (WedAmOR2)

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* Abstract :

This paper proposes a novel blind receiver for multiple-input multiple-output (MIMO) orthogonal frequency division multiplexing (OFDM) systems, where blind source separation (BSS) and V-BLAST are combined to perform layered space-time equalization without training sequences. It is shown that the proposed system significantly improves the performance compared to using BSS only and can approach the performance with perfect channel state information (CSI).