NPTEL Video Course - Electronics and Communication Engineering - NOC:Principles of Modern CDMA-MIMO-OFDM Wire

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Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - BER of CDMA Systems
Lecture 31 - Analysis of Multi-user CDMA
Lecture 32 - Multipath Diversity in CDMA Systems
Lecture 33 - Near-Far Problem in CDMA
Lecture 34 - Multiple Input Multiple Output (MIMO) Systems
Lecture 35 - Examples of MIMO Systems
Lecture 36 - MIMO Receivers
Lecture 37 - BER Performance of ZF Receiver
Lecture 38 - Transmit Beamforming in MISO Systems
Lecture 39 - Alamouti Code and Space-Time Block Codes
Lecture 40 - BER of Alamouti Coded System
Lecture 41 - Singular Value Decomposition (SVD)
Lecture 42 - SVD in MIMO
Lecture 43 - Capacity of MIMO Wireless Systems
Lecture 44 - SVD based MIMO Transmission
Lecture 45 - Orthogonal Frequency Division Multiplexing (OFDM)
Lecture 46 - Transmission in Multicarrier Systems
Lecture 47 - FFT/IFFT Processing in OFDM
Lecture 48 - Cyclic Prefix in OFDM Systems
Lecture 49 - Schematic Represntation of OFDM Transmitter and Receiver
Lecture 50 - BER Performance of OFDM Systems