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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	WCDMA Enhanced Technologies -- Physical Channel and Spreading Code Assignment -- Physical Channel -- Spreading Code Assignment -- Transport Channel Multiplexing -- Explanation of Data Format for Layer 1 -- Transport Channel -- Multiplexing and Rate Matching -- Asynchronous Cell Sites and Synchronization -- Synchronization in UTRAN -- Cell Search -- Random Access -- SIR Measurement-Based Fast TPC -- Diversity -- Coherent RAKE Combining (RAKE Time Diversity) -- Site Diversity (Soft/Softer Handover) -- Transmit Diversity -- WCDMA Capacity Enhanced Technologies -- Coherent Adaptive Antenna Array Diversity Receiver/Adaptive Antenna Array Transmit Diversity -- Experiments -- Downlink Performance Enhancements in CDMA Cellular Systems -- Evaluation of WCDMA Downlinks -- Assumptions in System Evaluation -- Downlink Capacities of WCDMA -- Impact of SHO Window Threshold on Downlink Capacity -- Optimum Orthogonal Code Allocation in CDMA Downlinks -- Site Selection Diversity TPC -- Detailed Operation -- Simulation Conditions for Evaluation of Performance -- Codeword Set -- Performance --

Performance in Combination with Transmission Diversities -- Summary and Subjects for Future Study -- GSM/EDGE Radio Access Network: Evolution of GSM/EDGE Toward 3G Mobile Services -- 3G Mobile Services -- Architecture -- BSS External Interfaces -- Modes of Operation -- Protocol Architectures -- Radio Interface Protocols -- RRC Protocol -- PDCP -- RLC -- MAC -- GERAN Physical Layer -- Services -- From GSM/EDGE to GERAN -- Physical Resource.

Sommario/riassunto

A compilation of the cutting edge work of leading researchers and engineers from major telecommunications firms worldwide, this timely volume describes various technical regimes for implementing third generation wireless mobile communications systems, and covers the latest enhanced techniques.
