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Sommario/riassunto

MIMO-OFDM is a key technology for next-generation cellular communications (3GPP-LTE, Mobile WiMAX, IMT-Advanced) as well as wireless LAN (IEEE 802.11a, IEEE 802.11n), wireless PAN (MB-OFDM), and broadcasting (DAB, DVB, DMB). In MIMO-OFDM Wireless Communications with MATLABª, the authors provide a comprehensive introduction to the theory and practice of wireless channel modeling, OFDM, and MIMO, using MATLABª programs to simulate the various techniques on MIMO-OFDM systems.. One of the only books in the area dedicated to explaining simulation aspects. Covers implementation to help cement the key concepts. Uses materials that have been classroom-tested in numerous universities. Provides the analytic solutions and practical examples with downloadable MATLABª codes. Simulation examples based on actual industry and research projects. Presentation slides with key equations and figures for instructor useMIMO-OFDM Wireless Communications with MATLABª is a key text for graduate students in wireless communications. Professionals and technicians in wireless communication fields, graduate students in signal processing, as well as senior undergraduates majoring in wireless communications will find this book a practical introduction to the MIMO-OFDM techniques.Instructor materials and MATLABª code examples available for download at www.wiley.com/go/chomimo.