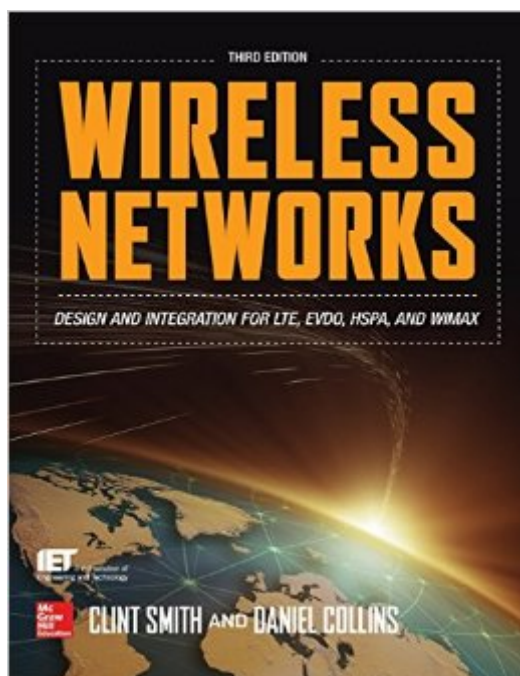


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# Wireless Networks



## Synopsis

Design Next-Generation Wireless Networks Using the Latest Technologies Fully updated throughout to address current and emerging technologies, standards, and protocols, *Wireless Networks, Third Edition*, explains wireless system design, high-speed voice and data transmission, internetworking protocols, and 4G convergence. New chapters cover LTE, WiMAX, WiFi, and backhaul. You'll learn how to successfully integrate LTE, WiMAX, UMTS, HSPA, CDMA2000/EVDO, and TD-SCDMA into existing cellular/PCS networks. Configure, manage, and optimize high-performance wireless networks with help from this thoroughly revised, practical guide. Comprehensive coverage includes: Overview of 3G wireless systems UMTS (WCDMA) and HSPA CDMA2000 and EVDO TD-SCDMA and TD-CDMA LTE WiMAX VoIP WiFi Broadband system RF design considerations Network design considerations Backhaul Antenna system selection, including MIMO System design for UMTS, CDMA2000 with EVDO, TD-SCDMA, TD-CDMA, LTE, and WiMAX Communication sites including in-building and colocation guidelines 5G and beyond

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