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	Nota di contenuto	Part I: Technologies --1. Design of baseband processors for WiMAX systems / Anders Nilsson and Dake Liu --2. Fractal-based methodologies for WiMAX antennas synthesis / Renzo Azaro, Edoardo Zeni, Massimo Donelli, and Andrea Massa -- 3. Space-time coding and application in WiMAX / Naofal Al-Dhahir, Robert Calderbank, Jimmy Chui, Sushanta Das, and Suhas Diggavi -- 4. Exploiting diversity in MIMO-OFDM systems for broadband wireless communications / Weifeng Su, Zoltan Safar, and K. J. Ray Liu -- Part II: Performance analysis -- 5. Performance analysis of IEEE 802.16 fixed broadband wireless access systems / R. Jayaparvathy and McNeil Ivan -- 6. System performance analysis for the mesh mode of IEEE 802.16 / Min Cao and Qian Zhang -- 7. Performance analysis and simulation results under mobile environments / Pankaj Das and Mishal Algharabally -- Part III: QoS -- 8. IEEE 802.16 Multiple access control: resources allocation for reservation-based traffic / Ahmed Doha and Hossam Hassanein -- 9. Scheduling algorithms for OFDMA-based WiMAX systems with QoS constraints / Raj Iyengar, Koushik Kar, Biplab Sikdar and Xiang Luo -- 10. Resource allocation and admission control using fuzzy logic for OFDMA-based IEEE 802.16 broadband wireless networks / Dusit Niyato

and Ekram Hossain.