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Nota di contenuto	-- PREFACE xv -- CHAPTER 1 OVERVIEW OF MULTI-TIER CELLULAR WIRELESS NETWORKS 1 -- CHAPTER 2 RESOURCE ALLOCATION APPROACHES IN MULTI-TIER NETWORKS 31 -- CHAPTER 3 RESOURCE ALLOCATION IN OFDMA-BASED MULTI-TIER CELLULAR NETWORKS 51 -- CHAPTER 4 RESOURCE ALLOCATION FOR CLUSTERED SMALL CELLS IN TWO-TIER OFDMA NETWORKS 84 -- CHAPTER 5 RESOURCE ALLOCATION IN TWO-TIER NETWORKS USING FRACTIONAL FREQUENCY REUSE 102 -- CHAPTER 6 CALL ADMISSION CONTROL IN FRACTIONAL FREQUENCY REUSE-BASED TWO-TIER NETWORKS 123 -- CHAPTER 7 GAME THEORETIC APPROACHES FOR RESOURCE MANAGEMENT IN MULTI-TIER NETWORKS 155 -- CHAPTER 8 RESOURCE ALLOCATION IN CDMA-BASED MULTI-TIER HETNETS 206 -- CHAPTER 9 SELF-ORGANIZING SMALL CELL NETWORKS 250 -- CHAPTER 10 RESOURCE

Sommario/riassunto

"Providing an extensive overview of the radio resource management problem in femtocell networks, this invaluable book considers both code division multiple access femtocells and orthogonal frequency-division multiple access femtocells. In addition to incorporating current research on this topic, the book also covers technical challenges in femtocell deployment, provides readers with a variety of approaches to resource allocation and a comparison of their effectiveness, explains how to model various networks using Stochastic geometry and shot noise theory, and much more"--

"Provides MATLAB codes for simulations of resource management schemes and basics of wireless channel modelling"--

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