

1. Record Nr.	UNINA9910139011803321
Autore	Hossain Ekram <1971->
Titolo	Radio resource management in multi-tier cellular wireless networks // Ekram Hossain, University of Manitoba, Canada, Long Bao Le, INRS-EMT, Quebec, Canada, Dusit Niyato, Nanyang Technological University, Singapore
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2014] [Piscataway, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-118-74977-4 1-118-74982-0 1-118-74946-4
Edizione	[1st edition.]
Descrizione fisica	1 online resource (347 p.)
Collana	Adaptive and cognitive dynamic systems: signal processing, learning, communications and control
Classificazione	TEC041000
Altri autori (Persone)	NiyatoDusit LeBao Long <1976->
Disciplina	621.3845/6
Soggetti	Wireless communication systems Femtocells Radio resource management (Wireless communications)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
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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