Record Nr. UNINA9911018837403321 Autore Zhang Jie <1967-> **Titolo** Femtocells: technologies and deployment / / Jie Zhang, Guillaume de la Roche Chichester, West Susssex, U.K.; Hoboken, NJ,: Wiley, 2009 Pubbl/distr/stampa **ISBN** 9786612354885 9781119965657 1119965659 9781282354883 1282354884 9780470686812 0470686812 9780470686805 0470686804 Descrizione fisica 1 online resource (329 p.) Altri autori (Persone) De la RocheGuillaume Disciplina 621.382 621.382/1 621.3821 Soggetti Femtocells Wireless LANs - Equipment and supplies Cell phone systems - Equipment and supplies Radio relay systems Telephone repeaters Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto FEMTOCELLS; Contents; About the Authors; Preface; Acknowledgements; Acronyms; 1 Introduction; 2 Indoor Coverage Techniques: 3 Access Network Architecture: 4 Air-Interface Technologies; 5 System-Level Simulation for Femtocell Scenarios; 6 Interference in the Presence of Femtocells; 7 Mobility Management; 8 Self-Organization; 9 Further Femtocell Issues; Index

This book provides an in-depth guide to femtocell technologies. In this

Sommario/riassunto

book, the authors provide a comprehensive and organized explanation of the femtocell concepts, architecture, air interface technologies, and challenging issues arising from the deployment of femtocells, such as interference, mobility management and self-organization. The book details a system level simulation based methodology addressing the key concerns of femtocell deployment such as interference between femto and macrocells, and the performance of both femto and macrocell layers. In addition, key research to