

1. Record Nr.	UNINA9910139608203321
Titolo	Mobile and wireless communications for IMT-advanced and beyond / / editors, Afif Osseiran, Jose F. Monserrat, Werner Mohr
Pubbl/distr/stampa	Chichester, West Sussex, U.K. : , : Wiley, , 2011 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2011]
ISBN	1-119-97643-X 1-283-24042-4 9786613240422 1-119-97642-1
Edizione	[1st edition]
Descrizione fisica	1 online resource (326 p.)
Altri autori (Persone)	OsseiranAfif MonserratJose F MohrWerner <1955->
Disciplina	621.382
Soggetti	Wireless communication systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
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### Sommario/riassunto

A timely addition to the understanding of IMT-Advanced, this book places particular emphasis on the new areas which IMT-Advanced technologies rely on compared with their predecessors. These latest areas include Radio Resource Management, Carrier Aggregation, improved MIMO support and Relaying. Each technique is thoroughly described and illustrated before being surveyed in context of the LTE-Advanced standards. The book also presents state-of-the-art information on the different aspects of the work of standardization bodies (such as 3GPP and IEEE), making global links between them. . Explores the latest research innovations to assess the future of the LTE standard. Covers the latest research techniques for beyond IMT-Advanced such as Coordinated multi-point systems (CoMP), Network Coding, Device-to-Device and Spectrum Sharing. Contains key information for researchers from academia and industry, engineers, regulators and decision makers working on LTE-Advanced and beyond.