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Record Nr. UNINA9910821005703321 LTE for UMTS: evolution to LTE-Advanced // edited by Harri Holma, **Titolo** Antti Toskala Pubbl/distr/stampa Chichester, West Sussex, : John Wiley & Sons, c2011 **ISBN** 1-283-40544-X 9786613405449 1-119-99295-8 1-119-99294-X Edizione [2nd ed.] 1 online resource (577 p.) Descrizione fisica HolmaHarri <1970-> Altri autori (Persone) ToskalaAntti Disciplina 621.3845/6 Soggetti Global system for mobile communications Long-Term Evolution (Telecommunications) Mobile communication systems - Standards Universal Mobile Telecommunications System Wireless communication systems - Standards 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. Nota di contenuto LTE for UMTS Evolution to LTE-Advanced Second Edition; Contents; Preface; Acknowledgements; List of Abbreviations; 1 Introduction; 1.1 Mobile Voice Subscriber Growth; 1.2 Mobile Data Usage Growth; 1.3 Evolution of Wireline Technologies; 1.4 Motivation and Targets for LTE; 1.5 Overview of LTE; 1.6 3GPP Family of Technologies; 1.7 Wireless Spectrum: 1.8 New Spectrum Identified by WRC-07: 1.9 LTE-Advanced: 2 LTE Standardization; 2.1 Introduction; 2.2 Overview of 3GPP Releases and Process; 2.3 LTE Targets; 2.4 LTE Standardization Phases; 2.5 **Evolution Beyond Release 8** 2.6 LTE-Advanced for IMT-Advanced2.7 LTE Specifications and 3GPP Structure; References; 3 System Architecture Based on 3GPP SAE; 3.1 System Architecture Evolution in 3GPP; 3.2 Basic System Architecture

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Sommario/riassunto

Written by experts actively involved in the 3GPP standards and product development, LTE for UMTS, Second Edition gives a complete and upto-date overview of Long Term Evolution (LTE) in a systematic and clear manner. Building upon on the success of the first edition, LTE for UMTS, Second Edition has been revised to now contain improved coverage of the Release 8 LTE details, including field performance results, transport network, self optimized networks and also covering the enhancements done in 3GPP Release 9. This new edition also provides an outlook to Release 10, including the