DESCRIPTION

From the editors of the highly successful *WCDMA for UMTS*, this new book gives a complete and up-to-date overview of Long Term Evolution (LTE) in a systematic and clear manner. It starts with an in-depth explanation of the background and standardization process before moving on to examine the system architecture evolution (SAE). The basics of air interface modulation choices are introduced and key subjects such as 3GPP LTE physical layer and protocol solutions are described. Mobility aspects and radio resource management together with radio and end-to-end performance are assessed. The voice solution and voice capacity in LTE are also illustrated. Finally, the main differences between LTE TDD and FDD modes are examined and HSPA evolution in 3GPP Releases 7 and 8 is described.

*LTE for UMTS* is one of the first books to provide a comprehensive guide to the standards and technologies of LTE. Key features of the book include:

- Covers all the key aspects of LTE in a systematic manner
- Presents full description of 3GPP Release 8 LTE
- Examines the expected performance of LTE

Written by experts actively involved in the 3GPP standards and product development.
Harri Holma and Antti Toskala are both with Nokia Siemens Networks (NSN) in Finland working on the cutting edge technologies for mobile communications today. They are involved with 3GPP Standardisation, ensuring they are in key positions to write such a timely publication.

For additional product details, please visit https://www.wiley.com/en-us