



Essentials of LTE and LTE-A (The Cambridge Wireless Essentials Series)

By Amitabha Ghosh, Rapeepat Ratasuk

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- First book of its kind describing technologies and system performance of LTE-A
- Covers the evolution of digital wireless technology, basics of LTE and LTE-A, design of downlink and uplink channels, multi-antenna techniques and heterogeneous networks
- Analyzes performance benefits over competing technologies, including WiMAX and 802.16m
- Reflects the latest LTE Release-10 standards
- Includes numerous examples, including extensive system and link results
- Unique approach is accessible to technical and non-technical readers alike

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- Sales Rank: #1046897 in Books
- Published on: 2011-09-26
- Original language: English
- Number of items: 1
- Dimensions: 8.98" h x .63" w x 5.98" l, 1.15 pounds
- Binding: Hardcover
- 264 pages



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Editorial Review

About the Author

Amitava Ghosh is a Fellow of the Technical Staff at Motorola, Inc., where he works in the area of current and future air-interface technologies for 802.16m, 3GPP LTE, LTE-Advanced, and other broadband technologies. Since joining Motorola, he has worked on eight different wireless technologies and is currently leading Motorola's efforts in defining 3GPP LTE and LTE-Advanced physical layer standards from the concept phase to the adopted baseline.

Rapeepat Ratasuk is currently a Distinguished Member of the Technical Staff at Motorola, Inc. He has extensive experience in 3G/4G cellular system design and analysis (specifically LTE, HSPA, WiMAX, 1xEV-DV, and W-CDMA technologies), including algorithm development, performance analysis and validation, physical layer modelling and simulations.

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