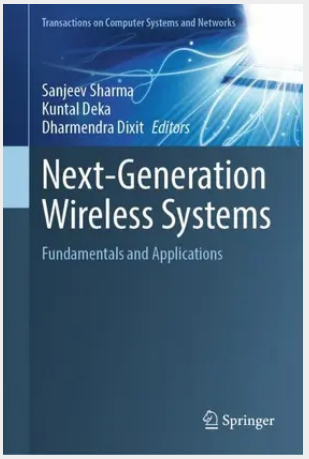
Sharma / Deka / Dixit

Next-Generation Wireless Systems

Fundamentals and Applications



The book examines various performance analysis metrics related to next-generation wireless communication technologies and their potential use cases. It presents the material in straightforward language to facilitate easy comprehension and ensure that readers gain a deep understanding of the topics covered. Additionally, the book delves into the role of deep learning and machine learning in designing smart wireless systems. A wide array of subjects is explored, including technical advancements, potential applications, and practical use cases. The book highlights the possible impact of these technologies on various industries, such as healthcare, transportation, and education, and discusses real-world scenarios and case studies to provide practical insights into their implementation. With a future-oriented perspective, the book considers the potential of emerging wireless communication technologies, including 6G, and their anticipated influence on society and the economy. It offers readers an outlook on the latest developments and trends in wireless communication technologies, helping them stay ahead of the curve and prepare for what lies ahead. This volume serves as a valuable resource for researchers, engineers, students, and professionals in the field of wireless communication, as well as policymakers and regulators interested in the advancement of wireless technologies.

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192,59 €
179,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789819631841
Medium: Buch
ISBN: 978-981-963184-1
Verlag: Springer
Erscheinungstermin: 11.06.2025
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2025
Serie: Transactions on Computer Systems and Networks
Produktform: Gebunden
Gewicht: 936 g
Seiten: 480
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)