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Titolo	Next-generation wireless technologies : 4G and beyond // [edited by] Naveen Chilamkurti, Sherali Zeadally, Hakima Chaouchi
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Descrizione fisica	1 online resource (x, 285 pages) : illustrations (some color)
Collana	Computer communications and networks
Altri autori (Persone)	ChilamkurtiNaveen <1974-> ZeadallySherali ChaouchiHakima
Disciplina	004.6
Soggetti	Wireless communication systems Wireless internet
Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I: Trends and Challenges of Emerging Wireless Networks -- Trends and Challenges of Emerging Wireless Networks -- Cooperative Mesh Networks -- Cooperation in Delay Tolerant Networks -- Wireless Multimedia -- Part II: Wireless Communications and Applications -- Vehicular Ad-Hoc Networks -- Broadband Wireless Technologies -- RFID -- Energy-Efficient Routing in Wireless Sensor Networks -- Part III: Future Internet Systems -- Internet of Things -- Communication Issues in the Internet of Things -- Machine to Machine Communications -- Security in Emerging 4G Networks -- Electronic Health Records.
Sommario/riassunto	Fourth-generation (4G) or long-term evolution (LTE) technology offers the promise of even smarter computing and multimedia applications which will be available anywhere, at any time. This comprehensive text/reference presents a detailed review of the pioneering research underpinning this emerging technological revolution. The book also examines the various challenges to secure, efficient and cost-effective next-generation wireless networking. Opening with a selection of chapters devoted to the exciting trends in wireless network technology, followed by a section focusing on advanced applications, the text then concludes with an investigation into the future internet systems that will pave the way towards true ubiquitous computing. Topics and

features: Presents the latest advances, standards and technical challenges in a broad range of emerging wireless technologies  
Discusses cooperative and mesh networks, delay tolerant networks, and other next-generation networks such as LTE Examines real-world applications of vehicular communications, broadband wireless technologies, RFID technology, and energy-efficient wireless communications Introduces developments towards the 'Internet of Things' from both a communications and a service perspective  
Discusses the machine-to-machine communication model, important applications of wireless technologies in healthcare, and security issues in state-of-the-art networks This wide-ranging, cutting-edge volume is a 'must-read' for all researchers and practitioners involved in wireless communications. Dr. Naveen Chilamkurti is a Senior Lecturer in the Department of Computer Science and Engineering at La Trobe University, Melbourne, Australia. Dr. Sherali Zeadally is an Associate Professor in the Department of Computer Science and Information Technology at the University of the District of Columbia, USA. Dr. Hakima Chaouchi is an Associate Professor at Telecom SudParis, France.

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