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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Matter Basic Network Security Concepts Mathematical Background Cryptographic Systems. Cryptographic Techniques More on Cryptographic Techniques Message Authentication, Digital Signature, and Key Management Security for Wireless Local Area Networks. WLAN Security Bluetooth Security Zigbee Security RFID Security Security for Wireless Wide Area Networks. GSM Security UMTS Security LTE Security Security for Next Generation Wireless Networks. Security in 5G Wireless Networks Security in V2X Communications
Sommario/riassunto	Receive comprehensive instruction on the fundamentals of wireless security from three leading international voices in the field Security in Wireless Communication Networks delivers a thorough grounding in wireless communication security. The distinguished authors pay particular attention to wireless specific issues, like authentication protocols for various wireless communication networks, encryption algorithms and integrity schemes on radio channels, lessons learned from designing secure wireless systems and standardization for security in wireless systems. The book addresses how engineers, administrators, and others involved in the design and maintenance of wireless networks can achieve security while retaining the broadcast nature of the system, with all of its inherent harshness and

interference. Readers will learn: A comprehensive introduction to the background of wireless communication network security, including a broad overview of wireless communication networks, security services, the mathematics crucial to the subject, and cryptographic techniques An exploration of wireless local area network security, including Bluetooth security, Wi-Fi security, and body area network security An examination of wide area wireless network security, including treatments of 2G, 3G, and 4G Discussions of future development in wireless security, including 5G, and vehicular ad-hoc network security Perfect for undergraduate and graduate students in programs related to wireless communication, Security in Wireless Communication Networks will also earn a place in the libraries of professors, researchers, scientists, engineers, industry managers, consultants, and members of government security agencies who seek to improve their understanding of wireless security protocols and practices.