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	Titolo	Emerging Wireless Communication and Network Technologies [[electronic resource]] : Principle, Paradigm and Performance / / edited by Karm Veer Arya, Robin Singh Bhadoria, Narendra S. Chaudhari
	Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
	ISBN	978-981-13-0396-8
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	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (IX, 360 p. 124 illus., 79 illus. in color.)
	Disciplina	004.6
	Soggetti	Computer communication systems
		Electrical engineering
		Mobile computing
		Signal processing
		Image processing
		Speech processing systems
		Computer Communication Networks
		Communications Engineering, Networks
		Mobile Computing
		Signal, Image and Speech Processing
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Nota di contenuto	Introduction to Emergence for Wireless Technology and Communications -- Explorations and Trends -- Advancement in Wireless Technologies and Networks -- Cognitive Radio Networks (CRN) Technologies and Applications -- 5G Mobile Communication Systems -- Design and Application for Reliable Cooperative Networks -- Advancement and Future Scope -- Infrastructure in Mobile Opportunistic Networks -- Generic Design and Advances in Wearable Sensor Technology -- Realizing the Wireless Technology in Internet of Things (IoT).
	Sommario/riassunto	The book covers a wide range of wireless communication and network technologies, and will help readers understand the role of wireless

technologies in applications touching on various spheres of human life, e.g. healthcare, agriculture, building smart cities, forecasting and the manufacturing industry. The book begins by discussing advances in wireless communication, including emerging trends and research directions for network technologies. It also highlights the importance of and need to actively develop these technologies. In turn, the book addresses different algorithms and methodologies which could be beneficial in implementing 5G Mobile Communication, Vehicular Ad-hoc Networks (VANET), Reliable Cooperative Networks, Delay Tolerant Networks (DTN) and many more contexts related to advanced communications. It then addresses the prominence of wireless communication in connection with the Internet of Things (IoT), Mobile Opportunistic Networks and Cognitive Radio Networks (CRN). Lastly, it presents the new horizons in architecture and building protocols for Li-Fi (Light-Fidelity) and Wearable Sensor Technology.