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Altri autori (Persone)	SinghGhanshyam
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Soggetti	Internet of things Wireless communication systems Mobile communication systems Electric power distribution Internet of Things Wireless and Mobile Communication Energy Grids and Networks
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Nota di contenuto	Introduction: Sustainable Advances in Urban Environment -- Smart Cities and Sustainable Development Goals -- Innovative Solutions for Smart Cities with Internet of Things -- Advanced Artificial Intelligence for Sustainable Smart Cities -- Blockchain Technology in Sustainable Smart Cities -- Smart Cities with 6G-Internet of Things -- Healthcare 5.0: Smart and Connected Healthcare Systems for Sustainable Smart Cities -- Smart Mobility Systems in Sustainable Smart Cities -- Smart Education with Immersive Technology -- Advanced Smart Energy Systems -- Smart Governance in Sustainable Smart Cities.
Sommario/riassunto	Sustainable Smart Cities 2.0 pushes a 'people first' agenda, emphasizing the idea of emerging technologies as a tool to use for efficient management of natural and manmade resources. From smart grids to intelligent traffic management systems, this book explores the impact of Internet of Things solutions on urban sustainability. Several applications of artificial intelligence and machine learning in urban settings, including the use of predictive infrastructure maintenance and the provision of personalized public services, are discussed in detail.

The potential of blockchain technology to improve urban management efficiency and trust is highlighted. The revolutionary potential of 6G-IoT for urban environments is also covered in detail. Telemedicine, health monitoring, and data-driven healthcare solutions are discussed for city residents. The authors also explore a wide range of intelligent transport system (ITS) revolutions, including autonomous vehicles, traffic management systems, and Mobility as a Service. They also discuss how digital learning environments can promote lifelong learning and skill development in smart cities, as well as the future of energy in smart cities, highlighting modernizations that will drive the energy revolution. Offers a vision of advanced sustainable smart cities, characteristics, requirements, and distinct architectural design; Provides an extensive overview of leading-edge technological integration, using AI, IoT, blockchain, and 6G-IoT; Explores urban challenges such as renewable energy integration, smart transportation and smart healthcare.
