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Descrizione fisica	1 online resource (X, 206 p. 80 illus., 64 illus. in color.)
Collana	Green Energy and Technology, , 1865-3537
Disciplina	004.0286
Soggetti	Sustainable architecture Computer networks Transportation engineering Traffic engineering Renewable energy sources Industrial engineering Production engineering Sociology, Urban Sustainable Architecture/Green Buildings Computer Communication Networks Transportation Technology and Traffic Engineering Renewable Energy Industrial and Production Engineering Urban Sociology
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Nota di contenuto	Smart cities: redefining urban energy -- From smart energy to smart cities -- Energy management and planning in smart cities -- Energy technologies: Recommendations for future smart cities -- Green Technology for Smart Cities -- Optimal Renewable Energy Systems for Smart Cities -- Smart Parking: Green IoT for Smart City -- Green Internet of Things for Smart Cities -- Design of Cloud-Based Green IoT Architecture for Smart Cities -- Green-energy, water-autonomous greenhouse system -- Energy-Efficient Device-to-Device

	Communications for Green Smart Cities -- Greening the Smart Cities: Energy-Efficient Massive Content Delivery via D2D Communications -- Green Communications in Smart City -- Smart City Community Green Computing with Cyber Security -- Smart Cities: Environmental Challenges and Green Computing -- Ubiquitous Green Computing Techniques for High Demand Applications in Smart Environments -- Green Computing and Communications -- Toward Big Data in Green City -- How Green Building In Smart Cities Attaining Energy Efficiency?
Sommario/riassunto	The book collects the latest research and thinking from international experts on green computing and the smart city. The financial and environmental costs of energy are a concern in smart cities due to the high usage of computing, technology, security, IoT, communications, traffic, and other technologies. This book tackles this problem with a focus on computing, reporting on various approaches being taken worldwide, illustrated by several international case studies demonstrating these approaches. Researchers use this book as an up-to-date reference and engineers use it as a guide for the design and implementation of real solutions.