

1. Record Nr.	UNINA9910462943003321
Titolo	Green communications and networking // edited by F. Richard Yu, Xi Zhang, Victor C.M. Leung
Pubbl/distr/stampa	Boca Raton, Fla : , : CRC Press, , 2013
ISBN	0-429-18427-1 1-4665-8919-1 1-4398-9914-2
Edizione	[1st edition]
Descrizione fisica	1 online resource (382 p.)
Altri autori (Persone)	YuF. Richard ZhangXi LeungVictor Chung Ming <1955->
Disciplina	621.382028/6
Soggetti	Telecommunication - Energy conservation Computer networks - Energy conservation Telecommunication - Environmental aspects Greenhouse gas mitigation Sustainable engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Green Wireless Communications and Networking -- Power-Efficient Last Mile Access Using Fiber-Connected Massively Distributed Antenna (BWA-FMDA) System -- Wireless Networks Resources Trading for QoS Performance Guaranteed Green Communications -- Green Relay Techniques in Cellular Systems -- Cross-Layer Design and Optimization for Green Wireless Communications and Networking -- Energy-Efficient Rate Adaptation in Long-Distance Wireless Mesh Networks -- Green Wireline Communications and Networking -- Graph-Theoretic Algorithms for Energy Saving in IP Networks -- Architectural Design of an Energy-Efficient Router -- The Impact of Renewable Energy Sources in the CO2 Emissions of Converged Optical Network and Cloud Infrastructures -- Low Power Dynamic Scheduling for Computing Systems -- Smart Grid Communications and Networking

-- Smart Grid Communication Network and Its Applications -- Demand and Response in Smart Grid -- Green Wireless Cellular Networks in the Smart Grid Environment.

Sommario/riassunto

Green Communications and Networking introduces novel solutions that can bring about significant reductions in energy consumption in the information and communication technology (ICT) industry-as well as other industries, including electric power. Containing the contributions of leading experts in the field, it examines the latest research advances in green communications and networking for next-generation wired, wireless, and smart-grid networks. The book presents cutting-edge algorithms, protocols, and network architectures to improve energy efficiency in communicati
