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	Descrizione fisica	1 online resource (366 pages)
	Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1099
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	Soggetti	Electric power production
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		Electrical Power Engineering
		Energy Grids and Networks
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	Nota di contenuto	Optimal Energy Scheduling And Feasibility Analysis In Microgrid Considering The Hospital Load Model With Isolated Grid -- Optimal Allocation And Sizing Of Distributed Generation In IEEE-85 Bus System Considering Various Load Models Using Multi-Objective Metaheuristic Algorithms -- A Sustainable Privacy-Preserving Aggregation Authentication Protocol For Smart Grid -- A Low-Cost WECS For Remote Area Electrification. Optimal Sizing Of Grid-Connected Hybrid Renewable Energy System Using The GWO Algorithm And Adapting The Time Of Use Tariff Rates -- Comparative Analysis Of Load Forecasting By Using Ann, Fuzzy Logic And ANFIS -- A Practical Approach To Volt Var Optimization In An Unbalanced Radial Distribution System -- A Construction Of Secure And Efficient Lightweight Authenticated Key Agreement Based On Elliptic Curve Cryptography For Smart Grid -- A Case Study With Analysis For Photovoltaic Array Under Shaded Conditions -- Multi Objective Hybrid Optimal Algorithm For Distribution System Feeder Reconfiguration -- Forecasting Of Daily

Average Power Demand For The Chhattisgarh State Of India -- Optimal Placement And Sizing Of Active Power Filters In RDS Using TLBO For Harmonic Distortion Reduction -- Small-Signal Stability Analysis Of Synchronverter Based Ac Microgrid In Islanded Mode -- Feasibility Study Of PV/Wind Hybrid System With Recycled Retired Electric Vehicle Batteries -- A Crest Factor Based Voltage Sag Quantification Method.

Sommario/riassunto	The book contains select proceedings of the International Conference on Smart Grid Energy Systems and Control (SGESC 2023). The proceedings are divided into 02 volumes, and this volume focuses on the Decarbonisation and Digitization of the Energy System. The book covers the important topics on the smart grid/microgrids and control aspects, optimal energy scheduling, distributed generation, wind energy for remote electrification, forecasting of loads and daily energy demand, reactive power management, Volt-Var control, reactive power procurement, and ancillary services, the role of FACTS devices for reactive power management and control, feasibility study of PV/Wind hybrid systems, electricity markets, stability of the power system network, energy storage systems and electrical vehicles. This book is a unique collection of 27 chapters from different areas with a common theme and will be immensely useful to academic researchers and practitioners in the industry.