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Soggetti	Electric power production Renewable energy sources Electronic circuits Energy storage Electrical Power Engineering Renewable Energy Electronic Circuits and Systems Mechanical and Thermal Energy Storage
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A New Objective Function for Optimal Coordination of Directional over Current Relays -- Symmetrical Fault - Swing Discrimination Using RMS Index Based Superimposed Current Signals -- Realization of Solid-State DC Circuit Breaker for HVDC System -- A Review on Approaches Employed for Solving Direc-tional over Current Relays Coordination Problems -- Reduction of Short Circuit Level of EHV Substation -- Recourse-based Stochastic Market Clearing Algorithm -- Generator Ranking Based on Singular Value Decomposition for Voltage Stability Assessment -- Optimal Power Flow in Power Networks with Tcsc Using Particle Swarm Optimization Technique -- Power Loss Minimization and Voltage Improvement with Small Size Distributed Generations in Radial Distribution System Using TOPSIS -- Applied Computational Intelligence in Power Electronic Inverter to Mitigate Harmonics -- Design and Analysis of Dc Power Supply for Solid State Power Amplifier -- Novel Current Source Multi-level Inverter for Efficient Electrical Arc

This book gathers selected research papers presented at the International Conference on Power, Control and Communication Infrastructure 2019 (ICPCCI 2019), organized by the Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad, Gujarat, India, on July 4–5, 2019. It highlights the latest advances, trends and challenges in electrical power generation-integration-transmission-distribution-conversion-storage-control, electrical machines, power quality, energy management, electrical infrastructure of future grids-buildings-cities-transportation, energy conversion, plasma technology, renewable energy & grid integration, energy storage systems, power electronic converters, power system protection & security, FACTS and HVDC, power quality, power system operation & control, computer applications in power systems, energy management, energy policies & regulation, power & energy education, restructured power system, future grids, buildings, cities & resiliency, microgrids, electrical machines & drives, transportation electrification, optimal operation, electricity-gas-water coordination, condition monitoring & predictive maintenance of electric equipment, and asset management. The solutions discussed here will encourage and inspire researchers, industry professionals and policymakers to put these methods into practice.
