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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Improved Simplex Based Particle Swarm Optimization for Environmentally Constrained Economic Dispatch Problem in Thermal Power Plants -- FC-TBSR Compensator for Reactive Power Compensation and Voltage Swell Mitigation -- A Unique Multiple DG's Allocation Technique for Loss Minimization in Distribution System -- Modelling of a Micro-Grid For Bali Village Using HOMER Software -- Transient Stability Based Security State Classification of Power System Networks Using Kohonen's Neural Network -- A Clustering and Weighted Euclidean Norm Based Short Term Load Forecasting of Normal and Anomalous Days -- Wavelet Based Algorithm for Fault Detection and Discrimination in UPFC Compensated Multiterminal Transmission Network -- Study of Fault Current Limiter- A Survey -- PLL less Control Algorithm for Power Quality Improvement in Distribution System Using DSTATCOM -- Dynamic Stability Enhancement of a Variable Solar Penetrated Power System by Fractional

UPFC Based Controller -- Voltage Stability Enhancement Using SVC in PSCAD Software -- Renewable Energy Source Based Microgrid: Control & Dynamics.

Sommario/riassunto

The book is a compilation of selected papers from 2020 International Conference on Electrical and Electronics Engineering (ICEEE 2020) held in National Power Training Institute HQ (Govt. of India) on February 21 – 22, 2020. The work focuses on the current development in the fields of electrical and electronics engineering like power generation, transmission and distribution, renewable energy sources and technology, power electronics and applications, robotics, artificial intelligence and IoT, control, and automation and instrumentation, electronics devices, circuits and systems, wireless and optical communication, RF and microwaves, VLSI, and signal processing. The book is beneficial for readers from both academia and industry.
