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Autore	Pettineo, Benedetto
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Altri autori (Persone)	Stoka, Marius
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Nota di contenuto

Smart Algorithm for Optimal Energy Utilization in EV Charging Stations -- Real Power loss Minimisation and Energy Cost Saving with DG and Capacitor using JAYA Algorithm in Radial Distribution System -- Design and Analysis of a Grid-connected Solar Photo-voltaic (SPV) Power Plant of 10 kW -- Fault Classification of Dry Type Transformer using Pattern Recognition Neural Network -- Design and Development of Emulated Fuel Cell Based Hierarchical Controlled DC Microgrid System -- Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery -- A Novel Hybrid Islanding Detection Technique in Multi DG Microgrid System -- Life Cycle Assessment of a Hybrid Solar based Electric Vehicle Charging Station using SimaPro -- Potential Assessment for Repowering of Solar Projects in India -- Modelling and Economic Optimization of Residential Load Based Microgrid in HOMER Pro by Dispatch Strategy -- Conductance Factor-Based Control of Solar Photo-Voltaic fed Shunt Active Power Filter -- Machine Learning Based Prediction of Solar Power Plant Performance under the Impact of Natural Dust Accumulation -- Application of Neural Networks in Reliability Evaluation of Distribution Networks Integrated with Distributed Generation -- Feasibility Assessment of the Smart Grid in Uganda -- Two Stage Boost Inverter for Wave Energy Conversion.

Sommario/riassunto

This book presents selected papers from the 8th International Conference on Advances in Energy Research (ICAER 2022), providing coverage encompassing advanced conventional energy technology, renewable and non-conventional energy technology, electric mobility, energy storage, energy, environment and society, industry innovations in energy, sector-coupled energy system, and energy education. The contents of this book are of use to researchers from not only scientific background, but also economics and anthropology. It encourages researchers to conduct research on the ways to assess and analyse the acceptance of the novel energy forms among the mass population from a financial and social perspective.