1. Record Nr. UNINA9910416128403321

Titolo	Energy Systems, Drives and Automations [[electronic resource]] : Proceedings of ESDA 2019 / / edited by Afzal Sikander, Dulal Acharjee, Chandan Kumar Chanda, Pranab Kumar Mondal, Piyush Verma
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-5089-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (711 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 664
Disciplina	621.317
Soggetti	Power electronics Energy systems Control engineering Robotics Mechatronics Renewable energy resources Power Electronics, Electrical Machines and Networks Energy Systems Control, Robotics, Mechatronics Renewable and Green Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mitigation Methods of Ground Leakage Current Caused by Common-Mode in Voltage Frequency Drives -- Implementation of ANN based UPQC to Improve Power Quality of Hybrid Green Energy System -- Thermal energy management strategy of the photovoltaic cell using Ferromagnetohydrodynamics -- ANN Based Faster Indexing with Training-Error Compensation for MW Security Assessment of Power System -- Effect and Utilization of Leakage Inductance on the Performance of Multi-Zone and Multi-Load Half-Bridge Inverter Based Induction Heating System -- Static and CV analysis of Gate engineered GAA Silicon Nanowire MOSFET for High Performance Applications -- Prediction of Disease Using Machine Learning and Deep Learning -- Effect of Source, Drain and Channel Spacing from Gate of HEMT --

SFS/PI Approach for AGC of Two Area Interconnected Thermal Power System -- An Active Multifunctional Filter Design Using Carbon Nanotube Transistors -- A Comprehensive Study of Time Moments and Markov Parameters in System Reduction -- Computing Processes of Recurrent Neural Network at Different Layers -- The mathematical modeling validation for fault location technique in parallel transmission lines -- Efficient FPGA Implementation of FIR Filter Using Distributed Arithmetic -- Voltage Cultivation from Fresh Leaves of Air Plant, Climbing Spinach, Mint, Spinach and Indian Pennywort for Practical Utilization.

Sommario/riassunto

This book gathers selected research papers presented at the Second International Conference on Energy Systems, Drives and Automations (ESDA 2019), held in Kolkata on 28–29 December 2019. It covers a broad range of topics in the fields of renewable energy, power management, drive systems for electrical machines and automation. Also discussing a variety of related tools and techniques, the book offers a valuable resource for researchers, professionals and students in electrical and mechanical engineering disciplines.