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Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 862
Disciplina	363.70028563
Soggetti	Electric power production Electronic circuits Nanoelectromechanical systems Computer networks Electric power distribution Renewable energy sources Electrical Power Engineering Electronic Circuits and Systems Nanoscale Devices Computer Communication Networks Energy Grids and Networks Renewable Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fault Analysis and Protection Scheme for DC Microgrid -- A Case Study on Electric Vehicle Conversion from an Internal Combustion Engine Vehicle -- Image Processing Using Elephant Herding Optimization: A Review -- A Review on IOT based Efficient Energy Management System for Smart homes -- Minimization of Tie-line Power Fluctuations using GCSC with Gas-Thermal -EV System for LFC Considering Time-Delay Effect -- Investigation of Timing Issues of True Single-Phase Clock Circuits for Nanodevices -- Comparative Analysis of Machine Learning Techniques for Software Effort Estimation -- A Review of Factors Affecting the Sensitivity of Piezoresistive Microcantilever based MEMS

Force Sensor -- Dynamics Modeling and Motion Simulation of a Segway
Robotic Transportation System -- Microgrid Energy Management
Strategy for Low Dynamics Load Applications using Simulink.

Sommario/riassunto

This book compiles the best selected research papers presented during the 2nd International Conference on Intelligent Computing Techniques for Smart Energy Systems (ICTSES 2021), held at Manipal University, Jaipur, Rajasthan, India. It presents the diligent work of the research community where intelligent computing techniques are applied in allied fields of engineering ranging from engineering materials to electrical engineering to electronics and communication engineering- to computer-related fields. The theoretical research concepts are supported with extensive reviews highlighting the trends in the possible and real-life applications of computational intelligence. The high-quality content with broad range of the topics is thoroughly peer-reviewed and published on suitable recommendations.