1. Record Nr. UNINA9910766895803321

Autore	Yadav Sanjay
Titolo	Proceedings of the International Conference on Information Control, Electrical Engineering and Rail Transit : ICEERT 2022 / / edited by Sanjay Yadav, Rahul Kumar, Hidayat Zainuddin, Lvxiang Deng
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819964314 9819964318
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (378 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1084
Altri autori (Persone)	KumarRahul Hidayat Zainuddin DengLvxiang
Disciplina	385.20420285
Soggetti	Automatic control Robotics Automation Image processing Electric power production Telecommunication Control, Robotics, Automation Image Processing Electrical Power Engineering Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Experimental Assessment of a Current Controller Based on Non-Linear Auto Disturbance Rejection Control For DFIG-Based Wind Turbines During Grid Voltage Imbalance -- Photovoltaic Generation Scenario Reduction Method Based on Improved K-means Clustering -- Current Sharing Control of Disturbance Compensation for Parallel H-Bridge Converters Based on Finite-Time Control Technology -- Voltage-Frequency Control Strategy Based on Modular Multilevel Matrix Converter -- Research on voltage and frequency control method of wind turbine high proportion system -- Modeling and multi-objective

control strategy of two-stage energy storage system for peak shaving and valley filling -- Destination-demand-oriented EV Charging Scheduling Strategy Based On User Behavior Analysis -- Research on power load characteristics and cluster analysis of 5G communication base stations -- Experimental study on a new type of water storage tank for geothermal heating -- Research and application of automatic testing technologyof relay protection device based on substation monitoring information interaction -- Research on Power Sharing Method of Multi Terminal HVDC Transmission System Based on Voltage Droop Control -- Optimal siting and capacity allocation of BESS based on improved multi-objective particle swarm algorithm -- Research on Coordinated Control Technology of Distribution Network with Soft Open Point based on RTDS -- Research on the Optimization of Fixed Value Boundary of Line Distance Protection Load Impedance -- Analysis and Design of EAST New Generation Fast Control Power Integrated Protection System -- An Analysis Method for Residential Electricity Consumption Behavior Based on UMAP-CRITIC Feature Optimization and SSA-Assisted Clustering -- Simulation and FPGA implementation of transient power quality disturbance detection -- Performance of Dynamic Seal Torque Transfer System of Power Turbine Based on Magnetic Coupling -- Research on dense tiny object detection method of transmission line based on dynamic NMS -- Electrical insulator defect detection from incomplete annotations by positive-unlabeled learning -- Wide frequency band oscillation mechanism and suppression measures for grid interfaced PV inverters based on impedance analysis -- DG Hosting Capacity Assessment for Flexible Distribution Networks: A Moment-based Distributionally Robust Approach -- Research on the Establishment of Recognition System for Harmonic Amplification Phenomenon in Electric Transmission Lines Caused by Centralized Connection of Multiple Wind Power Plants -- Application of Hankel Dynamic Mode Decomposition for Wide Area Monitoring of Subsynchronous Resonance -- Research on abnormity detection based on smart meter big data analysis -- Dual Side Protection Control Strategy for UPQC based on ECVS-SMES HESS During Voltage Unbalance -- Optimization Planning Method for New Energy Grid Electricity-Hydrogen Conversion and Energy Storage Facilities Considering Source-Load Uncertainty -- Insulator Defect Detection Basedon Improved YOLOX -- Multi Source Coordinated Opportunity Optimal Scheduling with Multiple Uncertainties -- Bypassed On-Chaining: A Highly Secure and Loosely Coupled Data On-Chaining Solution for Electricity Demand Response Systems -- Operation Characteristics of LCC-HVDC Split-Pole Connected to Power Grids and Its Influence on Control and Protection System -- ABFT: High-Performance Asynchronous Byzantine Fault-Tolerant Consensus Algorithm for Electricity Data Metrology -- Semi-hot Redundant Control for MMC with Different Modulation Strategies -- An Ultra-Low Input Voltage Power Management System (Pms) for Thermoelectric Energy Harvesting -- Intelligent Recognition of Transformer and Converter Components Based on Deep Learning -- Research on Dual-channel Wide-Dynamic Microwave Rectifier Based on Automatic Input Power Distribution Technology -- Robustness Evaluation of Electric-Gas Coupling Integrated Energy System Based on Cascading Failure Theory -- A Novel Combined Model Based on Hybrid DataDecomposition, WOA And ENN for Short-Term Wind Speed Forecasting -- Customer Directrix Load Profiles under High Penetration of Winds Considering Contribution Factors of Generators to Load Bus -- Fuzzy Adaptive Tuning PI Control based MPPT Method for Variable Speed Wind Turbine System -- Research on distribution of grounding

current based on different earth models -- Key Factors Identification for the Energy Efficiency of Metro system based on DEMATEL-ISM -- A Design of Embedded Servo Measurement and Control System in High Performance -- Calculation and simulation model of three-dimensional electric field distribution of porcelain insulator string deterioration based on passive electro-optic field strength sensing technology -- Numerical Simulation of Resistive Current Extraction of 10kV MOA -- Intelligent Scheduling of AGV Based on Adaptive Traffic Control System Theory in Automated Terminal -- Research on automatic generation and verification of test sequence for new train control system -- Occluded vehicle detection with fusing motion information -- Study of An Acitve/Reactive Power Coordinative Control Method in Capacitor Series Inverter-based Microgrid -- Multi-agv cooperative scheduling model based on improved time window -- Train collision protection method based on virtual coupling technology -- Research on CTCS-N onboard equipment testing method based on timed automata mutation model -- Research on Connection Mode Recognition Method for Medium Voltage Distribution Network Based on CIM File Resolution and Theory -- A Robust Control Approach for Virtually Coupled Train Set with Parameter Uncertainty under External Perturbations -- Code-based PSO-SVM Algorithm for Network Security Posture Warning of Power System -- Connectivity Reliability of Compound Rail Transit Network: A Case Study of Beijing-Tianjin-Hebei Urban Agglomeration in China -- Performance analysis of empirical weighting method and Helmet variance component estimation method in CPIII data processing of longline -- Fault self-healing scheme of MMC DC distribution line -- Highly Reliable Warning Method for Tanker Rollover Based on Fuzzy Logic -- Real-time Train Rescheduling with Passenger Demand for Rolling Stock Rescue -- A based DSC Approach to Robust Adaptive Tracking Control for Strict-feedback Nonlinear Systems with Dead-zone Input -- Passenger Flow Estimation in Urban Rail Transit Transfer Station Based on Multi-source Detection Data -- Research on Maglev Track Irregularity Based on Power Spectral Density -- Research on Collection and Distribution Scheme of Railway Container Hub Based on Time Value-Space-Time Network -- Thermal simulation of I/O subsystem of an all-electronic computer interlocking based on finite element analysis -- Research and optimization of the coupling performance of pantograph-catenary system based on numerical simulation and experimental tests -- A Metro Traffic Flow Forecasting System Coupling Singular Spectrum Analysis, Deep Bidirectional LSTM Networks, and Ensemble Strategy -- Finite element analysis of near-field geomagnetic magnetic anomalies of underwater ferromagnets -- Research and application of key technologies for intelligent interpretation of natural resource satellite remote sensing images -- Optimal Dispatch of Active Distribution Network with Electric Vehicles Based on Improved CROA -- Single track railway segment passing capability calculation study based on Moving Block System -- Vibration Mitigation Design and Effect Prediction of Ballast Turnout in Metro Depot.

Sommario/riassunto

This book includes the peer-reviewed proceedings of the 2nd International Conference on Information Control, Electrical Engineering, and Rail Transit (ICEERT 2022). This book provides the advanced research results of transportation and covers the main research fields of information control, traffic information engineering, and control, intelligent transit, logistics, etc. This book aims to promote a new green and intelligent mode of rail transit between scholars from the top universities, research centers, and high-tech enterprises around the world, which is beneficial to researchers and practitioners in

mechanical engineering. .