1. Record Nr. UNISALENTO991002523989707536

Autore	Aarons, Maureen
Titolo	È autismo? : test di valutazione psicopedagogica / Maureen Aarons e Tessa Gittens
Pubbl/distr/stampa	Trento : Centro studi Erickson, 1993 (stampa 2001)
ISBN	8879460870
Edizione	[2. rist. della 2. ed.]
Descrizione fisica	61 p. ; 24 cm + protocollo di valutazione
Collana	Materiali di diagnosi funzionale
Altri autori (Persone)	Gittens, Tessaauthor
Disciplina	155.454
Soggetti	Fanciulli autistici - Sviluppo mentale - Valutazione
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Trad. di Bianca Maria Coletti

2. Record Nr. UNINA9910644263903321

Titolo	Recent Advances in Power Electronics and Drives : Select Proceedings of EPREC 2022 / / edited by Shailendra Kumar, Bhim Singh, Vijay Kumar Sood
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-7728-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (296 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 973
Disciplina	343.730967
Soggetti	Electric power production Electric power distribution Power electronics Energy policy Electrical Power Engineering Energy Grids and Networks Power Electronics Energy Policy, Economics and Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Contents -- About the Editors -- A New 51-Level Asymmetrical Inverter Circuit with Reduced Number of Components -- 1 Introduction -- 2 Suggested 51-Level MLI Circuit -- 3 Comparison Study -- 4 Simulation Results -- 5 Conclusion -- References -- Compact Power Supply for Induction Heating in Shrink Fitting -- 1 Introduction -- 2 Applications of Induction Heating -- 2.1 Industrial Applications -- 2.2 Domestic Applications -- 2.3 Medical Applications -- 2.4 Shrink-Fitting -- 3 Brief Survey of Converters Used in Induction Heating -- 3.1 Multi-output Voltage Source Inverter -- 3.2 Multilevel Neutral Point Clamped (MNPC) Inverter Topology -- 3.3 Dual-Mode Resonant Inverter -- 3.4 Interleaved Boost AC-AC Converter -- 3.5 Single-Switch Resonant Inverter -- 4 Selected Resonant Converter and Its Design -- 4.1 Modes of Operation -- 4.2 Design of Resonant Circuit -- 5 Simulation Results -- 6 Hardware Results -- 7 Conclusion -- References -- Investigation on Physics-Based Models of Lithium Ion

Batteries in Electric Vehicle Applications: A Review -- 1 Introduction -- 1.1 Difference Between Empirical Models and Physics-Based Models -- 2 Continuum Porous-Electrode Model -- 3 Single-Particle Reduced Order Model -- 4 Doyle-Fuller-Newman (DFN) Model -- 5 Reduced Order Models Using Discrete Realization Algorithm (DRA) -- 6 Hybrid Model -- 7 Conclusion -- References -- A Transformerless High Step up Dual Inductor Based DC-DC Converter for Fast Charging Application -- 1 Introduction -- 2 High Gain Non-isolated Converter -- 2.1 State 1 -- 2.2 State 2 -- 2.3 State 3 -- 2.4 State 4 -- 3 Analysis of the Converter -- 4 Simulation Results -- 5 Conclusion -- References -- A High Efficiency Isolated Bidirectional Reduced-Switch DC-DC Converter for Electric Vehicle Applications -- 1 Introduction -- 2 Proposed Configuration -- 2.1 Circuit Diagram.
2.2 Design of Components -- 3 Modes of Operation -- 3.1 Mode 1 -- 3.2 Mode 2 -- 3.3 Mode 3 -- 3.4 Mode 4 -- 4 Simulation Results -- 5 Comparison Results with a Recent Similar Topology -- 6 Conclusion -- References -- Comparative Analysis of Resonant Converter Topologies for Multiple Load Light Emitting Diode Applications -- 1 Introduction -- 2 Classification of LED Drivers -- 3 Multiple Load Resonant LED Driver Topologies -- 3.1 Three-Leg Resonant LED Driver Topology [79] -- 3.2 Multi-channel LED Driver Topology Based on Switch Controlled Capacitor (SCC) [80] -- 3.3 Two-Channel LED Driver with Automatic Current Balance [81] -- 3.4 Non-isolated Wide Input Series Resonant Converter (SRC) Topology [82] -- 3.5 Soft Switched Full Bridge LED Driver Topology [83] -- 3.6 Ripple-Free Full Bridge LED Driver Topology [84] -- 4 Results and Discussions -- 5 Conclusion -- References -- State-of-Charge Estimation in Lithium-Ion Battery for Electric Vehicle Applications: A Comparative Review -- 1 Introduction -- 2 Overview on Battery Modeling for SOC Estimation -- 3 Definition of SOC -- 4 Methods for SOC Estimation -- 4.1 Direct Measurement Methods -- 4.2 Book Keeping Methods -- 4.3 Indirect Measurement Methods -- 4.4 Hybrid Methods -- 5 Summary -- References -- Novel High Voltage Pulse Generator Structure for Water Treatment Applications -- 1 Introduction -- 2 Quadratic Boost Converter Ringing Circuit (QBCRC) -- 2.1 Operation of QBCRC -- 2.2 Analysis of QBCRC -- 3 Simulation Results of QBCRC -- 4 Hardware of QBCRC -- 5 Conclusion -- References -- Static and Dynamic Analysis of IGBT Power Modules for Low and High-Power Range Electric Drives -- 1 Introduction -- 2 Static Analysis -- 2.1 ON State -- 3 Dynamic Analysis of an IGBT Power Module -- 4 Hardware Implementation and Results -- 4.1 Static Analysis -- 4.2 Dynamic Analysis.
5 Performance Analysis with Respect to Speed -- 6 Conclusion -- References -- Implementation of Multilevel Inverter with Reduced Switching Components -- 1 Introduction -- 2 Proposed Method -- 2.1 Block Diagram of Proposed Methodology -- 3 Reduced Switch Multilevel Inverter -- 3.1 Modes of Operation -- 3.2 MATLAB Simulation of Reduced Switch Multilevel Inverter -- 3.3 Conventional Cascade Multilevel Inverter -- 3.4 Comparison Between Cascade Inverter and Modified Inverter -- 4 Conclusion -- References -- Design and Implementation of Resonant WPT for Electric Vehicle Battery Charging -- 1 Introduction -- 2 Design of a System -- 2.1 Rectifier Circuit -- 2.2 Compensation Network -- 2.3 Primary and Secondary Circuits -- 3 Mathematical Modelling -- 4 Results and Discussion -- 5 Conclusion and Future Scope -- References -- A Comparative Simulation Study Between ZSI and BB-ZSI Based Distribution Static Compensator for Power Quality Improvement in Power Distribution Network -- 1 Introduction -- 2 Topology Descriptions -- 3 Proposed

ALMS Control Algorithm -- 4 Simulation Results -- 4.1 Shunt Compensation Analysis of ZSI -- 4.2 Shunt Compensation Analysis of BB-ZSI -- 5 Conclusion -- References -- A Novel EDS Fed Trans-ZSI Based DSTATCOM for PQ Improvement -- 1 Introduction -- 2 Circuit Configuration and Operation of Trans-ZSI Based DSTATCOM -- 2.1 Trans-ZSI Operations -- 3 Proposed ALMS Control Algorithm -- 4 Simulation Results -- 4.1 Shunt Compensation Analysis of ZSI -- 4.2 Shunt Compensation Analysis of Trans-ZSI -- 5 Conclusion -- References -- PFC Isolated Cuk Converter Based Sensored BLDC Motor for the Application of Ceiling Fan -- 1 Introduction -- 2 Converters Topology and PFCC Design -- 2.1 Overview of Isolated Cuk Converter -- 2.2 PFCC Design -- 2.3 Calculation -- 2.4 Filter Design Calculation -- 3 Dynamic Modeling of BLDC Motor.
4 BLDC Motor Parameters -- 5 Simulation and Results -- 5.1 Steady-State Operation -- 5.2 Dynamic Operation -- 5.3 Modes of a Ceiling Fan -- 6 Power Loss Analysis -- 7 Conclusion -- References -- Performance Analysis of Multi-level DC-AC Inverter for Solar Power Application -- 1 Introduction -- 2 Circuit Configuration -- 2.1 Photovoltaic System -- 2.2 DC-DC Converter -- 2.3 Multi-level Inverter -- 3 Results and Discussion -- 4 Conclusion -- References -- Development of a Smart Wind Monitoring System Using Arduino Technology -- 1 Introduction -- 1.1 Literature Review -- 1.2 Objective -- 2 Proposed Mythology -- 2.1 IoT and Things Speak Website -- 2.2 NodeMCU and Sensors -- 3 Implementation -- 3.1 Designing Devices with Sensors -- 3.2 Display Design Sensor Output on the Web -- 4 Results and Discussion -- 5 Conclusions -- References -- Development of a Power Quality Analyzer Using Arduino Technology -- 1 Introduction -- 1.1 Literature Review -- 1.2 Objective -- 2 Power Quality Concepts -- 2.1 Fast Fourier Transform -- 2.2 Harmonic Analysis -- 2.3 Total Harmonic Distortion (THD) -- 2.4 Arduino Nano -- 3 Implementation -- 3.1 Circuit Diagram -- 3.2 Hardware Setup -- 3.3 Working and Simulation -- 3.4 Calculations -- 4 Results and Discussion -- 4.1 THD Analysis -- 4.2 Validation Using Digital Storage Oscilloscope (DSO) -- 4.3 Error Analysis -- 5 Conclusions -- References -- Power Quality Improvement in PMBLDC Motor Drive Using Front End Converter with Reduced Power Stages -- 1 Introduction -- 2 System Description -- 3 Mathematical Modeling and Control -- 3.1 Modelling of the PMBLDC Drive -- 3.2 Grid Side Front End Converter Control -- 3.3 PMBLDC Motor Side Converter Control -- 4 Results and Discussion -- 4.1 Analysis of the PMBLDC Drive Under Steady State Conditions -- 4.2 Starting Response of PMBLDC Motor Drive.
4.3 Dynamic Performance of PMBLDC Motor Drive -- 5 Conclusion -- Appendix -- References -- Power Quality Analysis of Grid Connected Solar Powered EV Charging Station: A Review -- 1 Introduction -- 2 Grid-Connected PV System -- 2.1 PV Arrays -- 2.2 DC-DC Boost Converter -- 2.3 DC-AC Inverter -- 3 Issues of Power Quality in Grid-Integrated System -- 3.1 Harmonics -- 3.2 Voltage Variation -- 3.3 Reactive Power -- 3.4 Frequency Variation -- 4 Literature Survey -- 5 Research Gap -- 6 Conclusion -- References -- Improved Non-isolated DC-DC Boost Converter with High Gain Capability for Renewable Energy Microgrids -- 1 Introduction -- 1.1 Problem Statement -- 1.2 Literature Survey -- 1.3 Paper Contribution and Organization -- 2 Description of the Proposed Topology -- 3 Simulation Results and Discussion -- 3.1 Conventional Versus Proposed Topology Analysis -- 4 Conclusion -- References -- A Unified Rounding Control Scheme for T-type Packed U-Cell Switched Capacitor-Based Multilevel Inverter Topology -- 1 Introduction -- 2 Description of Topology and Proposed

Control Scheme -- 3 Comparative Analysis -- 4 Simulation Results -- 5 Conclusion -- References.

Sommario/riassunto

This book presents select proceedings of the Electric Power and Renewable Energy Conference 2022 (EPREC-2022). It provides rigorous discussions, case studies, and recent developments in the emerging areas of power electronics, especially power inverters and converter, electrical drives, regulated power supplies, operation of FACTS and HVDC, etc. The readers would be benefited from enhancing their knowledge and skills in these domain areas. The book is a valuable reference for beginners, researchers, and professionals interested in advancements in power electronics and drives.