

S3 Technologies

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Projects

IEEE 2016-2017 POWER ELECTRONICS PROJECTS

S.NO	Titles	YEAR
S3001	<u>A Hybrid Electrical Magnetic Power Quality Compensation System with Minimum Active Compensation Capacity for V/V Co-phase Railway Power Supply System</u>	2016
S3002	<u>A Hybrid-STATCOM with Wide Compensation Range and Low DC-Link Voltage</u>	2016
S3003	<u>A Novel Multi-Input Converter Using Soft-Switched Single-Switch Input Modules with Integrated Power Factor Correction Capability for Hybrid Renewable Energy Systems</u>	2016
S3004	<u>A Novel Ten-Switch Topology for Unified Power Quality Conditioner</u>	2016
S3005	<u>Analysis of DC-Link Operation Voltage of a Hybrid Railway Power Quality Conditioner and Its PQ Compensation Capability in High-Speed Cophase Traction Power Supply</u>	2016
S3006	<u>Combined LMS-LMF Based Control Algorithm of DSTATCOM for Power Quality Enhancement in Distribution System</u>	2016
S3007	<u>High-Frequency Power Transformers With Foil Windings: Maximum Interleaving And Optimal Design</u>	2016
S3008	<u>Control of Single-Phase Power Converters Connected to Low Voltage Distorted Power Systems with Variable Compensation Objectives</u>	2016
S3009	<u>Control of Single-Phase Power Converters Connected to Low Voltage Distorted Power Systems with Variable Compensation Objectives</u>	2016
S3010	<u>Design and Evaluation of Isolated Gate Driver Power Supply for Medium Voltage Converter Applications</u>	2016
S3011	<u>Design of Power Converter for Model of Photovoltaic Power Plant</u>	2016
S3012	<u>An Improved Phase-Shifted Carrier Modulation for Modular Multilevel Converter to Suppress the Influence of Fluctuation of Capacitor Voltage</u>	2016
S3013	<u>Control of a Small Wind Turbine in the High Wind Speed Region</u>	2016

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S3014	<u>Modeling and Control of a Resonant Dual Active Bridge With a Tuned CLLC Network</u>	2016
S3015	<u>Efficient Transformerless MOSFET Inverter for a Grid-Tied Photovoltaic System</u>	2016
S3016	<u>Stabilization of Cascaded DC/DC Converters via Adaptive Series-Virtual-Impedance Control of the Load Converter</u>	2016
S3017	<u>Two Efficient Lattice Rescoring Methods Using Recurrent Neural Network Language Models</u>	2016
S3018	<u>A Regression Approach to Single-Channel Speech Separation Via High-Resolution Deep Neural Networks</u>	2016
S3019	<u>DC-Link Stability Analysis and Controller Design for the Stacked Poly phase Bridges Converter</u>	2016
S3020	<u>A Single-Phase Buck-Boost Matrix Converter with Only Six Switches and Without Commutation Problem</u>	2016
S3021	<u>High Efficiency Bi-directional Converter for Flywheel Energy Storage Application</u>	2016
S3022	<u>A Novel DBC Layout for Current Imbalance Mitigation in SiC MOSFET Multichip Power Modules</u>	
S3023	<u>Accurate Capacitive Current Balancing in Multi string LED Lighting Systems Based on Switched-Capacitor-Controlled LCC Resonant Network</u>	2016
S3024	<u>Improving Loading and Unloading Transient Response of a Voltage Regulator Module Using a Load-Side Auxiliary Gyrator Circuit</u>	2016
S3025	<u>Least Power Point Tracking Method for Photovoltaic Differential Power Processing Systems</u>	2016
S3026	<u>Electrified Automotive Power train Architecture Using Composite DC-DC Converters</u>	2016

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S3027	<u>Model Predictive Based Maximum Power Point Tracking for Grid-tied Photovoltaic Applications Using a Z-Source Inverter</u>	2016
S3028	<u>A Low-Power High-Stability Flexible Scan Driver Integrated by IZO TFTs</u>	2016
S3029	<u>Optimal Relay Probing in Millimeter Wave Cellular Systems with Device-to-Device Relaying</u>	2016
S3030	<u>Artificial Noise Aided Secrecy Information and Power Transfer in OFDMA Systems</u>	2016
S3031	<u>A DC-voltage Controlled Variable Capacitor for Stabilizing the ZVS Frequency of a Resonant Converter for Wireless Power Transfer</u>	2016
S3032	<u>A Fast Charging Switching-Based Charger with Adaptive Hybrid Duty Cycle Control for Multiple Batteries</u>	2016
S3033	<u>Efficient Single Phase Transformer less Inverter for Grid-Tied PVG System With Reactive Power Control</u>	2016
S3034	<u>Voltage Vector Error Fault Diagnosis for Open-Circuit Faults of Three-phase Four- Wire Active Power Filters</u>	2016
S3035	<u>Fault-Tolerant Control of Dual Three-Phase Permanent-Magnet Synchronous Machine Drives under Open Phase Faults</u>	2016

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