	Poster Presentation
TT1	- TT7 19-11-2024, 10:30-11:00 am (Tulika Bhattacharya CPRI Banglore, CMC Krishnan, Prajof P) Venue: LHC-C, Ground Floor
Paper ID	Paper Details (Title & Authors)
134	PSO-Based Optimised Type-III Controller for Dual-Input Bipolar Triple-Output Coupled Inductor Buck Converter; Isac Daimary and Rajib Jana
	100 Bused optimised Type III controller for Built imput Bipolar Triple output coupled inductor Buck converter, isde Builtary and ragio said
247	Non-Linear PID based Power Quality Improvement using Single-Phase Shunt Active Power Filter; Jotirmoy Samanta, Ralli Sangno, and Rajen Pudur
436	Performance optimization of FCL in DC Microgrid using Meta-Heuristic Techniques; Rachita R Sarangi, Prakash K. Ray, Sudarsan Swain, Monalisa
430	Sahoo, and Asit Mohanty
441	Optimized IGWO based MPPT for High-Gain 13-Level Switched Capacitor Multilevel Inverter; Arya Singh, Dr. V. N Lal and Ranjit Mahanty
774	d-axis Disturbance Injection and Wavelet Transform Based Islanding Detection; Senthil Kumar M, Suman Murugesan
220	Soft Switching Range Extension of Bidirectional DC-DC Converter for Applications Demanding Wide Voltage Gain; Roja Roy and Jayakumar P
105	Satellite Tumbling Control Using Magnetorquers; Malavika S, Merin Anna John, S Meenakshi, Advaith P S, Nisha G K, and Vrinda Prasad
125	Transformer Current Stress Minimization Using Voltage Matching Control in a Solar PV Fed Dual Active Bridge Converter; Vivek Agarwal and
	Shashank Kurm
127	Integrated Speed and Current Control with Adaptive Sliding Mode Based Deadbeat Predictive Strategy Considering Disturbances for In-Wheel PMSMs; Vinod Rajeshwar Chiliveri, Kalpana R, and Dharavath Kishan
	r Wishis, vinou Rajeshwar Chitiveri, Kaipana R, ana Dharavain Rishan
131	A Simplified Primary Side Control Strategy for Resonant Inductive Power Transfer Systems; Avishek Munsi Sushan Pradhan and Kunwar Aditya
138	Development of FPGA-based Interface Card for Power Electronic Converter Control; Hitesh Malviya and Chandan Kumar
	Current Ripple Analysis of 72° Phase-Clamping PWM Techniques for Five-Phase Drive; Sourabh Ashok Sadale, Devendra R Dhore and Ramsha
627	Karampuri
175	Optimized IGWO based MPPT for High-Gain 13-Level Switched Capacitor Multilevel Inverter; Arya Singh, V. N Lal, and Ranjit Mahanty
219	Comparative Studies of Wire-wound and Planar Transformers in a PSFB Converter for Welding; Gourab Banerjee, Abhishek Kar, Dona Chakraborty,
219	Sayantan Chanda, and Mainak .Sengupta
911	Design, Analysis and Comparison of 5kW Synchronous Reluctance Motor and Interior PM Synchronous Motor for EV Application; Anurag Sharma,
	Durgesh Kumar Banchhor, and Amit Kumar Jain
279	Sustainable Maritime Transportation through Modular Wireless Shore-to-Ship Charging; Gyanendra Tiwari, Rakesh Pulletikurthi, and Deepak
	Ronanki
287	Assessment of Unbalance Factor in Line Currents during Fault Tolerant Operation of Five Phase Induction Motor-Drive System; Jahera Shaik and R Chudamani
417	A Comprehensive Analyses of Single-Phase Grid-tied Bidirectional Electric Vehicle Charger; Satyabrata Behera and Venkata Ramana Naik N
322	Loop Shaping based Robust Controller Design for Boost Converter in DC Microgrid; Akanksha Dwivedi and Ahmad Ali
332	A New Control Scheme for V2G Power Transfer in Modified Series-Parallel Resonant Converter; N. J. Merlin Mary and Shelas Sathyan
247	Transient Stability Enhancement of a Synchronous Generator Using DFIG Considering its LVRT Capability; Jitendra Kumar Mahawar, Gururaj M
347	Vishwanath, and Saikat Chakrabarti
349	Minimization of DC Bus Side Current Ripple in DFIG Supported DC Micro Grid; S aumya Tripathi and Amit Kumar Jain
488	Design of a Robust H-Infinity Plasma Position Controller for Aditya-U Tokamak; Sachin Kumar, Bidyadhar Subudhi, and Rohit Kumar
364	Comparative Analysis of Multiport Boost Converter and Z-Source Multiport Converter for EV Charging; Sneha Mahobiya and Jose Thankachan
381	A Critical Analysis of Flywheel Energy Storage Systems' Technologies, Applications, and Prospects; Rupesh Kumari and Kumkum Dubey A Platform-less Voltage-Sourced Wind Energy Collection System for Offshore Wind Farms Using Single Active Bridge (SAB) Converters; Sakshi
149	Singh, Dheeman Chatterjee, and Tanmoy Bhattacharya
418	A Novel Approach to Accurate Small Signal Modeling of Resonant Converters; Goutam Ghosh, Soumitro Vyapari, and Viju Nair
576	A Novel Control Technique for Dual Active Bridge Converter; Gudelli Shivakumar, Paila Lokanadham, Bighnaraj Panda, and Amarendra Edpuganti
308	Analysis of Power Deployment Characteristics and Costs of Energy Storage Systems for Frequency Regulation in Renewable-rich Power Grid;
308	Khwrwmdao Basumatary, Hafiz Zubyrul Kazme, and Anup Shukla
564	
	Design and Analysis of High Torque Toroidal Motor for Low-speed Spacecraft Actuators; Smitha Krishnan, Srirama Srnivas, and Ravichandran MH
569	Audio-Susceptibility in Peak Current Controlled CI-SIDO Buck Converter; Gayatri Nayak, Paban Bujor Barua, and Shabari Nath
358	Decentralized Frequency and DC-Voltage Deviation Control in Multi-Terminal HVDC (MTDC) Grids with High Penetration of Renewable Sources; Satish Kumar Ancha and Bibhu Prasad Padhy
	Design of Ferrite Magnet assisted Synchronous Reluctance Motors for Electric Vehicle applications; Sandeep Reddy Tukkani, Sai Krishna Mulpuri, Om
644	Jee Singh, and Praveen Kumar
648	Modified Field Oriented Control Based Kramer Drive for Wound Rotor Induction Motor with Sinusoidal Machine Current and Voltage; Indrasis
	Roy and Amit Kumar Jain
	Modular Multilevel Converter Control by Using Sorting Algorithm and Smoothing Of Arm Inductor Current; Narayana Murthy Malladi, Mohd Alam,
698	and Narendrababu A
824	Inspecting Cascaded Boost Configuration Linking LVDC and CDC Bus in DC Microgrid; Himansu Sahoo, Santanu Kapat, and Bhim Singh

849	Analysis of Integrated On-Board Charger for 400 V and 800 V EV Battery Using Dual-Mode Three-Leg LLC Resonant Converter; Dharavath Kishan, Bussa Vinusha, Marupuru Vinod, and Kalpana R
816	A Grid Resilient Wide EV Segment Portable DC Charger with Seamless Phase Transition Adaptability Over Consistent Power Processing; Saran Chaurasiya and Bhim Singh
840	Model Predictive Control of a New Common-Mode Current Free EV Charger with a Wide Output Voltage Range; Preetha Philip and Deepak Ronanki
841	Design of a Multi-Mode DC-DC Converter for High-Power Wireless Charging of Electric Vehicles; Dharavath Kishan, Mallikarjuna Balimidi, Md Waseem Ahmad, and Andrii Chub
866	DC Link Capacitor Loss Minimization for Medium Voltage High Power Railway Traction Converter; Pooja Kumari, Sourav Ghimirey, and Avanish Tripathi
887	Peak Current Mode Controlled Phase Shifted Multi-phase Buck Converter for 48V/72V EV Battery Charging; Amit Kumar Singh, Anirban Ghoshal, and Sukanta Das
974	Design and Analysis of Wide Bandgap Device Based DAB Converter for EV On-Board Chargers; Abhishek Kumar, Kalpana R, and Phaneendra Babu Bobba
448	Reconfigurable Type I And Type II Buck-Boost Partial Power Converter for EV Fast Chargers; Daniel Pesantez, Hugues Renaudineau, Samir Kouro, Sebastian Rivera, and José Rodríguez
945	Congestion Management in Distribution Systems Through Distribution Congestion Prices, Etesola Imchen and Dr.Dipu Sarkar

	Poster Presentation
TT1- TT7	19-11-2024, 3.00-3.30 pm (Pradyumn Chaturvedi VNIT Nappur, Shashidhar Mecha Kotian) Venue: LHC-C, Ground Floor
Paper ID	Paper Details (Title & Authors)
139	Digitally Controlled PWM Rectifier for Harmonic Reduction and Bidirectional Power Flow; Bonagiri Bhanuprakash, Manoj Leelachand Gandhi,
139	Seema Singhai Sheth, and Dr. M S Ansari
168	A Fault Tolerant N-Level Isolated Inverter Topology to Handle All Open Circuit Switch Faults, Venkataramanaiah Jammala, Gulshan Yadav, Deep M.
	Gohil, and Suresh Lakhimsetty
271 483	Hybrid Converter with Simultaneous DC and AC Outputs; Jotirmoy Samanta, Ralli Sangno, Rajen Pudur, and Mohan Aware Staircase Modulation for 17-level Packed E-Cell Multilevel Inverter; Mohammad Alhassan and Santosh K Singh
	A Sensing Coil in Inductive EV Charging Systems for Estimating the Coupling Coefficient and Receiver Resonant Frequency; Nakkeeran R,
608	Bharatiraja C
786	An Isolated High Gain Quadratic DC-DC Boost Converter for Fuel Cell Application; Soumyarupa Saha and Subhendu Dutta
953	A Unique Z-Source DC-DC Converter with Reduced Stresses on Passive Components; Roshan Pariyar and Aurobinda Panda
970	Universal Three-Phase On-Board EV Charger Using Bridgeless Non-Isolated Boost-Buck Converter Topology; Devachandra Pukhrambam Singh,
	Hage Kaku, and M Deben Singh
19	FPGA Based Digital Controller for Two Stage On-Board EV Charger; Pawan Kumar Reduced Power Processing High Efficient LED Driver; Sai Rohit Chikatimarla, Haroon Saqib Mohammed, Ramesh Babu Pallapati, and Dr. Ramulu
79	Chintam
311	Modelling and Analysis of A Dual-Loop Current Control Strategy For Grid-Tied Inverters With LCL Filter, Avinash V S N Bhamidipati and Krishna
311	Vasudevan
558	A Novel Hybrid Harmonic Estimation Technique based on Recursive Least Square and Artificial Protozoa Optimizer; Ashok Bhoi, Ranjan Kumar
	Mallick, Pravati K Nayak, Sairam Mishra, Gayadhar panda, and Renu Sharma
956	Optimized Power Quality Using Integrated Current and Voltage PFC for Energy Storage Application, Mahi Teja Talluri, Amalina Das, Suman Murugesan, and V. Karthikeyan
799	Taxonomy of Fault Analysis Methods for Protection of Transmission Lines; Mallikarjuna Balimidi, Gopakumar P, and Dharavath Kishan
216	Intelligent Algorithms for Fault Localization in Unbalanced Active Distribution System; Archana Tamrakar and Saumendra Sarangi
896	Analysis of the Correlation Between Axial Force And Movement of A Rotor Magnet In A Four-Layered Stack Structured Permanent Magnet
	Bearing Using The Finite Element Method, RAJEEV KUMAR, PABITRA KUMAR BISWAS, and Suraj Gupta
710	Dual LUT-based DTC Strategy for Optimized Energy Efficiency in Electric Vehicles Powertrains; Amit kumar and Ranjan Kumar Behera
768	Detection and Discrimination between Stator Winding Faults and Unbalanced Supply Voltage by Monitoring Rotor Bar Voltage; Tushar Gulabrao
807	Vilhekar and Makarand Ballal Optimized Super Twisting Sliding Mode Based Direct Torque Control for BLDC Motor; Utkal Ranjan Muduli
	Grid Power Quality Management with SCR-Based CSI fed Medium Voltage Induction Motor Drive, Pratyush Pandey, Harikrishnan P, and Kamalesh
	Hatua
467	Multi-Stage CC-CV Charging of an Off-board Charger using Modulated Model Predictive Control; Durga Prasad Pilli, Deepak Ronanki, and Jose
	Ramon Rodriguez Perez Planar Magnetics based Onboard Electric Vehicle Charger with Auxiliary Supply; Vrundesh S Pawde, Ritesh Kumar Keshri, Suman Saurav, Pankaj R.
550	Sawarkar, Hiralal Suryawanshi, and VP Shamal
556	
	Triple Active Bridge Converter for Electric Vehicle Applications, Amit Upadhyay, Dr. Venkata Ramana Naik N, Satyabrata Behera, and Markala Karthik
107.	Real-Time Experimental Validation for Assessing Efficiency of On-Board Chargers, Archana A N, Priya Poulose, Sruthimol T, Megha V Thomas, and
	Bharath Vinod
757 540	Grid Forming control of THSSC under unbalanced grid condition, Ajay Singh Negi, IbhanChand Rath, and Siba Kumar Patro Enhanced Canvasback Swarm Algorithm for Active Power Loss Diminution and Voltage Stability Enhancement; Lenin Kanagasabai
	Model Order Reduction of A Single Area Power System using Direct Truncation with Mihailov Criteria Technique, Salik Ram Dewangan, Pushkar
610	Dewangan, Vinay Pratap Singh, And Umesh Kumar Sahu
673	Circulating Current Mitigation Among Sources in DC Microgrid Using Distributed Secondary Controllers; Ayman Khalfalla, Shirazul Islam, Atif
	Iqbal, and Farhad Ilahi Bakhsh
705	Enhanced Finite Control Set Predictive Current Control for Modular Multilevel Converters; Vempali Bhuma Naga Satya Sai, Deepak Ronanki, and
	Apparao Dekka Al Deivor Control of Florible Pevel (in Needles in Minimelly Investive Surgery Hilliging Adoptive Multi-leven Descention Architecture Vesselile
869	AI-Driven Control of Flexible Bevel-tip Needles in Minimally Invasive Surgery Utilizing Adaptive Multi-layer Perceptron Architecture, Kaushik Halder, Felix Orlando Maria Joseph, and Radhey Shyam Anand
25-	Charging Area Based State of Health Estimation of Lithium-Ion Battery Pack for EV Applications, Monu Kumar, Makarand Ballal, and Devang
385	Pramod Kubitkar
396	Experimental Study and State of Charge Estimation of A123 Li-Ion Cylindrical Cell Using Passivity Observer in Different Temperatures, Aakash
370	P.A, and Manivannan R
400	Modelling and Simulation Analysis of Innovative Offshore Wind Energy Plant; Kundan Kumar, Wairokpam Dhanraj, Sanjeet K Dwivedi, Vima P Mali,
	and Subrata Banerjee State Space Mothematical Modeling and State of Change Estimation of 18650 Danaganic Litian Pottow, Using L2 L1 Observer Design. Aim Visualing
401	State Space Mathematical Modeling and State of Charge Estimation of 18650 Panasonic Li-ion Battery Using L2-L1 Observer Design, Ajay Kumar R.B and Manivannan R
.=.	Integration of Fuel Cell with Doubly Fed Induction Generator for Distributed Power Generation with Improved Power Quality, Kushal Verma,
478	Shailendra Kumar, Suryansh Pandey, and Tanu Prasad

497	A Smart Control for Multi-Functional 3P4W Grid Interfaced PV-BES System, Rajesh Poola, Sumit Ghatak Choudhuri, and Dr. R N Patel
520	Enhancing The Frequency Deviation in MPS Utilizing Demand Response Techniques for Irregularity Between Sources and Load. Prabhat Kumar
	Vidyarthi, Ashiwani Kumar, and Ravi Shankar
528	A Multi-Objective Approach for Energy Management of Data Center Microgrid Considering Carbon Emission and Operational Cost, Rahul
	Khajuria, Ravita Lamba, and Rajesh Kumar
542	Validation of a Novel Hybrid On-Board Charging System for Light Electric Vehicles in Hilly Terrain; Shyamantak R Barman, Anish Ahmad, and Asim
342	Datta
289	Secondary side control of Multi-vehicle Inductive charger by using a Semi-Active Bridge Rectifier for Constant Power; Bibek Kumar and Avik
209	Bhattacharya
893	Dynamic power sharing between charging guns in off-board chargers; Nagesh Kumar Kamma, Shivani Shrikhande, Gautam Kumar, Eswara Rao
906	Accurate Modeling Approach of Litz-Wire based Planar DD Spiral Coils for WPT Applications; Avanish Pandey, Suvendu Samanta, and Amarendra
900	Edpuganti
910	Review and Comparison of Modulation Schemes for Inductive Power Transfer Systems; Rakesh Pulletikurthi and Deepak Ronanki
020	An Optimized Hexagonal Geometry Magnetic Coupler for Floor-Mounted Electric Vehicles Wireless Charging System; Bharatiraja C, Nakkeeran R,
930	and Mahesh Aganti
560	A Novel Signal Processing and Deep learning Approach for Fault Diagnosis in Grid integrated AC microgrid, Nityananda Giri, Ranjan Kumar
	Mallick, Prayati K Nayak, Sairam Mishra, Debadatta Amaresh Gadanayak, and Anasuya Roy Choudhury

	Poster Presentation
TT1- TT7	20-12-2024, 10:30-11:00 am (Sanjeet Kumar Dwivedi Danfoss, Arun Dominic) Venue: LHC-C, Ground Floor
Paper ID	Paper Details (Title & Authors)
181	Coded Power Transfer for Power Electronic Converter System, Visuno Naleo, Hitesh Malviya, Anandh N, and Chandan Kumar
265	A Novel Five-Level Double Boost Inverter with Reduced Spike Current, Gudipati Maheswari, K Manjunatha Sharma, and Prajof P
419	Common-Mode Voltage Mitigation in 3-Phase 3-Level VSI with DC-bus Midpoint switching, S S Phaniram Musti, and Ravikumar Bhimasingu
493	Switch Fault Diagnosis in Single Switch DC-DC Converters, Vaishali Chapparya, Anubrata Dey, P Singh, Jose Rodriguez, and Cristian Garcia
523	Diamond(m-switch) converter topology for four-phase switched reluctance motor(SRM) drives, Sagar Gupta and Amit Kumar Jain
555	High Step-Down Gain Bridgeless Cuk PFC Converter for Battery Charging Applications, Balaram Jena and Sumit GhatakChoudhuri
566	Modelling of Coupled Inductor-Based Single Input Triple Output Boost Converter, Paban Bujor Barua and Shabari Nath
797	Robust PID Controller for DC-DC Boost Converter Feeding CPL, Chandrasekhar Azad Narlapati, Jeyasenthil Ramamurthy, Tarakanath Kobaku, and Vivek Agarwal
802	A Non-Isolated Multiport Converter with Wide Input Voltage Range to Enhance Ultracapacitor Utilization for Electrified Vehicles, Siddheswar Sen,
002	Pratim Bhattacharyya, Santu Kumar Giri, Subrata Banerjee, and Hanumath Prasad Ikkurti
861	Coupled Inductor Based Regenerative Cascaded Multicell Converter for Drives with Reduced Transformer VA Rating and DC-link Capacitor, Satyam Jha and Shambhu Sau
267	An Effective Fault Detection Technique for Grid Connected Electric Vehicle Charging Station, Md Sajid Alam, Javeed Bashir, Mir Uzair Kanth, and Premalata Jena
411	A Data-Driven Deep Learning-based Prognostication for Power Grid Stability, Abhishek Saxena, Prashant Kumar, Kalpana Beura
415	A Versatile Reinforced Inverter Station Control Strategy for Hybrid HVDC-based Offshore DFIG Wind Farm, Rashmi Ranjan Patra and Asha Rani M. A.
598	Harmonic Profile of Various Loads used in Distribution System of Qatar Utility, Abdulkarim Chemidi, Shirazul Islam, and Dr. Farhad Ilahi Bakhsh
	Improved Active Frequency Drift Islanding Detection Method for Grid-Tied Distributed Energy Resources; Vijay Mohale, Rajkumar Chougale,
363	Praveenkumar A Patel, and Vilas Bugade
182	Model Reference Adaptive System Based on Ultra-Local Model for Induction Motor Drives. Md Asif Hussain, Ananda Shankar Hati, and Vinod Khadkikar
226	Development of Multi-Pulse Rectifier System Based on Multi-phase Conversion and Phase Displacement Technique for Medium Voltage Motor Drive; Rohit Kumar and Bhim Singh
309	Investigation of the Impact of Holes on the Performance of Multilayer Interior Permanent Magnet Synchronous Machines, Abhishek Shukla and Saptarshi Basak
372	Enhancing Drive Performance using Mixed-Order Flux Observer driven Sensorless Control of PMSM, Alok Ranjan and Vijaya Bhaskar Devara
642	Design and Analysis of Linear Electromagnetic Actuator for Automobile Active Suspension System, Don Vinit XV, Sai Krishna Mulpuri, and Praveen Kumar
857	Realization of Machine Learning Algorithms for Diagnosing Winding Faults in Induction Motors, Abitha Memala W, Mercy Paul Selvan, Mohan Ram S, Brindavan T.V, and Raja Singh R
45	MTPA Control of Interior PMSM and BLDC Motor using FE and MATLAB Co-simulation, Akriti Sonkar, Sashidhar Sampathirao, and Bidyadhar Subudhi
201	Finite Element-Based Inter-turn Fault Analysis in Closed Loop Induction Motor Drive Using Machine Learning, Praveen Kumar N
37	Modelling of Cross-Saturation in a PMa-SyRM using Polynomial Reduction Method, Saipriya Chelluboyina and Sashidhar Sampathirao
57	Enhanced Direct Torque Control Strategies for In-Wheel Switched Reluctance Motors: Evaluating Sector and Voltage Vector Selection Techniques, Deepak M and Bharatiraja C
646	Load Matching in Single-Stage Constant Power Series-Parallel Compensated Inductive Charging with High Voltage Gain, Rohan Sandeep Burye and Sheron Figarado
667	Comprehensive Analysis of Thermal Effects on PMSM Drive Control in Small Commercial Vehicles, Alok Ranjan, Vijaya Bhaskar Devara, Prashant Kumar, and Utkal Ranjan Muduli
674	FPGA Based Improved State-of-Charge Estimation Using Modified Coulomb Counting method for Lithium-Ion Battery, Sourabh Das, Susovon
ļ	Samanta, and Supratim Gupta
722	Advanced Control and Modeling for Enhanced BLDC Motor Efficiency and Performance, Amitesh Prakash, Vijaya Bhaskar Devara, Alok Ranjan Prashant Kumar, and Utkal Ranjan Muduli
749	Enhancing Efficiency in Dual-Motor Four-Wheel Drive Electric Vehicles via Power Sharing Optimisation, Amit kumar, Ranjan Kumar Behera
835	MRAS and α'β'- framed SVPWM based modified FS-MPC for PMSM Drive Powered by Five-Level TF-type Inverter for EV Applications, <i>Priyankar</i>
	Roy, Haricharan Nannam, Pothuraju Ramakrishna, and A Bandyopadhyay ISTE and IST2F Pased PID Control for Evaguanay Control of Shiphoard Microgrid, Akanksha V Waghmara, Vinay, Pratan Singh, Akhilosh Mathur
581	ISTE and IST2E Based PID Control for Frequency Control of Shipboard Microgrid, Akanksha V Waghmare, Vinay Pratap Singh, Akhilesh Mathur, Subho Paul, and Krishna Murari
	Adaptive Neuro-Fuzzy Inference-Based Control of Parallel Connected DC-DC Converters for DC Microgrid Application, Musharraf Ali Haider Ali
609	Saddriwala, Mohd Alam, Narayana Murthy Malladi
615	Modelling and Identification of Lithium-Ion Battery Using Relay Feedback Response, Saurabh Pandey, Bheemaiah Chikondra, and Vijay Kumar Singh

619	A Modified HVAC Wind Energy Collection System Without Offshore Substation, Sakshi Singh, Dheeman Chatterjee, and Tanmoy Bhattacharya
640	Data-Driven Performance Degradation Prediction of PEM Fuel Cell using Bi-GRU, Janvi Sharma, Rahul Khajuria, Ravita Lamba, Rajesh Kumar, and
	Surender Hans
641	Inertia Synthesis for AHO Controlled Converters in Smart Transformer Based Distribution Systems, Sahil Gaurav and Chandan Kumar
643	Frequency Response Assessment of Inverter Dominated Power System under Grid Abnormalities, Komal Singh, Abhishek Dilipbhai Tank, Rabindra
043	Mohanty, Avanish Tripathi, and Ashu Verma
	A Practical Approach for Estimating State of Health of Li-Ion Batteries in Electric Vehicles, Prashant K Aher, Taufiq Ansar Patel, S.L. Patil, Abhishek
663	Mandhana, and Rhugved Rane
790	A Regenerative Weak-Grid Emulator for Distributed Generation Test Benches; Aravind G, Divyanshu Bansal, and L. Umanand
458	Voltage Stabilization of a SEIG-based micro-hydro System using Static Synchronous Series Compensator; Swagat Pati, Amar Bijaya Nanda, Binod
	Sahu, Abhijeet Choudhury, and Subinay Das
978	Predictive Phase-Shift Control of Interleaved Quadratic Buck Converter as the Power Supply of the Electrolyzer in Green Hydrogen Technology; S.
	Alireza Davari, Freddy Flores, Mahdi S. Mousavi, Shirin Azadi, Samir Kouro, Cristian Garcia, and Jose Rodriguez
677	Machine Learning Based State of Charge Estimation and Real-Time Battery Monitoring System, Sourabh Das, Shirsaa Mishra, Uttam Raghab, and
	Susovon Samanta
683	Parameter Estimation and Optimal Charging Discharging Pattern for Supercapacitor, Subash M, and Selvajyothi K

	Poster Presentation
TT1- TT7	20-12-2024, 3:00-3:30 pm (Bharthi Raj SRM, Janani T) Venue: LHC-C, Ground Floor
Paper ID	Paper Details (Title & Authors)
31	An Improved Soft Switched SEPIC Topology for High Gain Static Power Supply, Tapas Halder
	A Novel Sampling Mechanism for a Digital Average Current-Mode Controlled Buck Converter Under Leading-Edge Modulation, Snehamoy Patra
113	and Amit Kumar Singha
831	Seamless Mode Transition of a VSI in a 3-Phase Standalone Microgrid, Sounavo Ghosh and Parthasarathi Sensarma
244	A Quadruple Boost Nine Level Inverter Performance in Power Conversion, Biswajit Sarangi, Sukhdev Singh Neti, and Varsha Singh
262	Fixed Frequency-Based Oscillation Mitigation Technique for Solid State Circuit Breaker in DC Microgrid Applications, Salai Thavakkodi S V, Senthil
	Kumar Subramaniam, and Aravind C K
274	Amplitude Error Based Frequency Deviation Detection for Grid Voltage Parameters Tracking, Chandrasekaran S and Sandeep Negi
283	Implementation of a Novel Nine-Level Quadruple Boosting Inverter, Gudipati Maheswari, K Manjunatha Sharma, and Prajof P
300	Third harmonic injection with carrier-reassignment PWM for a nine-level grid connected CHB inverter, Little Pradhan and Abhijit Kshirsagar
371	Adaptive Model Predictive Control of Dual Output Three-Level Inverter, Rangoli Singh, Dhawal Dwivedi, Sandip Ghosh, and Chinmaya K A
404	OPTIMAL DESIGN AND PERFORMANCE ANALYSIS OF MODEL PREDICTIVE CONTROL FOR EV CHARGING APPLICATION, Kaumudi Kumari and Mukhtiar Singh
503	Triple Active Bridge Converter for Solar PV-Assisted EV Charging, Gudelli Shivakumar, Bighnaraj Panda, and Amarendra Edpuganti
570	Power Electronic Implementation of Adjustable Finite Bandwidth Constant Power Loads, Arnab Dey, Utsab Kundu, and Vinod John
623	A Multiport Converter as an Onboard Electric Vehicle Charger: Enabling 800V Battery Charging from 400V EVSE, Jay Damodar Pandya, Arun
023	Chandrasekharan Nair, Anilkumar Davu, and Surender Elumalai
748	Single Source Floating Capacitor Fed Multi-Level Open-End Winding Induction Motor Drive with Extended Linear Modulation Range and Minimum Number of Switches, Vasuda K V, Remya K P, and Jaison Mathew
815	Voltage Multiplier Cell Deced Enhanced Quadratic Duck Decet DC DC Conventor with Deduced Switch Convent Street Voltage Voltage Available IOV
813	Voltage Multiplier Cell-Based Enhanced Quadratic Buck-Boost DC-DC Converter with Reduced Switch Current Stress, Kumaravel S and NINU JOY Volt/Var Control of Smart Transformer fed Active Distribution Networks, Arunima Dutta, Sanjib Ganguly, and Chandan Kumar
613	Impact Analysis of EV Charging System on Grid With and Without Solar PV Integrated System, Akash Prakash Ganne, Lalit Kumar Sahu, and
884	Hemachander Allamsetty
	An Enhanced Voltage Support Control strategy with Improved Active Power Deliverability of a DG During Unbalanced Microgrid Faults; Suresh
356	Maganti, Naveen Yalla, Jayaram Nakka, Ali Hussain Almarzooqi, Sajan K Sadanandan, and Tareg Ghaoud
272	Performance of Distributed OPF Algorithm with ZIP Loads and Different PV Inverter Modes; Subho Paul
115	Closed Loop Control of Induction Motor Operated with Hybrid PWM(SVM+SOPWM) at Low Switching Frequency for Traction Applications;
- 113	Gudaru Venkaiah Katuri and Amit Kumar Jain
280	Vulnerability Analysis of Torque Controlled PMSM Drives against Sophisticated Data Integrity Attacks, Chandni Asok, Easwar Veeragandham,
	Deepak Ronanki, and Apparao Dekka
360	Sliding Mode Observer based Predictive Torque Control of PMa-SynRM, Bharath Kasoju and V Praveenkumar Kunisetti
863	Peer-to-Peer Energy Trading among Electricity-Hydrogen DC Microgrids; Avirup Maulik, Alok Kumar, and Chinmaya K A Robust Sliding Mode Observer based Speed Sensorless Control of FPIM for Wide range of Speed Operation, Seshadri Bhusan Sahoo and Ranjan
745	Kumar Behera
838	Fractional Order Relaxation Model for Supercapacitors, Geethi Krishnan and Vivek Agarwal
689	Sliding Mode Current Control in Multiple Batteries based DC Microgrid, Rohan Lalwani, Barjeev Tyagi, and Vishal Kumar
690	Enhanced Grid Stability using Virtual Inertia Control Strategy for DC Microgrids, Suryakant Kumar, Gauri Shankar, Lakshmi Srinivas Vedantham and Prashant Kumar
712	An Islanding Identification Strategy based on Disturbance Injection and Wavelet Transform, Suman Murugesan and Senthil Kumar M
	Pre-Processing Measurement Data for Computing Internal DC Resistance with Anomaly Detection Techniques, Shaurya Pandey, Sarbani Mandal,
716	Bikash Sah, Sai Krishna Mulpuri, and Praveen Kumar
720	Performance Evaluation of Charging Techniques for Lithium-Ion Batteries, Sanjeev S Raja, Harish Karneddi, and Deepak Ronanki
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761	An Improved Maximum Power Point Tracking of PV Source using Parametric Estimation, Seelam Poornima, Kotapati Anuradha, Shiva Prasad, and
	Vamshi Krishna Bandaru
764	A Novel Passive Islanding Detection Strategy for DC Microgrid, Suman Murugesan and Sweety Yadav Porformance Characteristics Accessment of Dwal Poten Single Staten Five Phase Surface Inset PMSC for Hydroelectric Systems. Paga Pam Kuman
770	Performance Characteristics Assessment of Dual Rotor Single Stator Five-Phase Surface-Inset PMSG for Hydroelectric Systems, Raja Ram Kumar,
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889	An optimal design and control of dynamically re-configurable DC-DC converter for off-board charger applications; Nagesh Kumar Kamma, Srirama Srnivas, Mohana Rao M, And Gautam Kumar
729	Reduced Order Modeling of Higher Order Fuel Cell System for Electric Vehicle Application; Rahila Parveen, P. D. Dewangan, S. L. Sinha, and Vinay Pratap Singh
740	Resilient PMSM Motor Control: Advanced Fault-Tolerant Strategies for Open-Phase Faults; Alok Ranjan and Vijaya Bhaskar Devara
180	Design and Testing of Coordinated Controller for PV Assisted Municipal Solid Waste Fueled EV Charging Station; Perwez Alam and Thanga Raj Chelliah
806	Real Coefficient Assessment with Improved Adaptive Control for Grid-Tied DSTATCOM, Utkal Ranjan Muduli
905	Comparative Analysis of optimal PV Array Reconfiguration under Partial Shaded Condition; Kayalvizhi Selvam, Sujeet Kumar Patel, and Arulraj R
873	Three-Phase Interleaved Bidirectional Resonant Converter for Charging / Discharging Infrastructure, Nishant Kumar, Mayank Kumar

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810	A PV Grid Tied Modified Z-Source Inverter for an Inductive Wireless EV Charging System, Bharatiraja C and Ramanathan G
40	Optimized Design of The CUK Power Converter Topology, Tapas Halder
56	A Novel High-Gain Non-Inverted Voltage-Lift Switched-Capacitor DC-DC Step-Up Converter, Miteshkumar Bharatbhai Patel, Jayaram Nakka, and Gaurav
66	A novel six-switch isolated DC-DC converter with an isolated port providing DC Transformer gain and two non-isolated ports serving reciprocal non-
	inverting buck-boost voltage gain for EV applications, Arkabrata Dattaroy and Avik Bhattacharya
75	Efficient Dual-Input DC-DC Converter Design for Fuel Cell Electric Vehicle Integration, Kalpana Chaudhary and Aman Gope Advanced Modulation Control for Three-Phase Single-Stage DC-AC Conversion with Optimized Filter Reduction, Venkataramanaiah Jammala and
166	Anvi Gajjar
169 223	Full Order Discrete Time Modelling of High Gain Switched Capacitor Converter, Ishita Biswas and Debaprasad Kastha Common-Ground-Type Dual-Source Switched-Capacitor Multilevel Inverter, Deepak Singh and Sandeep N
223	Inductor current feed-forward based Single-loop dq control scheme for Standalone Inverter System, Vaishnavvignesh G Iyer, Cilaveni Satish Chandra,
276	Ravindranath Adda, and Sreenath J G
482	Optimized Dual Phase Shift Control for Dual Active Bridge DC-DC Converter, Pradyumn Chaturvedi, Harish R Bhawane, Saurabh P Kamble, and Aditya S Kulkarni
579	Fault-Tolerant Operation of Hybrid Modular Multilevel Converter for MVDC Applications, Akshaya D Bonde, Pradyumn Chaturvedi, and Vijay Borghate
599	Design of Input and Output Filter Capacitors of a DC-DC Dual Active Bridge Converter With Time-domain Analysis of Voltage Ripple, Prosen Dey, Sayan Paul, and Kaushik Basu
624	Disturbance Observer-based Sliding Mode Control of Boost-Flyback SIDO Converter, Somesh K Thanvi, Aditya R. Gautam, and Hari Om Bansal
632	Comparative Effects of Gate Pulse Shifting on CCM/DCM Boundary Current in CI-SIDO Converters, Angan Sarkar, and Shabari Nath
752	Grid Forming Control of Delta-H Bridge Module Under Unbalanced Condition, Sajay Singh Negi, IbhanChand Rath, and Siba Kumar Patro
830	Extending the ZVS Range of Phase-Shifted Full-Bridge DC-DC Converters with a Variable Inductor, Mohammadreza Adib, Salar Sadeghian, Nazilasadat Talebi, and Prajof P
94	A list of three novel dissimilar voltage multi-input isolated high gain DC-DC converters supplying multiple outputs with widely varying characteristics, Arkabrata Dattaroy and Avik Bhattacharya
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258	A Novel 7-Level Triple-Boost Common-Ground Switched Capacitor Based Inverter, Ajit Kumar Upadhiya, N. Lakshmi Narasamma, and Mahesh K. Mishra
359	Bidirectional DC-DC Dual-Active-Bridge Converter with Symmetric Bipolar Outputs Using Triangular Modulation, Priyatosh Jena, Rajeev Kumar Singh, and V. N Lal
67	A novel three-output port isolated DC-DC converter with four switches providing high gain quadratic non-inverting buck-boost or derived boost characteristics along with continuous input battery current operation, Arkabrata Dattaroy and Avik Bhattacharya
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