2021 IEEE 2nd International Conference on Smart Technologies for Power, Energy and Control (STPEC) #52385

(19th to 22nd December 2021)		
STPEC Paper ID	Paper / Article Title	Author Name
102	AC Side Controller for Grid Connected Hybrid Renewable Energy Sources	Tatikayala Vinay Kumar and Dr Shishir Dixit
106	A Backstepping Integral Sliding Mode Controller Design for Partial Feedback Linearized Models of Synchronous Generators in Simple Power Systems to Improve the Transient Stability	Md Abu Hanif Pramanik, Tushar Kanti Roy, Md. Shamim Anower, Subarto Kumar Ghosh and Md Apel Mahmud
107	A Composite Nonlinear Controller Design to Enhance the Large-Signal Stability of a DC Distribution System with Constant Power Loads	Subarto Kumar Ghosh, Tushar Kanti Roy, Md Abu Hanif Pramanik and Md Apel Mahmud
108	BLDCM Ceiling Fan with Switched Inductor Cuk Converter	Amit Kumar and Bhim Singh
111	Cost Benefit Analysis of EV Charging Scheduling under Stochastic Framework Considering PV and Battery Energy Storage	Arnab Pal, Sourav Das, Ajoy Kumar Chakraborty, Parimal Acharjee and Aniruddha Bhattacharya
113	Performance analysis of modular CHB MLI and conventional three-phase inverter for three-phase Induction motor application	Sathyavani bandela
114	Evolutionary Neural Network based hybrid architecture for strategic bidding in electricity market	Kavita Jain and Akash Saxena
117	Miniaturization of Filter Circuit Using an Inductor and Capacitors Composite Element	Masato Tanaka, Kazuhiro Shimura, Mitsuhide Sato, Tsutomu Mizuno and Takashi Matsuoka
118	Performance Analysis of onboard GaN-based Synchronous Rectifier used in Dynamic Wireless Charging System for Electric Vehicles	Dr. KUNDAN KUMAR
123	A Two-Stage Interleaved Bridgeless PFC based On-Board Charger for 48V EV Applications	G K NAVEEN KUMAR and Dr. Arun Verma
124	Day-Ahead Solar Generation Prediction from Weather Forecasts in the UK Using LSR-Fuzzy-Markov Chain	Mohammad Monfared, Meghdad Fazeli, Richard Lewis and Justin Searle
127	Trip Chain Information Model Based Stochastic Energy Management System for Microgrid	SUMITKUMAR RATHOR and D. Saxena
128	A Fault Direction Estimation Scheme for Transmission Lines based on the Power Frequency Component of the Fault Current	Amin jalilian, Amin Rajabi and Duane Robinson
129	Harmonic Modeling and Performance Analysis of the Basic IPT Topologies under Varying Operating Conditions	Jalaj Kumar and Suvendu Samanta
130	Operation of Hybrid AC-DC Microgrid with Multiple ILCs	Diksha Jain and D. Saxena
131	A Novel Loss-of-Excitation Protection Scheme based on Load Angle Variation of Parallel Synchronous Generators	Ali Rostami, Navid Rezaei, Amin jalilian, Seyed Behzad Naderi and Michael Negnevitsky

134	Stability Analysis and Efficiency Improvement in a Multi- Converter System using Weighted Optimization Technique	Rashmi Patel and R Chudamani
139	Investigation of Power System Stabilizer PSS-3B in a Large Hydro Generating Unit	Barada Nayak, Prabhakaran K K, Thanga Chelliah and Premalata Jena
140	Adaptive Protection Scheme for DC Microgrid to Avoid the False Tripping	Shrawan Kumar, Sarvesh Wakode, Makarand Ballal, Anurag Kanere and Pawan Parackal
141	Full Range Soft-Switching for On-board EV Charger using Multi-classification Algorithm	Manaswi Srivastava, TANU WADHERA and Dr. Arun Verma
142	A Flexible Protection Approach for DC Microgrid Using Wavelet based Machine Learning Technique	Sarvesh Wakode, Shrawan Kumar and Makarand Ballal
143	Decoding the effects of soiling on bifacial gain from latitude mounted bifacial modules	Gautam Raina, Shubham Sharma, Harsh Kumar and Sunanda Sinha
145	Integration of PHP-SPV-BES Based Renewable Energy Sources with Dual Mode Operation	Kripa Tiwari and Bhim Singh
154	Impact on Grid Side Protection in a Power System Network due to Fault Current Contribution of Distributed Generation sources	SURYA VARDHAN, Mohan Khedkar, Ayush Shrivastav, Kamini Shahare, Nitin Kulkarni and Priya Keshker
155	Rethinking Grid Codes from Protection Perspective: A Case Study on Negative Sequence Directional Relay	Suvadipa Sahoo, Pankaj Achlerkar and Manas Jena
157	Coordinated Tuning of AVRs and PSSs for Local and Inter- Area Modes of Oscillation in Eastern Regional Grid of India	Kundan Kumar, ABHINEET PRAKASH, SANJOY KUMAR PARIDA, SAIBAL GHOSH and Chandan Kumar
16	Energy Storage-less Single Phase Photovoltaic Supply System Operating in Grid and Autonomous Modes	Pemendra Pardhi and Shailendra Sharma
160	Incipient Faults Detection in Induction Motor using MLP- NN and RBF-NN-based Fault Classifier	Ujwala Dongare, Bhimrao Umre, Makarand Ballal and Vikas Dongare
161	Privacy Preservation and Classification of Energy Consumption into Theft Using Benign Dataset in Advanced Metering Infrastructure	FARAZ HAIDER and SANJOY KUMAR PARIDA
162	An Opposition Theory inspired BAT Algorithm(OTIBA) for profit maximization of GENCOs in Day-ahead Power Market	Pooja Jain, Akash Saxena and Rajesh Kumar
164	Performance comparison of SI-IGBT and SiC-MOSFET in an inverter application using DPT	Srijeeth J, Mohanrajan .S .R and Vijayakumari A
166	Effect of Demagnetization Fault in SPMSM using Finite Element Analysis	Praveen Kumar N and Aishwarya Vijay
167	INVESTIGATION OF ELECTROMAGNETIC FORCES IN CONVERTER TRANSFORMER	Jayesh Kothavade, Prasanta Kundu
168	A Bidirectional Charger for Light Electric Vehicle Using Coupled-Inductor based High Gain SEPIC Converter	Utsav Sharma and Bhim Singh
169	Bifunctional Grid Assisted Solar PV fed System for Water Pumping and Domestic Load	HINA PARVEEN and Bhim Singh
17	Design and Control of Smart Loads With Battery System	Sourabh jain and Shailendra Sharma

170	Control of SPV-BES-SyRG Wind Based Microgrid	GAURAV MODI and Bhim Singh
171	Optimal Power Scheduling of Hybrid Power System	Prerna Kuntal, Akhilesh Mathur and Mahamad Alam
173	Topological Analysis and Solar Grid-Tied Integration of Level Building Network Based Extendable High Power Multilevel Converter	SHIVAM KUMAR YADAV and Bhim Singh
174	Flux Leakage and Cost Optimized Design of BLDC Motor for Sensorless Solar Powered Water Pumping	ARYADIP SEN and Bhim Singh
177	An Adaptive Control Algorithm for Seamless Mode Shifting Operation in Wind–Solar AC/DC Microgrid	Souvik Das and Bhim Singh
178	Analysis of Synchronverter Control with Virtual Impedance During Grid Voltage Variations	Hariharan R and Mahesh K. Mishra
179	An Improved Synchronverter Control for DERs Under Grid Voltage Variations	Hariharan R and Mahesh K. Mishra
180	Partially Isolated Three-Port Quasi-Switched-Boost Integrated LCL-T Converter for DC Micro-Grids	Praneydeep Rastogi and Ashoka KS Bhat
181	A Bayesian Probabilistic Technique for Multi-Step Ahead Renewable Generation Forecasting	Devinder Kaur, Shama Naz Islam and Apel Mahmud
182	Optimal Load Curtailment to Improve Reliability of Composite Power System with N-1 Contingency	Tanmay Jain and Kusum Verma
183	Optimal Utilization of Electrical Energy of Solar Photovoltaic System Using Internet of Things	D Rajababu and Rajeshwarrao Arabelli
184	Enhancements in Transformer Unit Protection using IEEE C57.109 withstand capability curves	Venkatesh Rokkam, Emmoji Vundekari and Chakravarthy Medisetty
185	A Bidirectional On-Board Charging System for LEVs	Jitendra Gupta and Bhim Singh
186	A Switched Reluctance Generator Based WEGS and a Bidirectional DC-DC Converter Interfaced BES Microgrid with Uninterrupted Power	Vivek Narayanan and Bhim Singh
189	Allocation of Active Power Filter in Distribution Network Considering Nonlinear Loads	Rupali Brahmachary, Aniruddha Bhattacharya and Irfan Ahmed
192	Neural-Network-Based Wide-Area-Damping Controller for Static Var Compensator	FAISAL JAMSHEED and Sheikh Javed Iqbal
194	Optimal μPMU Placement in Distribution Network Using Binary Carnivorous Plant Algorithm	MANAS MUKHERJEE and Biman Kumar Saha Roy
196	Design and analysis of Frequency modulated DAB- MSPRC for V2G and G2V Applications	Merlin Mary N J , Dr. Shelas Sathyan and Hiralal Suryawanshi
197	Performance Enhancement of Induction Motor Drive by Modified Interleaved Inverter Configuration with Gradual Pole Changing Technique in EV Applications	S V S Phani Kumar Ch, Venu Sonti and Dr. Sachin Jain
198	A Hybrid MPPT Algorithm for Solar PV Water Pumping Systems	Dr. Sachin Jain, S V S Phani Kumar Ch, Aditya Keskar, Dr. Jeremiah Johnson, Dr. Subhojit Ghosh and Dr. R Patel
199	Impact of Emerging Multi-pulse and Multi-Level Converters on Medium Voltage Induction Motor Drive	Rohit Kumar, Bhim Singh and Piyush Kant
201	A Novel Transformer-Less Topology of Multiple Input DC- DC Converter with Less Component Count for Photovoltaic Applications.	C.H.Kamesh Rao, R.N. Patel, Lalit Kumar Sahu and Krishna Kumar Gupta

202	Control of voltage source converter using Fractional order methodology	Vinay Kumar Singh, Yogesh Vijay Hote and Narayana Prasad Padhy
203	Adaptive Energy Shaping Control of Buck Converter feeding CPL in DC Micro-Grid System	Bhim Singh, Munesh Kumar Singh
204	A Novel Methodology to Validate and Evaluate Combined Cyber Attacks in Automated Power Systems Using Real Time Digital Simulation	Shahbaz Hussain, S.M. Suhail Hussain, Atif Iqbal, Stefano Zanero and Enrico Ragaini
205	A Novel Dual Synchronous Reference Frame Phase Locked Loop for Rapid Detection of Grid Variables	Surya chandra Gulipalli, Mohanraj Subramani, Srinivas Gude and Chia-Chi Chu
206	High Gain Switched Inductor-Capacitor Split Source Inverter	Remya K P, Dr Jaison Mathew and Nandana V S
207	AGI-FLL Control for Pico-Hydro Based Microgrid with Seamless Connection to Utility/DG Set	Rohini Sharma and Bhim Singh
209	Generation Cost Optimization of an Islanded Microgrid System with Distributed Generators and Renewable Energy Sources	Duy Huynh, Loc Ho and Matthew Dunnigan
21	Dual Mode Operation of PV-BES Based Microgrid with Seamless Transition Capability	PAVITRA SHUKL and Bhim Singh
210	Fault Location on Series-Compensated Transmission Lines of a Power System	Duy Huynh, Thanh Truong and Matthew Dunnigan
211	Single Phase Power Quality Improved EV Charger using Zeta Function based Converter	Nikhil Bhati and UJJWAL KALLA
212	A Single Phase - Single Stage Improved Power Quality EV Charger for Small and Medium Power Application	Nikhil Bhati and UJJWAL KALLA
213	All-Electric Marine Power System Along With The Propulsion Regeneration Control	Nikhil Bhati and UJJWAL KALLA
214	A Filterless DC Chopper Fed PFC PMBLDCM Drive System	UJJWAL KALLA, Sangharsh Meshram, Giri Babu and Nikhil Bhati
215	An HG-SEPIC Converter Fed PMBLDC Motor Drive System	UJJWAL KALLA, Sangharsh Meshram, Giri Babu and Nikhil Bhati
216	An Approach for Electric Vehicle Range Enhancement using Solar PV and Regenerative Braking Operation	UJJWAL KALLA, SHIV PRATAP RAJAWAT, Sanjeev Singh Chauhan and Nikhil Bhati
217	Solar PV fed Battery Powered PMBLDCM driven Water Pumping system using Cuk Converter	UJJWAL KALLA, SHIV PRATAP RAJAWAT, Sanjeev Singh and Nikhil Bhati
218	A High-Gain Single-Switch DC-DC Converter Based Speed Control Of PMBLDCM Drive For EV Applications	UJJWAL KALLA, SHIV PRATAP RAJAWAT, Sanjeev Singh Chauhan and Nikhil Bhati
219	A Scheme for Voltage Regulation and Power Balance in Single Phase Asynchronous Generator based Wind Energy Systems	PRAVEEN KUMAR and UJJWAL KALLA
220	Digital controller for reactive power compensation and harmonic current mitigation in single phase Self Excited Asynchronous Generator	PRAVEEN KUMAR and UJJWAL KALLA
221	Probabilistic Reactive Power Reserve Assessment In The Presence of Load And Wind Uncertainties Considering Correlation	Shaik Mahmmadsufiyan and Dattatraya N Gaonkar

224	Efficient Solar Water Pumping System With Adaptive Step Size Maximum Power-Point Tracking And BLDC Motor Control	Nitish Verma and Dr. Arun Verma
227	PV-Battery fed Two-Stage Non-isolated Buck-Boost Converter for Low-voltage DC-Microgrid	Yugal Kishor and Dr. R.N. Patel
228	A Generalized Technique to Eliminate DC Bias Imbalance in Primary and Secondary Currents of HF Transformer during Power Reference Mutation Event	Saran Chaurasiya and Bhim Singh
229	Comparative Performance Analysis of Single-Phase Grid- Connected Converters	Anup Kumar, Mohan Aware, B. S. Umre and Manoj Waghmare
23	IHO-FLL Control for Seamless Transfer Between Operational Modes of AC Microgrid With DG Set as Emergency Power Supply	farheen chishti and Bhim Singh
230	A Modified Non-bridged Cuk Converter based Electric Vehicle Charger with Reduced Components Count	Tanmay Shukla and UJJWAL KALLA
231	Three-load Cyclic Controlled Single-Stage AC-AC Resonant Converter for Induction Cooking Applications	Srinivas Khatroth and Dr. S P Selvi and Vishwanathan N
232	A Single-Stage positive Cuk Converter based Charging System for Light Electric Vehicle Applications	Tanmay Shukla and UJJWAL KALLA
234	Design and Simulation of Efficient Power Converters for Vehicle to Grid Applications	Laith Kanaan
235	Performance Assessment of SiC Switch based DC-DC Boost Converters For Solar PV Applications	UJJWAL KALLA and Kusum Lata Agarwal
237	Analysis of Output Power Variation in Dynamic Wireless Charging System for Electric Vehicle	KUNDAN KUMAR, KANTIPUDI V V S R CHOWDARY, VIMA MALI and Rajaram Kumar
24	Stochastic load flow method for contingency analysis of power systems	Neeraj Gupta
240	Hybrid operational approach for PV/DG microgrid without storage device	Prashant Malik, Mamta Awasthi, kishan Aggrawal and Sunanda Sinha
241	An Improved MPPT for Partially Shaded PV System by Coalescing INC with PSO Algorithms	Dr. Ramulu Chintam, Dr Ramsha Karampuri and Sourav Kumar Saha
242	A Dual Step Steady Output Perturb and Observe (DSSO- P&O) Algorithm Based Maximum Power Point Tracking of Solar Photovoltaic System	Dr. Ramulu Chinthamalla, Harish Sidda Geetha, Dileep Krishna Mathi and Dr Ramsha Karampuri
244	A Three-Phase PV-Grid-Interfaced SRM Irrigation Pump with a Voltage Balancer Circuit	Amarnath Yalavarthi and Bhim Singh
248	Real-Time Digital Twin of Residential Energy Storage System for Cyber-Security Study	Amardeep Shitole, Nandha Kumar Kandasamy, Lin Shen Liew, Lewin Sim and Anh Khoa Bui
252	An Improved ISEIRD Model for COVID-19 Trend Simulations	Keshav Joshi and Yamuna Shukla
254	Implementation of Goertzel Algorithm for low cost Synchrophasor Design	Atul Singh and SANJOY KUMAR PARIDA
255	A Time-Frequency Transform based Fault Detection and Classification Methodology for Transmission Lines	Aditya Ghatak and DHARAVATH KISHAN
256	Grid Integrated Multiple PV Microgrid for Residential Community with Improve Power Quality	Yashi Singh, Bhim Singh and Sukumar Mishra

258	Analysis of Kinematics of Robotic Arm used for Robotic Assisted Surgery	Ankit Yadav and Pankaj Swarnkar
259	Preemptive Identification of End-of-Life for Stationary Battery Systems	Nandha Kumar Kandasamy, NurulJannah Binte Mohamed, Hao Jiang, Chew Beng Soh, Donny Cheng Lock Soh, Feng Wei, Sivaneasan Balakrishnan and KunaTak Tan
260	BMS Based Grid Forming Converter and PV Array with DFIG Synchronization Technique	Sudip Bhattacharyya and Bhim Singh
261	Analysis of Considering Dynamic Cross Saturation in Mathematical Model of a Symmetrical Six-Phase Self- Excited Induction Generator	MOHD RIZWAN KHAN, Mohd. Faisal Khan and MOHD SARTAJ
262	Standalone Pico-Hydro Battery Integrated Universal Power Active Filter for PQ Improvement	SANJENBAM CHANDRAKALA DEVI, Priyank Shah and Bhim Singh
263	Fundamental Frequency Modulated Multipulse Voltage Source Converter for Solar PV Plant	subir karmakar
264	SPV-SHEC-BES Based Charging Infrastructure	Shalvi Tyagi and Bhim Singh
265	Design of a DSP-based Control Platform for Real-Time Simulation of Power Electronic Systems	Aruni J, Jose Titus and Kamalesh Hatua
266	Integrated Power Converter with G2V and V2G capabilities for 4-Phase SRM Drive Based EV Application	Vaibhav Shah and Saifullah Payami
271	DC-DC Converter For Unidirectional Battery Charging From Multiple Power Sources	Sayandev Ghosh and Bhim Singh
275	Controlled Power Flow PV-BES System with Power Quality Improvement at Weak Grid by Generalized Integrator Based Filtering	Syed Bilal Qaiser Naqvi and Bhim Singh
277	A Reduced Switch Count 7-Level Boost ANPC Inverter Topology for Photovoltaic Application	SWAPAN BAKSI and DR.RANJAN KUMAR BEHERA
280	A Novel In-Loop Filtered Dual Synchronous Reference Frame Phase Locked Loop Under Practical Grid Conditions	Surya chandra Gulipalli, Srinivas Gude and Chia-Chi Chu
281	Flux-linkage Characterization and Rotor Position Estimation of Switched Reluctance Motor using Bezier Curves	Chetan Matwankar, Sumit Pramanick and Bhim Singh
283	A Game Theoretic Approach for Profit Allocation Considering DG And FACTS Devices	DIVYA RASHMI
284	An Efficient Capacitor-split Based Active Power Decoupling for a Bridgeless Dual-Boost PFC Converter With Ripple-Free Output Voltage	G K NAVEEN KUMAR and Dr. Arun Verma
286	Power System Dynamic State Estimation for Unknown and Non-stationary Measurement Noise Statistics	SAYANTAN CHATTERJEE, ARINDAM CHOWDHURY, Aritro Dey and SIDDHARTHA SANKAR THAKUR
287	A study on the performance characteristics of light emitting diodes from reliability prospective	Lokesh J, Savitha G Kini, Mahesha M G and Anjan N Padmasali

289	Development of Voltage Space Vector Based Switching Scheme for Dual Inverter fed BLDC Motor Drives with Open-end Stator Windings	RAJEEVAN P P and HARIKRISHNA U
291	20-Sided Polygonal Voltage Space Vector Structure Based Switching Scheme for Five-Phase Induction Motor Drives	RAJEEVAN P P and Tanvi Gudapati
293	Hybrid Modular Multilevel Converter based on Si and SiC Devices with Level Multiplier Circuit	Akhil Shende, Siba Patro and Madhuri Chaudhari
294	Fault Tolerant Si-SiC based Hybrid Modular Multilevel Converter with Enhanced Efficiency	Akhil Shende, Aditya Gupta, Siba Kumar Patro and Madhuri Chaudhari
295	Event-Trigger Super-Twisting Sliding Mode Control of Bidirectional DC-DC Converter for Low Voltage DC Nanogrid	Anmol Saxena, Venu Sonti and Munesh T
296	Design and Power Management of Low Voltage DC Nanogrid for Solar PV/Fuel Cell fed Residential Complexes	Anmol Saxena, Munesh T, Venu Sonti and Pradyumn Chaturvedi
297	Five-Level Transistor clamped H-Bridge Multi-Level Inverter(TCHB-MLI) Based Electric Spring for Smart- Grid Applications	B V S Raghava , Rajshree Satputaley, Surya Teja Kondapalli and singamasetty manmadha rao
299	An Enhanced Universal Droop Control for Load Sharing in AC Microgrid for Different Load Condition	GOVIND DEVASUTH, Hiralal Suryawanshi, Pratik Nachankar, L. Narayana Ch and Ankit Singhal
30	Sliding Mode Current Control Strategy for Nine-Switch Converter	Ozan Gulbudak, Mustafa Gokdag and Hasan Komurcugil
300	Detecting Weak Areas in a Real-time Power System on a Static Load Model using Standard Line Voltage Stability Indices	RAJU CHINTAKINDI and Arghya Mitra
301	Position and Speed Estimation of Syn-Rel Motor Drive Employing Sliding Mode Observer for Solar Assisted Electric Vehicle	Saurabh Mishra, ANSHUL VARSHNEY and Bhim Singh
302	Unidirectional Fault Tolerant Series Resonant Converter	Piyush Gajbhiye
303	Harmonics mitigation of 9-level Transistor Clamped H- Bridge inverter(TCHB) by using ONLM	B V S Raghava, Rajshree Satputaley and singamasetty manmadha rao
304	A Review on Strategies to Control Frequency Variation in Deviation Settlement Mechanism	SRIKANT SABBANWAR
31	Predictive Current Control Method with State Observer for Grid-Connected Inverter Equipped with LCL-Filter	Ozan Gulbudak and MUSTAFA GOKDAG
33	Comparative Study Between MATLAB and Scilab to Analyse Linear Piecewise Smooth Dynamical Systems	Gumma Shankar Mani, RAJANIKANT METRI and Bhooshan Rajpathak
36	Electromagnetic Analysis of a Large Hydrogenerator during Symmetrical Grid Fault in a Power System Network	Aakriti Gupta, K. K. Prabhakaran and Thanga Chelliah
39	Feasibility analysis of Floating Solar Photovoltaic Plant at Srisailam in Andhra Pradesh: India	Gangavarapu Mamatha and PRAKASH KULKARNI

50	Vehicle to Grid (V2G): Booster for EV adaptation in India	Ishwari Tank, Vignesh S, Yogesh Krishan Bhateshvar and Kamal Vora
52	Fast Gaussian Pyramid based Recovery with Collaborative Sparsity for Image Compressive Sensing	Abhishek Jain, Preety Swami and Ashutosh Datar
53	A Novel Directional Comparison Bus Protection Scheme based on Fault Current Superimposed Component	Amin jalilian, Duane Robinson and Amin Rajabi
57	Bandwidth and On-time Jitter Improvement in a Peak Current-Mode Buck Converter	Yuechuan Yu
59	Economic assessment of grid-connected hybrid energy system using differential evolution	Deeksha Rajoria
6	Performance of Solar Water Pump based on High Gain Zeta Converter and Battery Storage System	Teena Jacob, Peter Abraham and Jose Titus
60	Detection of Cyber Attacks on Railway Autotransformer Traction Power Systems	Shantanu Chakrabarty and Biplab Sikdar
62	Design and Development of Cost-Effective Solar PV Based DC Microgrid for Rural Applications	Snehal Gawande, Nischal Battulwar, Ankit Raut, Praveen Meshram, Pradyumn Chaturvedi and Punit Fulzele
64	Distributed Optimal Consensus-Based SecondaryFrequency and Voltage Control of Isolated ACMicrogrids	Shih-wen Lin and Chia-Chi Chu
65	Control of PV-BES Fed Sensorless PMSM Driven Water Pump With BES Deep Discharge Protection	Mohd Kashif and Bhim Singh
67	An Improved Compensation Technique using DVR for Power Quality Improvement in Distribution Power System	Mohanraj Bellie Subramani,Surya Chandra Gulipalli,Chia-Chi Chu
68	A New Robust Static State Estimation Scheme for Power Systems Using Complex PMU Measurements	Kunal Kumar, Shubhrajyoti Kundu, Mehebub Alam, Biman Kumar Saha Roy and SIDDHARTHA SANKAR THAKUR
71	Comparison of Deadzone and Vanderpol Oscillator Controlled Voltage Source Inverters in Islanded Microgrid	VIKASH GURUGUBELLI, ARNAB GHOSH and Anup Kumar Panda
8	Comparison of two configurations of Line Start PM Motors for e-Vehicles	Ankita Dwivedi, RITU SHARMA and Raja Ram Kumar
81	Fulfillment of CIGRE WG 36-05, EN 50160 by Applying SHM-PAM Scheme Using 7-level CHB Multilevel Inverter	Sourabh Kundu, Samudra Panda and Subrata Banerjee
82	Automated PAR for Additional Photosynthesis in PV Based Protective Environment Controlled Farming Systems	Anuradha Tomar
84	Controller Hardware in Loop Simulation (C-HIL) for Grid- Connected Photovoltaic System	SUDHANSHU MAURYA, Suyash Binod, Aayush Srivastava, Abhishek Baluni, Sudipto Poddar and Lini Mathew
87	Plug-in Electric Vehicle's State-of Charge Prediction by Random Forest based Bayesian Optimization for Coordination Strategy in Distribution System Congestion Management	Subhasish Deb, Arup Kumar Goswami, Rahul Lamichane Chetri and Rajesh Roy

88	Modelling of Three Port DC/DC Converter for Electric	Akhilesh Tiwari and swagatika
	Vehicle Charging Station	mishra
0.4	Modelling and Simulation of Home Energy Management	Srinivas Yelisetti, Rajesh Kumar,
94	System with Occupants Comfort	Ravita Lamba and Akash Saxena
97	A Cooperative Irrigation Based PV Water Pumping	Anuradha Tomar
	System with Enhanced PV Utilization	Allulaulia Tolliai
98	LC Input Filter Passive Damping Improvement for	Kaspars Kroics, Jaroslavs
	Traction Drive Application	Zarembo