


Detailed Paper presentation Schedule

Session Time	Online Hall 1	Online Hall 2
Knock the door 	https://zoom.us/j/96579189651	https://zoom.us/j/8246920628
<u>Day 1</u> 27 th November 2020 9.00 a.m. to 10.00 a.m	Keynote 1 (9 a.m. -10 a.m.), 2 (10.00 a.m. -11 a.m.) & Inauguration (11.00 a.m. -12.00 Noon)	
<u>Day 1</u> 27 th November 2020 1.30 p.m. to 3.15 p.m.	Track ID: 1.1 <u>Power Converters 1</u> PID: 03, 32, 50, 113, 131, 158	Track ID: 2.1 <u>Power System</u> PID: 58, 90, 108, 109, 142, 145, 167
<u>Day 1</u> 27 th November 2020 3.15 p.m. to 5 p.m.	Track ID: 1.2 <u>Power Converters 2</u> PID: 47, 48, 51, 106, 119, 157	Track ID: 2.2 <u>Power Quality</u> PID: 56, 57, 61, 71, 86, 116
<u>Day 2</u> 28 th November 2020 9.00 a.m. to 10.00 a.m.	Keynote 3 (9AM-10AM)	
<u>Day 2</u> 28 th November 2020 10.00 a.m. to 11.45 a.m.	Track ID: 1.3 <u>Renewable Energy</u> PID: 102, 107, 139, 151, 164, 168	Track ID: 2.3 <u>Electronics Engg.</u> PID: 40, 46, 96, 112, 126, 127
<u>Day 2</u> 28 th November 2020 1. p.m. to 2.45 p.m.	Track ID: 1.4 <u>Electrical Drives</u> PID: 33, 92, 128, 130, 132, 154	Track ID: 2.4 <u>IOT & Computation</u> PID: 38, 111, 137, 82, 148, 163
<u>Day 2</u> 28 th November 2020 2.45 p.m. to 4.30 p.m.	Track ID: 1.5 <u>Electric Vehicle</u> PID: 24, 34, 43, 45, 133, 152	
<u>Day 2</u> 28 th November 2020 4.30 p.m. to 5.30 p.m.	Valedictory Session	

DETAILED PAPER PRESENTATION SCHEDULE**Track ID 1.1: Power Converters-I****27/11/2020 1.30 PM to 3.15 PM****Venue: Online Hall-1**

Session Co-chair

Dr. Ismayil C

Session Coordinators

Rasna Rajan, Roshini C and Alvin Kuriakose

SI No.	PID	Title	Authors
1	03	Power conditioning of standalone Photo-voltaic system with BLDC motor by Negative-Output Luo Converter	Dheeban S S, Muthu Selvan N B and Umashankar Subramaniam.
2	32	A High Voltage Boost DC-DC Converter Using Voltage Doubler and Switched-Capacitor Technique	Arpan Laha.
3	50	A Modified SEPIC Converter Based Solar Water Pumping System Using SRM Drive	Mufsina A.M. and Shahin M.
4	113	Comparison of DC to DC Converters for PV application using PSIM Model	Nayana J, M Nandakumar and Ramesh Kumar P
5	131	Comparison between Voltage and Current Control methods for Power Factor Correction in Modified Dual Output Cuk Converter-Fed Switched Reluctance Motor Drive	Jaisal Jacob, Monish M and Vinod V
6	158	Design And Analysis Of A High Step-Up Dc-Dc Converter Fed Grid Connected Fuel Cell System	Abhiram J S, Sooraj Sureshkumar, Jayaprakash P and Umashankar Subramaniam

Track ID 1.2: Power Converters-II**27/11/2020 3.15 p.m. to 5 p.m.****Venue: Online Hall-1**

Session Co-chair

Prof. Anjali Anand K.

Session Coordinators

Renuka Varma P C, Athira Anil P and Mohammed Roshan K

SI	PID	Title	Authors
2	47	A Single Phase Cascaded Boost Inverter with Improved Current Shape	Sukanya M, Najiya Nesrin A K and Joseph K D.
3	48	Solar Induction Cooker	Anusree K V and Sukesh A
4	51	Design and Analysis of PV Integrated Multilevel Inverter for Grid Application	Aswini Narayanan, Prof. Beena M Varghese, Prof. Smitha Poullose and Dr. Bos Mathew Jos.
5	106	Non-Isolated DCM/DCD Operated Step-Up Inverter Derived Novel CCM Operated Five Switch Step-Up/Down Inverter.	Salma Abdul Aziz Kormath, Muhammedali Shafeeque K. and Ajmal K.T.
6	119	Control of a Multilevel Inverter based Grid Integration of Solar PV with BESS	Sangeetha V, Nirmal Mukundan C M, Jayaprakash P and Asokan O V
7	157	Modified H-bridge Multilevel Inverter for Grid Integration with Voltage Balancing Circuit	Vineeth K, Nirmal Mukundan C M, Jayaprakash P and Umashankar Subramaniam

Track ID 1.3: Renewable Energy**28/11/2020 10 a.m to 11.45 a.m****Venue: Online Hall-1**

Session Co-chair

Dr. Jayaprakash P.

Session Coordinators

Drishya N, Amal Mohan and Sarannya C

SI N	PID	Title	Authors
1	102	Experimental and Numerical Analysis of the Impact of Placement of PV Panels on the Performance of a Rooftop Plant	Ajay Abraham, Sachu Sebastian, Pinkymol Kp, Ajith Gopi and Deepu Koshy
2	107	Solar Powered Drone Interceptor & Jammer for Smart Cities	Ahmed Dirir, Sirageldin Ahmed, Saifudeen A Kabeer and Rashad Ramzan
3	139	Durer's Square Based Photovoltaic Configuration to Mitigate Partial Shading Losses	Vishnu P Madhanmohan, M Nandakumar and Abdul Saleem
4	151	Power Generation using Rooftop Ventilator and Possible Enhancement's	Sunil K M, Radhika V K, Samrain Fathima C K, Kavya K and Sujith T
5	164	Feasibility Study for Energy Storage Device on PV-Plant with Low Capacity Utilization	Afsher P A and Manoj Kumar M V
6	168	Energy Harvesting Technology Using Dye Sensitized Solar Cell for Low Power Devices	Priya Poullose and Sreejaya P.

Track ID 1.4: Electric Drives			
28/11/2020 1.00 PM to 2.45 PM Venue: Online Hall-1			
Session Co-chair		Dr. M. Rajesh	
Session Coordinators		Sidhartha Dinesh, Amritha Menon and Aiswarya Sunil	
SI No.	PID	Title	Authors
1	33	Investigation on Space Vector Based Hybrid PWM Algorithm for Induction Motor Control	Ann Susan Luke, Indrani Majumdar, Samya Kumar Gupta, Joseph Peter and Sivaprasad Athikkal.
2	92	Commutation Torque Ripple Comparison in Cuk Converter Fed Brushless DC Motor Drives with Mode Switching Selection Circuit	Nithin K S, Vivek R S, Krishna M and Anurenjan Purushothaman
3	128	Twelve Sector Based Direct Power Control of Induction Motor Drives	Athira Poovathody and Rijil Ramchand
4	130	Thermal analysis of squirrel cage Induction Motor	Anoop G L, Mini V P, Harikumar R and Mayadevi N
5	132	Direct Torque Control Based On Inductance Profile For Four phase Switched Reluctance Motor	Nandu Krishnan A M, Monish M and Vivek R S
6	154	Reduced Sensor PMBLDC Motor Drive with Power Factor Correction and Speed Control	Sachin Singh, Shailendra Kumar, Ujjwal Kumar Kalla and Sanjeev Singh

Track ID 1.5: Electric Vehicle			
28/11/2020 2.45 p.m to 4.30 p.m Venue: Online Hall-1			
Session Co-chair		Dr. Sreekumar C	
Session Coordinators		Daliya P, Haritha T K and Muhammed Nishan T	
SI No.	PID	Title	Authors
1	24	Three-Way DC/DC Converter with Tri-Battery Energy Storage for Hybrid Electric Vehicle System	Sachin Narayanan and Rajesh M.
2	34	Grid Adaptive Vehicle Charging Scheme	Aswin S Ravi and Jayakumar P.
3	43	Current Programmed Controlled Dc-Dc Converter for Emulating The Road Load In Six Phase Induction Motor Drive In Electric Vehicle	Swedha S Babu and Sukesh A.
4	45	Switched Dual Input Buckboost Inverter for Continuous Power Operation with Single Stage Conversion	Najiya Nesrin A K, Sukanya M and Joseph K D.
5	133	State of Charge estimation in Lithium-Ion Battery using model based method in conjunction with EKF and UKF	Chandan Pulavarthi, R Kalpana and P. Parthiban
6	152	Energy Demand Modeling and Behavioral Analysis of Electric Vehicle for Grid Management Studies	Polly Thomas

Track ID 2.1: Power System			
27/11/2020 1.30 PM to 3.15 PM Venue: Online Hall-2			
Session Co-chair		Dr. Manoj Kumar M V	
Session Coordinators		Veena V, Anisha A K and Athul KP	
SI No.	PID	Title	Authors
1	58	Optimal Microgrid Battery Scheduling using Simulated Annealing	Aiswariya L, Imthias Ahamed and Sheik Mohammed
2	90	A New Three Port Converter with Power Flow Management Control for Solar PV fed Telecom Load	Sheeja V and Kalpana R
3	108	Transmission Lines Fault Detection Using Empirical Mode Decomposition in a Grid Connected Power System	Binitha Joseph Mampilly and Sheeba V S
4	109	Firefly Algorithm Based Tuning of Integral Controller for Frequency Regulation of Hybrid Two Area Power System with Nonlinearities and Electric Vehicles	Roshin K R and Dr. Bindumol E K
5	142	Optimal design of Power System Stabilizer for damping low frequency oscillations in a Multi-Machine Power System	Shafla Jasmine H and Laly M J
6	145	Realizing Autonomous and Intelligent Smart Grid Using Multi-Agent Based Control System	Sujo Vasu, Rameshkumar P and Jasmin E A
7	167	Load Management and Smart Monitoring For Rooftop PV in Academic Building	Aneesh R, Sivraj P and Sasi K Kottayil

Track ID 2.2: Power Quality			
27/11/2020 3.15 p.m. to 5 p.m.		Venue: Online Hall-2	
Session Co-chair		Dr. Shahin M.	
Session Coordinators		Annet Sheen P M, Sathyajith V P and Shafna M P	
SI No.	PID	Title	Authors
1	56	Single Stage Grid Tied Solar PV System with a High Gain Bi-directional Converter for Battery Management	Naseeha Fareed and Dr. Manoj Kumar M.V.
2	57	Comparison of Control Algorithms of DSTATCOM For Power Quality Improvement	Neha Suresh M P and Manoj Kumar M V
3	61	Solar Photovoltaic System with Power Quality Improvement	Heera P H and Mini V.
4	71	Optimum Torque - Zero d- axis Current Control of Direct Driven PMSG Based Wind Energy Conversion System	Henna Unais, Dr. P Jayaprakash and Teena George
5	86	Comparative Analysis of SRF, PI and AWPI Controllers for Hybrid Standalone Microgrid	Ananya Vasanth V V and Sheeja V
6	116	Comparative Study on Adaptive Control Algorithms for Grid-tie Inverter	Chaithanya S and Anjali Anand K A

Track ID 2.3: Electronics Engineering			
28/11/2020 10 a.m to 11.45 a.m		Venue: Online Hall-2	
Session Co-chair		Dr. Sajesh Kumar U	
Session Coordinators		Archana R Suresh, Aswathi M E and Drishya Ramesh K	
SI No.	PID	Title	Authors
1	40	Unmanned Aerial Vehicle Surveillance using Multiple Inter-symbol Obfuscation scheme	Arjun Krishna K and Paul Thomas.
2	46	Communication Assisted Synchronisation Control in Three-Phase PV integrated Voltage Source Converters	Nirmal S, Sivarajan K.N and Dr. Jasmin E A.
3	96	Implementation of Carry Save Adder Using Novel Eighteen Transistor Hybrid Full Adder	Saina Ancy Simon and Prof. Sujithamol S
4	112	Location Tracking for Blind Swimmers	Aparna Padman, Jisha D. Saiju, Prabitha Prasad, Sheethu Gopal and Hema P.P.
5	126	VLSI Implementation of Image Encryption and Decryption Using Reversible Logic Gates	Geethu Chandran, Dr.Helenmary M C and Anjana G
6	127	Carry select adder based on dual rail error detection and easy testability	Heera Narayanan, Dr.Helen Mary M C and Anjana G

Track ID 2.4: IOT and Computation			
28/11/2020 1.00 PM to 2.45 PM		Venue: Online Hall-2	
Session Co-chair		Dr. Rafeeqe P C	
Session Coordinators		Anagha P and Jaisna V P	
SI No.	PID	Title	Authors
1	38	Robust Video Watermarking Resilient to Inadvertent Attacks	Bushra Abdulla Nt and K. A. Navas.
2	111	Forced-Sleep SVR 9T SRAM for High Frequency Applications	Megha Aby Thomas, Anjana K and Ancy Joy
3	137	IOT Based Load Sensing Seats Controlling Lights and Fans	Ashish L Parmar, Aishani Mukerji and Semanti Chakraborty
4	82	Multi Objective Parameter Optimization of End Milling Operation on AA5083	Shijin M and Dr. Abdul Nazar K P
5	148	Back Propagated Neural Network Model for TTT-TIC Welding Process	Sreekumar I H and Jose M J
6	163	Improved RSSI based Angle Localization using Rotational Object	Debajyoti Biswas, Suvankar Barai and Buddhadeb Sau