

## Registered Papers of IEEE UPCON-2019

S.No.	Paper ID	Authors	Title of Paper
1	4	Akshar Tripathi and Reet Kamal Tiwari	Mapping of deflection caused due to hydrostatic pressure using Differential SAR Interferometry (DInSAR) on Bhakhra dam
2	6	Bindeshwar Singh, S N Singh, Rajesh Kumar and Prabhakar Tiwari	A Comprehensive Review on Enhancement of Voltage Stability by using Different FACTS Controllers Planning in Power Systems
3	13	Suboori Najam, Chandani Dubey and Dr. Brijesh Kumar	Behaviour Analysis of Multilayer and Bulk Heterojunction Organic Solar Cell With Aluminium-Doped Zinc Oxide Anode Layer
4	17	Sauranil Debarshi and Mohd Mansoor Khan	Portable and low-cost LED based Spectrophotometer for the Detection of Nitrite in simulated-Urine
5	19	Khushwant Sehra, Vandana Kumari, Vandana Nath, Mridula Gupta and Manoj Saxena	Comparison of Linearity and Intermodulation Distortion Metrics for T – and Pi – Gate HEMT
6	20	Praveen Kumar Tyagi, Aditya Trivedi and Saumya Bhadauria	Hybrid Beamforming Channel Estimation With Reduced Phase shifter numbers for Massive MIMO
7	21	Anirban Sengupta and Dushmanta Kumar Das	Design of 3-DoF PID Stabilizer Using Whale Optimization Algorithm to Eliminate Low Frequency Oscillation in Power System
8	23	Rajat Singh, Sunil Kumar Maurya and Dr. Saumendra Sarangi	Improved performance of PV module by combining two techniques.
9	25	Sunil Kumar Maurya, Dr. Saumendra Sarangi and Mr. Surayanarayana Gangolu	Secondary controller for PV sources in DC/AC hybrid microgrid
10	27	Shrinjoy Bagchi and Rajkumar Rastogi	An overview of Distribution Automation in TATA Power DDL and it's effective contribution for power sector reform in North and North West Delhi.
11	28	Rahul Ratnakumar, P. Vishnu Chaitanya and S Gurunarayanan	An Energy Efficient Multilevel Reconfigurable parallel Cache Architecture for Embedded Multicore Processors
12	29	Chitragada Roy, Dushmanta Kumar Das and Abhishek Srivastava	Particle Swarm Optimization based Cost Optimization for Demand Side Management in Smart Grid
13	30	Ankur Rai, Dushmanta Kumar Das and M Mhademo Lotha	LabVIEW Platform based Real-time Speed Control of a DC Servo Motor With Fuzzy-PI Controller
14	31	Abul Khair, Marwan Ahmed Abdullah Alasali, Mohd Zuhaib and Mohd Rihan	PMU Assisted State Estimation in Distribution System with PV Penetration
15	34	Madan Pal Singh, Gaurav Kumar Bharti, Jayanta Kumar Rakshit and Uttara Biswas	Design of polarization switch in a single micro-ring resonator and its application to design all-optical logic OR/NOR gates using FDTD
16	44	Kul Ranjan and Sanjay Ojha	Use of Social Media/Microblogging Platform along with GIS for Mapping Disaster
17	46	Aarti Sharma, J. K Rai and R. P Tewari	Detection of Alzheimer's Disease at Mild Cognitive Impairment Stage using EEG Signals
18	49	Vulavakayala Siva and Susovon Samanta	A novel sensorless BLDC motor Drive based on the zero cross point of the product of line voltages

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19	51	Vulavakayala Siva and Susovon Samanta	SENSORLESS BLDC MOTOR DRIVE BASED ON THE LINE VOLTAGE
20	53	Prateek Raj Gautam, Sunil Kumar, Akshay Verma and Arvind Kumar	Localization of Sensor Nodes in WSNs using Three Dimensional Angle of Arrival detection at BS
21	54	Anil Kumar, V K Sethi, Prashant Mishra and Pankaj Kumar Singh	Energy Storage Technologies- An Overview
22	56	Afzal Ahmed Khan and Pratik Bajaria	A Hybrid Topology for Dash Charging of Electric Vehicles
23	62	Md Shamshad Alam, Mohd Hasan and Mohd Muqeem	Ultra-Low Power Clock Generator for Self Powered IoT Sensor nodes
24	66	Anand Pandey and Sheeraz Kirmani	Placement of distributed generator in distribution systems using Crow search algorithm
25	67	Nida Khanam, Badrul Hasan Khan and Tabish Imtiaz	Maximum Power Extraction of Solar PV System using Meta Heuristic MPPT techniques : A Comparative Study
26	68	Ankesh Kumar, Anand Kumar Pandey and Sheeraz Kirmani	DG Placements in Distribution Network using Exhaustive Search approach
27	71	Saba Shahnawaz, Zeba Parveen, Nazia Noor and Omar Farooq	EMD Based Detection of Auditory Evoked Potential P300
28	75	Sunil Kumar, Prateek Raj Gautam, Akshay Verma, Raghunath Verma and Arvind Kumar	Energy Efficient Routing using Sectors Based Energy-Hole Reduction in WSNs
29	76	Subrat Kumar Pradhan and Dushmanta Kumar Das	Development of H-infinity based static state feedback controller for interconnected power system with time-delay using sector bounding actuator saturation approach
30	82	Arvind Kumar Prajapati and Rajendra Prasad	Model Reduction of Multivariable Systems by Using New Hybrid Method
31	87	Ankur Kumar, Vikrant Varshney, Priyanka Singh and Rajendra Kumar Nagaria	A variation and noise tolerant wide fan-in OR-Logic Domino circuit
32	89	Aanchal Garg and Yashvir Singh	Dual Gate Nanoscale SiGe MOSFET for Small Signal High Frequency Applications
33	91	Dipayan Guha, Sudhir Kumar and Gopal Yadav	QJAYA tuned fuzzy-PID controller for voltage control of power system
34	97	Pavan Kumar Singh, Nitin Singh and Richa Negi	Short-Term Price Forecasting With Renewable Integration in Smart Grids Using ARIMA-ANN-ANFIS Hybrid Model
35	98	Mohit Bajaj and Amit Kumar Singh	Power Quality Challenges Associated with Distributed Generation Planning: A Simulation-based Demonstration
36	104	Salman Ahmad, Rahim Uddin and Zahoor Ahmad Ghanie	Close Loop Control of quasi Z-Source Inverter in Grid Connected PV System
37	107	Garima Chandel, Omar Farooq and Yusuf Khan	Patient Specific Seizure Onset-Offset Latency Detection using Long- term EEG Signals
38	108	Ahmad Neyaz Khan, Mingyu Fan, Asad Malik, Mohammed Aslam Husain and Izhar Alam	A Secure Reversible Data Hiding Method in Encrypted Images using Prediction Error Estimation (PEE) Technique

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39	109	Deergha Rao K and Aravinda Babu T	Performance Analysis of QC-LDPC and Polar Codes for eMBB in 5G Systems
40	112	Vikrant Varshney, Ankur Kumar, Avaneesh Kumar Dubey, Priyanka Singh and Rajendra Kumar Nagaria	A High-Speed Energy-Efficient CMOS Dynamic Latch Comparator for Low-Voltage Applications
41	113	Priti Pathare	power factor improvement of bldc motor using boost power factor correction converter
42	116	Shabana Khatoon and Asfar Ali Khan	Influence of Different contaminants with clean steam fog on the Flashover Performance of Porcelain and Polymeric Insulators: An Experimental Study
43	117	Neshwin Rodrigues, Shashank Vyas and Alekhya Datta	Two-Stage Battery Energy Storage System Sizing for Distribution Transformer Overload Management
44	118	Kuheli Dutta, Sudipta Chattopadhyay, Vaishna Biswas and Suman Roy Ghatak	Design of Power Efficient Vedic Multiplier using Adiabatic Logic
45	119	Dinesh Chaurasia, Kalpana Singh and V. Krishna Rao Kandavli	Improved Stability Result of Discrete-time Systems with Saturation Nonlinearities and Time-varying Delay
46	122	Rufyid U Nissa and Shakeb Khan	Linear and Sensitive Detection Electronics for Capacitive Sensors
47	123	Anisha Sengupta, Sudipta Chattopadhyay, Suman Roy Ghatak and Vaishna Biswas	Two-Stage Spectrum Sensing Model for Varying SNR Conditions in Cognitive Radio Network
48	127	Mohammad Mushir Riaz and Badarul Hasan Khan	Economic feasibility study to design a large offshore wind farm near coastal region of Rameshvaram, India
49	129	Richa A, Jayashree R and Tariq Mohd	Vector Control of Modular Multilevel Converter Based Unipolar HVDC System
50	133	Fatima Zaki and Pervez Mustajab	Voltage Mode CNTFET based Fuzzy Min Max Circuits
51	134	Ayesha Sultana, Afroz Alam and Mohammad Zaid	A new model for optimal deployment of remote control switches in a radial distribution system using mixed-integer non-linear programming
52	137	Heena Varshney, Ali Allahloh and Sarfraz Mohammad	IoT Based eHealth Management System Using Arduino and Google Cloud Firestore
53	139	Sumit Tripathi, Sunidhi Batra and Shivam Pandey	Unbiased Mortality Prediction for Unbalanced Data Using Machine Learning
54	140	Dinesh Chaurasia, Kalpana Singh and V. Krishna Rao Kandavli	Wider Feasibility Range of Discrete-time Systems with Structured Saturation Nonlinearities and Time-varying Delay
55	141	Raj Kumar, Ritesh Kumar Jaiswal and Ram Awadh Mishra	Efficient Design for High Speed and Low Area Reverse Converter for Moduli Set $\{2^n, 2^{(2n)-1}, 2^{(2n)+1}\}$
56	142	Sourav Chakraborty, P Arvind and Deepak Kumar	Integrated Solar PV MPPT and V-f Control for Stand-Alone Microgrid

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57	143	Vinod Kumar Verma, Pervez Mustajab and Anwar Sadat	Determination of Adulteration in Milk using Ultrasonic Technique
58	144	Deepti Gola, Dr Balraj Singh and Dr Pramod Kumar Tiwari	Investigation of Thermal Noise in Trigate Junctionless Transistor
59	148	Vipin Kumar Upoadhaya, Puspraj Singh Chauhan and Sanjay Kumar Soni	Effective Capacity Analysis over Generalized $\alpha - \eta - \mu$ fading channels
60	150	M. Ehteshamuddin, Sajad A. Loan and M. Rafat	Insights into the Buried-Metal-Layer Impact on GIDL and ON-State Characteristics in Junctionless Transistor
61	151	Talha Bin Aslam, Abdul Azeem and Syed Javed Arif	Design and Implementation of Low Cost Digital Timetable for Prayers
62	152	Bishwajit Dey and Parama Das	Dynamic economic dispatch of microgrid system using hybrid intelligence techniques
63	153	Hafsa Nigar and Sajad A. Loan	Impact of Gate-Drift Overlap on the Figure of Merits of Dual Buried Gates Power MOSFET
64	155	Rakesh Kumar Singh, Shobha Agarwal and Vimlesh Verma	An Improved Method for Fault Analysis in Asymmetrical High Voltage Direct Current Transmission Lines
65	157	Lalita Mishra, Vikash Vikash and Shirshu Varma	Measurement of Air Quality Index using Internet of Things
66	158	Vikash Vikash, Lalita Mishra and Shirshu Varma	Evaluation of Real-Time Stream Processing for Internet of Things Applications
67	160	Seema Jogad, Neelofer Afzal and Sajad Loan	Sinusoidal Oscillator using 32-nm CNTFET-OTA
68	161	Priyanshu Niranjana, Niraj Kumar Choudhary and R.K. Singh	Performance Analysis of Different Optimization Techniques on Protection Coordination of Overcurrent Relay in Microgrid
69	162	Rubeena Aafreen, Salwa Yasmeen Neyaz, Raaziyah Shamim and M. Salim Beg	An IoT based system for telemetry and control of Greenhouse environment
70	168	Zuhaib Akhtar	From Blockchain to Hashgraph: Distributed Ledger Technologies in the Wild
71	174	Narendra Kumar, Naveen Kumar Navani and Sanjeev Kumar Manhas	Fabrication and Characterization of Carbon Nanotube Microdevices for CO <sub>2</sub> Gas Sensing and Other Applications
72	175	Irfan Alam and Abdul Basit	An extended Protected Secret Sharing scheme
73	177	Anurag Vijay Agrawal and Meenakshi Rawat	Performance Analysis of AFD and LCR in 3-D MIMO Channels for LAP Airborne Communications
74	178	Yogendra Kumar Upadhyaya and Mohd Hasan	Energy Efficient Robust Pre-Charge Sense Amplifier
75	179	Abhirupa Saha, Srikanta Pal, Piyali Basak and Bhaskar Gupta	A Biodegradable THz Metasensor For Malignancy Apoptosis
76	187	Khaliqur Rahman, Syed Rahman, Md Samiullah, Atif Iqbal and Imtiaz Ashraf	V/f Control of Five Phase Induction Motor Drive Fed From Cascaded H Bridge Multilevel Inverter

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77	189	Nilesh Anand Srivastava, Anjali Priya and Ram Awadh Mishra	Performance evaluation of Hetero-Gate-Dielectric Re-S/D SOI MOSFET for low Power Applications
78	190	Dovendra Kumar Verma, Dr. Mahesh Singh and Dr. Shimpy Ralhan	Performance Analysis of SVC Supplementary Controller in Multi-machine Power System Network
79	191	Kashif Adhami, Mohammad Ubaidullah Bokhari and Rashid Ali	Machine Learning Approach to Evaluate News Search Engines
80	193	Tanveer Hasan and Ekram Khan	Contrast Enhancement using Efficient Gray-Level Grouping
81	195	Nida Iftekhar, Misbahur Rahman Warsi, Sherin Zafar and Samia Khan	Reverse Engineering of Relational Database Schema to UML Model
82	203	Durgesh Nandan, Kaushal Kumar, Jitendra Kanungo and Ritesh Kumar Mishra	Compact and Errorless 16-Region Error Correction Scheme for Antilogarithm Converter
83	204	Mohd Owais Khan	Branch Current based Distribution System State Estimation
84	205	Shweta Gupta and Nand Kishor	Time- Frequency Based Detection of Faulted Line and Fault Instant Using Wide Area Signals
85	208	Sudhanshu Maheshwari and Deepak Agrawal	Universal Biquadratic Current-Mode Filter Using a Single EX-CCCII
86	209	Animesh Srivastava, Aniket Srivastava, Vivek Yadav and Rittwik Sood	A Novel Approach to Low-Cost Plowing Automation Device
87	215	Priya Shukla, Bhanu Bhandari, Aditya Goel, Ravi Charan, Niharika Gali, Agam Dwiwedi, Nikhil Mundra, Ruchin Agrawal and Gora Nandi	Fusing Multimodal Human-Robot Communication using Deep Learning
88	216	Ashish Kumar Singh, Yasharth Shukla, Nagendra Kumar and Mrutyunjay Rout	Impact of ART and DPC on AODV Routing Environment for Dynamic Network using QualNet 7.1
89	217	Indu Pandey	TiO <sub>2</sub> incorporated exfoliated graphite paper based super anode for sodium ion batteries.
90	218	Kang Miao Tan, Vigna Kumaran Ramachandaramurthy, Jia Ying Yong and Mohd Tariq	Experimental Verification of Vehicle-to-Grid Charger for Demand Response Service
91	221	Deepak Kumar Prasad, Dr. Seethalekshmi K. and Preeti Verma	Analysis of Small Signal and Transient Stability under the Penetration of DFIG Integrated Wind Energy Conversion System
92	224	Raghvendra Tiwari, Ravindra Kumar Singh and Niraj Kumar Choudhary	Performance Analysis of Optimization Technique For Protection Coordination in Single & Multi Loop Distribution System
93	226	Abrar Ahmad, Mohammed Waris Senan and Md Inayat Ali	PMSG Wind Power and Fuel Cell (FC) based hybrid power generation system
94	232	Manoj Tyagi, Manish Manoria and Bharat Mishra	A Framework with Ciphertext Attribute-Based encryption for data security in the cloud

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96	239	Priya Shukla and Gora Nandi	Robotized Grasp: Grasp manipulation using Evolutionary Computing
97	241	Jagadish Rajpoot and Sudhanshu Maheshwari	Multi-functional Electronically tunable filter Using new DXCCCII
98	242	Harpreet Singh, Simranjit Singh, Mandeep Singh, Ramandeep Kaur and Amandeep Kaur Brar	MIMO TRIANGULAR PATCH ANTENNA FOR MULTIPLE APPLICATIONS
99	243	Tanuj Pal Singh, Priya Shukla and G. C. Nandi	Cartesian To Joint Space Mapping Using Q-Learning
100	249	Faizan Amin, Syed Ali Mohd Murtaza Mehdi and Ahmad Danish Khan	Distance Estimation using Tensorflow Object Detection
101	250	Rahul Pandey and Bhim Singh	Resonant LLC Converter For E-bike Charger
102	251	Arunava Banerjee, Kajol Bharti and M. Nabi	Legendre Pseudospectral Method based Optimal Control of Water-Borne Disease Transmission
103	252	Arunava Banerjee, Syed Muhammad Amrr and M. Nabi	An Online Bang-Bang Control Based Guidance Law for Missile-Target Engagement
104	254	Syed Muhammad Amrr, Rajasree Sarkar, Arunava Banerjee and M. Nabi	Parameter Optimization of Spacecraft Attitude Controller using Ant Lion Optimizer
105	256	Mohammad Zaid and S. S. Islam	Raman and PL analysis of nanowire based P type porous silicon etched for variable current densities
106	263	Mohd Tauseef Khan, Mohammad Quadeer Fahad, Anurag Chauhan, S.M. Suhail Hussain and Taha Selim Ustun	Market Power Assessment Based on Placement of FACTS Devices
107	264	Bushra Siddique and M.M. Sufyan Beg	"Computing With Words"- based Semantic Similarity Measure for Adjective Phrases
108	265	Rajasree Sarkar, Arunava Banerjee and M. Praveenkumar	An IMC-PI based Level Control with Gain Scheduling and Set Point Weighting
109	266	Atif Iqbal, M.A. Al-Hitmi, K.M. Pandav, M. Daula, M. Meraj and S. Rahman	A Quasi Impedance Source Inverter based Wireless Power Transfer System for Battery Charging Applications for Electric Vehicle
110	279	Mohd Syahmi Hashim, Jia Ying Yong, Vigna Kumaran Ramachandaramurthy, Kang Miao Tan and Mohd Tariq	Coordinated Vehicle-to-Grid Scheduling to Minimize Grid Load Variance
111	283	Abhijeet Choudhury, Subhendu Khatua, Swagat Pati and Sanjeeb Kumar Kar	A Reliable and Efficient Integration Topology for Autonomous Hybrid Systems using NSC
112	284	Nadeem Atif, Shaik Ahamed and Manas Bhuyan	A Review on Semantic Segmentation from a Modern Perspective

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113	285	Mudike Ravi, Ishan Barbate, Dr. Chandan Banerjee, Dr. Y. Bharat Kumar Reddy and Dr.Arun K Tripathi	Soiling effect on performance of solar radiometers in composite climatic zone of India
114	286	Kunal Malhotra, Priya Bhardwaj and Ritesh Sharma	Safety and Security System for Vehicles
115	287	Abhijeet Choudhury, Subhendu Khatua, Swagat Pati and Sanjeeb Kumar Kar	Power Control of Micro Hydro-Wind based Hybrid Autonomous System using Nine Switch Converter
116	289	Sunil Govinda Solanki, Vigna Kumaran Ramachandramurthy, Nicholas Yip Khye Shing, Rodney H.G. Tan, Mohd Tariq and Sudhakar Babu Thanikanti	Power smoothing techniques to mitigate solar intermittency
117	290	Shraiya Pant and R P Saini	Comparative Study of MPPT techniques for Solar Photovoltaic System
118	291	Shipra Tiwari and Saumendra Sarangi	Comparison of Current Stress For Different Modulation Techniques In Dual Active Bridge Converter
119	294	Ravi Kumar Gaddala and Ravi Kumar Bandaru	Single Phase PV-Fed Current Source Inverter with Sinusoidal Grid Current Injection Control
120	296	Imtiyaz Ahmad Khan	CNTFET BASED CIRCUIT DESIGN FOR IMPROVED PERFORMANCE
121	297	Bhim Singh, Farheen Chishti and Shadab Murshid	Power Quality Enhancement at PCC of an Isolated Wind-BES Microgrid Using Improved Filtered X-Adaptive Control
122	298	Md Mustafa Kamal, Imtiaz Ashraf, E Fernandez and Afroz Alam	Resource Allocation, Utilization and Feasibility Study of a Rural Microgrid
123	299	Hemant Kumar, Sisir Kumar Yadav, Kuldeep Sahay and S Shiva Kumar	Investigation on Recuperation of Regenerative Braking Energy using ESS in (Urban) Rail Transit System
124	300	Jagdish Kumar, Sandeep Kumar and Amita Kumari	A Nine Level Asymmetrical Multilevel Topology for Grid Connected PVGS
125	302	Abhishek Kumar, Subrat Kumar Pradhan and Dushmanta Kumar Das	H-infinity performance based state feedback controller design for wind integrated interconnected power system with time-delay
126	303	Bhim Singh and Radha Kushwaha	Power Factor Pre-regulation in Interleaved Luo Converter Fed Electric Vehicle Battery Charger
127	304	Princy Bajpai, Ashutosh Singh, Ashok Kumar Shankhwar	PERFORMANCE ANALYSIS OF NEIGHBOUR CENTRALITY METHOD BASED RUMOR SPREAD CONTROL WITH VARIABLE SPREADING RATE
128	305	Eugene Fernandez and Sandhya Prajapati	A Study on the Influence of Open Circuit Voltage (Voc) and Short Circuit Current (Isc) on Maximum Power Generated in a Photovoltaic Module/Array

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130	313	Zeeshan Rayeen, Shipra Tiwari and Omar Hanif	Fractional Order PID controller for tuning Interleaved Cuk Converter
131	314	Dr. Md.Tausif Ahmad, Prof.Narendra Kumar, Prof. Bhim Singh and Shagufta Khan	Efficient Matrix Wiener Filter Implementation Improves Power Quality in Distribution System
132	317	Aman Malhotra and Vasanth S	Application Of Flexiforce Sensor In Dynamic Balancing For Humanoid Robot
133	318	Sunaina Singh, Seema, Bhim Singh, Bijaya Ketan Panigrahi and Manoj Kumar Kushwaha	Delayed $\mu$ -Law Proportionate Adaptive Filter Based Control Approach for Weak Distribution Grid
134	319	Seema and Bhim Singh	RIP-APSA Based Control Approach for an Islanded Microgrid
135	321	Bharatiraja C, Adedayo Yusuff, Twala Bhekisipho and Mohd Tariq	Torque-Ripple Mitigation for BLDC using Integrated Converter Connected Three-Level T Type NPC-MLI
136	323	Muhammad Abuturab	Multiple color-image fusion and watermarking based on discrete wavelet transform and Yang-Gu mixture amplitude-phase retrieval algorithm in Fresnel transform domain
137	324	Rinalini Lahon, Chandraprakash Gupta and Eugene Fernandez	Interactive Model for Risk-Management of a Microgrid Cluster and the Distribution Network
138	326	Ali Md Arif, Meraj Mohammad, Rahman Syed and Iqbal Atif	Switched Inductor Quazi Switched boost Converter for the Nano-Grid Applications
139	327	Rahman Syed, Khaliqur Rahman, Ali Md Arif, Mohammad Meraj and Atif Iqbal	Quasi Z Source Inverter Fed V/f Controlled Five Phase Induction Motor Drive Powered
140	330	Sayantana Dey, Sayanjit Singha Roy, Kaniska Samanta, Sudip Modak and Soumya Chatterjee	Autocorrelation Based Feature Extraction for Bearing Fault Detection in Induction Motors
141	331	Arnab Nandi, Souvik Biswas, Kaniska Samanta, Sayanjit Singha Roy and Soumya Chatterjee	Diagnosis of Induction Motor Faults Using Frequency Occurrence Image Plots–A Deep Learning Approach
142	332	Prashant Shekhar, Ajay Kumar, Amir Ahmad and Mayank Srivastava	All Optical OR/NOR logic gate using the Micro-ring Resonator based Switching Activity
143	333	Sudhanshu Maheshwari and Jagadish Rajpoot	Electronically tunable Quadrature Oscillator circuit using DXCCII
144	335	Ravi Kumar Gaddala and Narsa Reddy Tummuru	Predictive Voltage Control of Two-Leg Current Source Inverter for UPS Applications
145	336	Sambaiah Pelluri, Muhammed Fasil and Mv Kartikeyan	Compact Bandpass Filter using QMSIW cavity with slot resonator
146	337	Siseyiekuo Khatsu, Abhishek Srivastava and Dushmanta Kumar Das	An Adaptive Phasor Particle Swarm Optimization to Solve Economic Load Dispatch and Combined Emission Economic Load Dispatch Problem
147	339	Ashok Tripathi, Adnan Iqbal and Supriyo Das	Understanding the Aging of XLPE Cable Insulation Using Impedance Analyzer



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149	341	Anjaneer Kumar Mishra and Bhim Singh	An Efficient Power Management Control Technique for Battery Supported Solar Powered Water Pump Using Positive Output Luo Converter
150	345	Sunil Pandey, Shailendra Kumar and Bhim Singh	Robust Frequency Cascaded Adaptive Complex Filter Control for Grid Interactive PV System
151	349	Aditya Nath Bhatt, Upendra Kumar Verma and Brijesh Kumar	Absolute "Two measurement" vs Relative quantum yield measurement techniques: An experimental analysis
152	350	Upendra Verma, Aditya Nath Bhatt, Medha Joshi and Brijesh Kumar	Performance Optimization of p-n Junction Solar cells with Device Architecture
153	352	Girish Chandra Tripathi and Meenakshi Rawat	Characterization of Hardware Impairments in Software Defined Radio
154	354	Maneesh Upadhyay, Asheesh Kumar Singh and Padmanabh Thakur	Wavelet Based Voltage Sag Characterization and Detection Method
155	356	Bharat Vardani	Optimum Location of SVC in an IEEE 33 Bus Radial Distribution System Using Power Sensitivity Index
156	358	Farheen Zehra, Mohd Faran, Areesha Anjum and Saiful Islam	DR-Net: CNN Model to Automate Diabetic Retinopathy Stage Diagnosis
157	359	Richa A and Tariq Moahmmad	Vector Control of Modular Multilevel Converter Based Regenerative AC to DC converter
158	360	Imran Pervez, Arsalan Pervez, Mohd Tariq, Adil Sarwar and Mohammad Zaid	A Maximum Power Point Tracking Method for a Partially Shaded Solar PV Cell using PSO with Damped Inertial Weight Algorithm and Time varying Acceleration
159	362	Yuvraj Praveen Soni, Eugene Fernandez and Rhythm Singh	Evaluation of Loading of Individual Buses on Voltage Regulation in a Radial Microgrid Feeder
160	363	Manoj Tyagi, Manish Manoria and Bharat Mishra	An enhanced access control and data security framework for cloud application
161	366	Md Amir Baig, Athar A. Moinuddin and Ekram Khan	PSNR of Highest Distortion Region: An Effective Image Quality Assessment Method
162	367	Mohd Sartaj, Mohd Rizwan Khan and Dr. Mohd Faisal Khan	Modelling of Five-Phase Induction Generator Incorporating Magnetic Cross Saturation Effect
163	368	Mohammad Tayyab and Adil Sarwar	Sub module Capacitor voltage balancing of Modular Multilevel Converter
164	371	Mohd. Rizwan Khan	A Unique Technique to Convert a Three-Phase Supply System into n-phase Supply System
165	372	Qurratulain ., Emad Jamil and Salman Hameed	Performance Analysis of SSSC in a Multi-Machine Transmission Network during different Fault Conditions
166	373	Imdad Ullah and M. S. Jamil Asghar	Performance Evaluation of Doubly Fed Induction Machine Used in Flexible Asynchronous AC Link for Power Flow Control Applications

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168	378	Afroz Mokarim, Bharti Dwivedi and Preeti Verma	Transient Stability Analysis and Fault Ride-Through Augmentation of a Doubly Fed Induction Generator in a 9- Bus Power System
169	381	Mohammad Fahad and Adil Sarwar	Modeling and Performance Analysis of a Multilevel Inverter fed PMSM Open Loop Drive
170	383	Mu Anas, Anzar Ahmad, Adil Sarwar and Anuradha Tomar	An asymmetric Switched-Capacitor based Inverter Topology with reduced device count
171	385	Gulezar Shamim and Mohd Rihan	Novel Technique for Feature Computation and Clustering of Smart-meter data
172	389	Rashid Jamal, Indra Kumar Singh and Rajiv Kumar Singh	Effect of Rise Time in High Speed Interconnects
173	390	Rajiv Kumar Singh	Mode Competition and Control in a Vane-Loaded RF Interaction Structure
174	392	Ash Mohammad Abbas	An Algorithm for Dynamically Computing Grade Ranges in Academic Environment
175	395	Mohammad Mushir Riaz and Badarul Hasan Khan	Estimation of weibull parameters and selection of optimal wind turbine for the development of large offshore wind farm
176	396	Prashant Varshney and M Jaleel Akhtar	A High Q Substrate Integrated Waveguide Resonator for Microwave Sensing of Low Loss Materials