

Paper no	Paper title	Author's name
1	Multiple Encryption using ECC and Its Time Complexity Analysis	Vishal Kumar, Ratnesh Kumar, Mashud A. Barbhuiya, Monjul Saikia
2	A Weight Learning Technique for Cursive Handwritten Text Categorization with Fuzzy Confusion Matrix	Goutam Sarker
5	A New RBFN with Modified Optimal Clustering Algorithm for Clear and Occluded Fingerprint Identification	Sumana Kundu, Goutam Sarker
9	An Improved Performance of the Soft Switching Buck Converter	T. Halder
14	QPSK Modulation & Demodulation Implementation on CEVA XC-321 DSP for IEEE 802.11b Wi-Fi Phone Application	Somnath Mondal, Santu Sardar, K. Ananda babu
19	A UNIFIED APPROACH FOR IDENTIFICATION AND CONTROL OF ELECTROMAGNETIC LEVITATION SYSTEM IN DELTA DOMAIN	Arindam Mondal, Dr. Prasanta Sarkar
21	Resourceful Association Control in Wireless Mobile Environment	Tamal Mondal, Saikat Bag, Indrajit Bhattacharya
23	Discrimination of Black Tea Grades by means of Cyclic Voltammetry using Polyacrylamide/Exfoliated Graphite Composite Electrode	Trisita Nandy Chatterjee, Runu Banerjee Roy, Bipan Tudu, Sudip Biswas, Rajib Bandyopadhyay, Panchanan Pramanik
26	A Particle Swarm Optimization Based Gene Identification Technique for Classification of Cancer Subgroups	Subhajit Kar, Kaushik Das Sharma, Madhubanti Maitra
27	An Application of Complex Network in Allocation of Distributed Generation in Distribution Network	Tamalika Chowdhury, C.K. Chanda, Atri Bera
32	PID Controller Design for An Interacting Tank Level Process With Time Delay Using MATLAB FOMCON Toolbox	Deep Mukherjee, Palash Kumar Kundu, Apurba Ghosh

35	Electrical energy generation by enhancing flow induced vibration	Biprodir Mukherjee, Subhasish Das and Asis Mazumdar
38	Detecting the Origin of Multifractality of EEG Signals with Sleep Apnea Syndrome using Multifractal Detrended Fluctuation Analysis Method	Monisha Chakraborty, Tithi Das, Dipak Ghosh
40	Congestion Management by Generator Real Power Rescheduling using Flower Pollination Algorithm	Subhasish Deb, Arup Kumar Goswami
41	Reliability of Convergence Metric and Hypervolume Indicator for Many-Objective Optimization	Monalisa Pal, Sanghamitra Bandyopadhyay
44	Calibration of Electrode Polarization Impedance type Flow meter Using Neural Network	S. Sinha, N. Mandal, S.C. Bera
45	Optimum Power Allocation of Parallel Concatenated Convolution Turbo code using Flower Pollination Algorithm	Subhabrata Banerjee, Sudipta Chattopadhyay
47	An Approach to Improve the Performance of a Feedback Control Loop by Discrete-Time Sensor Response Compensation	Priya Ranjan Satapathi, Amitabha Das and Binanda Kishore Mondal
49	Performance Analysis of a Three-phase SISFCL with the Variation of Circuit Parameters using Jiles Atherton Hysteresis Model	A. Upadhyaya, D. Sarkar, A. B. Choudhury, D. Roy
50	Grid Integration of PV System with Active Power Filtering	Aurobinda Bag, Bidyadhar Subudhi, Pravat Kumar Ray
51	Optical Properties of Polymer-Infused Microstructured Optical Fibers: An Analytical Field Model	Dinesh Kumar Sharma and Saurabh Mani Tripathi, Anurag Sharma
54	A Naïve Bayesian Approach to Lower Limb Classification from EEG Signals	Arnab Rakshit, Anwesha Khasnobish, D.N. Tibarewala
56	Development of Cluster Algorithm for Grid Health Monitoring	R.K. Pandey, Satish Kumar and Chandan Kumar
57	Input Tracking of Lipschitz nonlinear systems using Input-State-Stability approach	Arunima Mukherjee, Aparajita Sengupta
59	Effect of Matrix Converter on the Speed Control Scheme of a Grid Connected Doubly-Fed Induction Generator System	Abhinandan Basak, Kaushik Mukherjee, Prasad Syam

60	Multiresolution SVD and Pixel-Wise Masking Based Image Watermarking	Anil Kumar Shaw,Swanirbhar Majumder
63	Design of Fuzzy gain scheduler for Superheater Temperature Control in Power Plant	T.K. Sai, K.A. Reddy
69	Internet of Things Cloud Based Smart Monitoring of Air Borne PM2.5 Density Level	Partha Pratim Ray
72	Synchronization of Two Chaotic Coronary Artery Systems Using Modified Feedback Method	Partha Roy,Susanta Ray,Dr. Samar Bhattacharya
73	Design Methodology, Control and Performance of a Three-Phase Grid-Tie PV Inverter under Maximum Power Point Tracking	Abhisek Maiti#1, Kaushik Mukherjee #2, Prasad Syam
74	Dynamic Adjustments of the D-Q axes Reference Voltage Limits during Flux Weakening and Maximum Torque Per Ampere Control of an IPMSM Drive for an EV Application	Tanmoy Dey, Kaushik Mukherjee, Prasad Syam
75	Artificial Bee Colony Based Design Optimization of a Six-Phase Induction Motor	Pratyush Prasanna Das, S. N. Mahato
78	Automation of an optical frequency standard experiment	N. Batra, A. Roy, C. Samal, N. Varshney, S. Panja and S. De
79	Development and simulation of dynamic conductance based wattage-independent Compact Fluorescent Lamp model in high frequency environment	Biswadeep Gupta Bakshi, Biswanath Roy
80	A Novel Technique for Optimal PMU Placement with Effects on Dynamic State Estimation	Rahul Dubey
83	Genetic Algorithm based I-PD Controller Design for ONTROLLER DESIGN FOR TWIN Rotor MIMO System	Ayan Saha,Sarban Chakraborty
84	Evaluation of Power Efficient Modified Convolution Coder and Maximum Likelihood Decoder for Wireless Communication System	Ardhendu Shekher Biswas, Subhankar Bhattacharjee, Sanjib Sil , Monojit Mitra, Rabindranath Bera
86	Analysis of Non-linear Voltage Gain Buck Converter	M. Veerachary
87	Histogram Modification Based Colour Image Enhancement Scheme	Pooja Gupta,Anila Dhingra
89	An efficient hardware accelerated design for image denoising using Extended Trilateral Filter	Mitratithi Dey, Chandrajit pal, Amlan Chakraborty, Ranjan Ghosh

90	Authentication of unknown fault for a three phase induction motor by stator current spectral analysis	Arunava Kabiraj Thakur, Kumar Kundu
91	Implementation Aspects of Substation Automation Systems based on IEC 61850	Biswajit Adhikary, Sudhakar Rao, Srinivasa Rao Balasani
92	Fractal analysis of EMG signal under Varying Load Conditions	Dr. Monisha Chakraborty, Debanjan Parbat
93	Optimal Coordination of DOCR in interconnected Power Systems	Debasree Saha, Asim Datta, Biman Kumar Saha Roy, Priyanath Das
95	Precision Positioning System for Long Travel Range with Submicron Resolution	Arpita Mukherjee, Pratap Karmakar, Saikat Kumar Shome, Siddheswar Sen, Uma Datta
96	Development and Performance Analysis of Wireless Sensor Node for Structural Health Monitoring Using Fast Fourier and Wavelet Transform	Saikat Kr Shome, Siddheswar Sen, Koushik Mondal, Uma Datta
97	Combined Hybrid Routing Algorithm for WPAN	Debabrato Giri, Uttam Kumar Roy
98	A Current Signature based Stator main winding fault detection technique for Single-phase Induction Machine	Raj Kumar Roy, Arunava Chatterjee and Debashis Chatterjee
100	Identification of Faulty Load Bus in a Multi-Bus Power System	Debopoma Kar Ray, Surajit Chattopadhyay, Kaushik Das Sharma, Samarjit Sengupta
101	Enhancing ZigBee Tree Routing to Support Large Pseudo-Linear Network Topologies	Uttam Kumar Roy
103	Fuzzy Rule Enhanced Support Vector Machines for Classification of Emotions from Brain Networks	Reshma Kar, Pratyusha Das, Amit Konar, Aruna Chakraborty
104	Bias Field Estimation and Segmentation of MRI Images using a Spatial Fuzzy C-means Algorithm	Sudip Kumar Adhikari, Jamuna Kanta Sing, Dipak Kumar Basu
105	Design of Nonlinear Optimal STATCOM Controller Based on Game Theory to Mitigate Transient Oscillations in a Power System	Debasish Mondal, Asim Halder

108	A FrameWork For Resilience Performance Analysis of An Electrical Grid	Dilshad Ahmad, Chandan Kumar Chanda
110	Transient Stability Enhancement In Two Machine System By Using DSSC With PSS And POD Controller.	S. I. Barde, G. R. Walke
111	Simple Soft-Switched (ZCS) Boost Converter Suitable for Power Factor Correction	Biswajit Majumdar,Shib Shankar Saha,Dipten Maiti,Sujit Kumar Biswas
112	A Single-Phase Isolated Z-Source Inverter	Swetadri Ghosh, Koustuv Sarkar, Dipten Maiti, Sujit K. Biswas
113	Direct and Indirect Measurements of Power System States in Off-nominal Condition	Dhruba Kumar,Nada Ali
115	Review on Transit time Ultrasonic Flowmeter	G. Rajita,Dr. Nirupama Mandal
119	Dehazing Technique based on Dark Channel Prior model with Sky Masking and its quantitative analysis	Dibyasree Das, Sheli Sinha Chaudhuri,Sangita Roy
120	Design of a Novel Error Detection and Correction Scheme for Pipeline and other Multi-stage ADCs with a Mono Comparator per Stage Pipeline like Architecture	Aritra Sinha,Rijhi Dey,Sunit Kumar Sen
123	Characterizing Cardiac Arrhythmia by Optimized Window Length based PRSA Technique	Uday Maji,Saswati Mondal, Antara Biswas,Saurabh Pal
124	A New Hybrid Particle Swarm Optimization Technique For Optimal Capacitor Placement In radial Distribution Systems	Soham Mandal, Dr. Kamal Mandal Bhimsen Tudu
125	An Intelligent Energy Management System to Optimise Demand Response in Smart Micro Grids	Sandip Chanda,Abhinandan De
128	<i>Study on the potential of combined GLCM features towards medicinal plant classification</i>	Gunjan Mukherjee, Arpitam Chatterjee and Bipan Tudu
132	Implementation of Jacobi Iterative Solver in VHDL	Manashwi Tamuli, Shreyasee Debnath, Ashok Kumar Ray, Swanirbhar Majumder
133	Feature extraction and classification of woven fabric using optimized Haralick parameters: A rough set based approach	Jayanta K Chandra, Madhumanti Majumdar, Sourish Sarkar

134	Detection and identification of ECG waves by Histogram approach	B.Halder, S.Mitra, M.Mitra
135	Modeling and Simulation of a Novel Three Phase Discrete Observer Based on Recurrence Formula	Ankith Vinaychandran,K Selvajyothi
137	The Improved Power Rating of Inverter Topology for the Application in Standalone or Smart Grid Connected Photovoltaic Systems	Haimanti Bhattacharjee,Jayaram Nakka
139	Performance Analysis of a Three-Phase Active Front-End PWM Rectifier without Current Loop PI Controller	A. Mitra,P. S. Bhowmik,S. Chowdhuri
144	Three Phase Three Switch Modular Vienna, Boost and SEPIC Rectifiers	Khandaker Lubaba Bashar,Dr. M. Nasir Uddin,Amina Hasan Abedin,Dr. Mohammad Ali Choudhury
147	A Novel Scheme for Bengali Handwriting Recognition Based on Morphological Operations with Adaptive Auto-Generated Structuring Elements	Priyanka Das , Tanmoy Dasgupta and Samar Bhattacharya
148	Optimised Use of Nodes in Wireless Sensor Network: A Novel Approach To Overcome the Effect of Interference	Arnab Ghosh, Madhavi Lata, Gargi Konar, Niladri Chakraborty
149	An automated SCADA based system for Identification of Induction Motor Bearing Fault used in Process Control Operation	S. Mitra,C. Koley
150	A Study on Wide-Area Controller Design for Inter-Area Oscillation Damping	Abhilash Patel , Sudhansu Samal, Sandip Ghosh, Bidyadhar Subudhi
152	Study of a Modified IR Defusing Surface as a uniform source and its application as Non-Contact Level Sensor	Sudipta Chakraborty, Nirupama Mandal, Satish Chandra Bera
154	A Bit swap Logic (BSL) Based Bubble Error Correction (BEC) Method for Flash ADCs	Pranati Ghoshal,Sunit Kumar Sen
155	Steady State and Transient Stability Analysis of Wind Energy System	Patil Ashwini,Dr. Archana Thosar
159	Visual Sensing Based Adaptive Sliding Mode Control of Position Tracking in Electrohydraulic Systems	S. Chaudhuri, R. Saha, S. Mookherjee, D. Sanyal,A. Chatterjee
162	Assessment of Saturated Current Transformer Primary Current by Multi Resolution Analysis of Its Secondary Current	A. Chattopadhyaya,S. Chattopadhyay, J. N. Bera,S. Sengupta

166	Determination of $\alpha$ , $\beta$ & $\gamma$ -Components of a Switching State without Clarke Transformation	Ajoy Kumar Chakraborty, Bhaskar Bhattachaya
168	Effect of lightning on soil characteristics with and without underground cable	Swarnankur Ghosh,Supriyo Das
170	OPF Governed Determination of Location and Size of Distribution Generators using Gravitational Search Algorithm	Barnali Kundu (Sarkar),Avijit Chakrabarti
172	A Novel Strategy for Determination of Optimal Sizing of PV-Wind Hybrid System	B. Tudu, K. K. Mandal, N. Chakraborty
173	Modified DCSK Communication Scheme for PLCC based DAS with Improved Performance	Subhra J. Sarkar, Palash K. Kundu, Ipsita Mondal
174	Design and Development of an 8 Bit Microcontroller Based Space Vector PWM Inverter Fed Volt/Hz Induction Motor Drive	Soumyajit Datta, Arabindo Chandra, Sumana Chowdhuri
178	Hybrid Huffman Coding Scheme for Efficient and Secured Condition Monitoring of a Substation	Ayindrila Roy,Jitendranath Bera, Gautam Sarkar
179	Frequency and voltage droop control of parallel inverters in microgrid	Chethan raj D,D.N.Gaonkar
186	Multi-objective Function for System Modeling and Optimal Management of Micro Grid: A hybrid Technique	Kallol Roy,Dr. Kamal Krishna Mandal,Mr. Sunanda Hazra,Dr. Atis Chandra Mandal
187	ECG Delineation using Multiresolution DWT and Relative Magnitude and Slope Comparison	Deboleena Sadhukhan, Saurabh Pal, Madhuchhanda Mitra
190	Optimal State Feedback Controller and Observer design for Twin Rotor MIMO System	Roshni Maiti,Kaushik Das Sharma,Gautam Sarkar
191	Portable Photoplethysmogram Acquisition and Analysis Instrument	Samiul Alam,Rajarshi Gupta
193	Development of Remote Monitoring Analysis and Reporting System for Industrial Machines	Jinia Datta,Jitendranath Bera,Sumana Chowdhuri
198	A comparative study between different modulation techniques used in Field Oriented Control Induction Motor Drive	T. Banerjee,Dr. J.N.Bera,Dr S.Chowdhuri,Dr G.Sarkar

200	Effect of X/R Ratio on Low Voltage Distribution System Connected with Constant Speed Wind Turbine	Tathagata Sarkar, Anjan Kumar Dan, Saikat Ghosh
201	Electric Field Computation in Presence of Water Droplets on a Polymeric Insulating Surface	R.K.Dholey, R.Bose and P.Roy,S. Chatterjee
202	Switched Boost Inverter Applicable for Solar Photovoltaic System Based Micro-Grid	Mohd Alam, Joydip Jana, Hiranmay Saha
203	State Estimation of Radial Distribution Network Using a PMU and Sample Shifting Technique	Ayindrila Roy,Jitendranath Bera, Gautam Sarkar
204	Particle filter based estimation of navigation information during in-flight post ejection	Sudipta Chakraborty,Suvenu Chattaraj,Abhik Mukherjee
205	An FPGA-based Incremental Encoder Signal Conditioner with reduced error in rotational rate estimation over a wide range of rotational speeds	Depanwita Sarkar Debnath, Mahua Pal, K. Banerjee, B. Dam, K. Majumdar
206	Synchronization Aspects of Single Phase SPWM Inverters for Microgrid Mode of Operation	Pritha Roy,Dr. J.N.Bera, Dr. S. Chowdhuri
207	FPGA Friendly Fault Detection Technique for Inverter Fed Induction Motor	Parth Sarathi Panigrahy Subhrajit Mitra Pratyay Konar Dr. Paramita Chattopadhyay
209	A Single Stage Power Factor Correction Converter for High Voltage Power and Frequency Applications	Guvvala. Nagaraju, Shashi. B. Shingh and Jayaram. N
212	Transient Analysis of Mechanically Switched Capacitors with and without Damping Network Connected to A.C Grid	Rohit Bose, Kaniska Samanta, Kunal Ghosh, Ritadip Bandyopadhyay and Soumya Chatterjee
213	Solve of Economic and Emission Scheduling Problems Using Teaching Learning Based Optimization	Sneha Rani Sharma,Subhajit Roy,Kuntal Bhattacharya,Aniruddha Bhattacharya
216	KNN Based Fault Diagnosis System for Induction Motor	Sudeep Samanta,Jitendra Nath Bera,Goutam Sarkar



217	Photoplethysmogram signal based Biometric Recognition using Linear Discriminant Classifier	Samik Chakraborty,Saurabh Pal
218	An IoT Based Smart Solar Photovoltaic Remote Monitoring and Control Unit	Soham Adhya, Dipak Saha, Abhijit Das, Joydip Jana and Hiranmay Sah
221	An Improved Fuzzy PID Controller with Fuzzy Rule Based Set-point Weighting Technique	Pubali Mitra,Chanchal Dey,Rajani K. Mudi
222	Design of multi-loop IMC-PID controller for TITO process with dead time	Parikshit Kr Paul,Chanchal Dey,Rajani K. Mudi
232	Analysis and Synthesis of State Models Involving Jump Discontinuities in Hybrid Functions (HF) Domain	Srimanti Roychoudhury,Anish Deb,Gautam Sarkar
233	Recursive solution of systems modeled by state space and multi-delay systems via first and second order Taylor series	Suchismita Ghosh, Anish Deb and Gautam Sarkar