

Friday, 7th June, 2019, 14:00 - 15:30 hrs.

Hall 2 : Track - I : Communication systems		
Paper ID	Paper Title	Authors' Name
2	Decoding Erasures for Nonsystematic RS Codes	Tao Wu and Ruomei Wang
25	SDNGuard: An Extension in Software Defined Network to Defend DoS Attack	Jeevan Surya Maddu, Somanath Tripathy and Sanjeet Kumar Nayak
44	A Statistical model for automated patient monitoring using wireless body-area networks	Aditi Chatterjee and Kiranmoy Das
45	A novel Interference-aided Energy Harvesting Scheme for Cooperative Network	Chandrima Thakur and Sudipta Chattopadhyay
63	Occupancy Estimation in Semi-Public Spaces using Sensor Fusion and Context Awareness	Pradnya Gaonkar, Jyotsna Bapat, Debabrata Das and Subrahmanya Vrk Rao
182	An Energy Efficient Statistical Approach for Greenhouse Monitoring using Wireless Sensor Nodes	Dola Gupta, Palaniandavar Venkateswaran and Aditi Chatterjee
229	Discrete Wavelet Transform Based Hybrid Edge Detection Technique for Wideband Spectrum Sensing in CRNs	Abhishek Kumar and Seemanti Saha

Hall 3: Track - II : Robotics and Mechatronics		
Paper ID	Paper Title	Authors' Name
56	Human–Hand Posture Classification For Robotic Teleoperation Using Wearable Sensor	Pratyush Pratim Devnath, Ananda Sankar Kundu, Oishee Mazumder and Subhasis Bhaumik
88	Semi-isotropically Optimized Parallel Manipulator Design Issues: A Performance Comparison in view of Vibration Isolator Application	Biswajit Halder
154	An Approach to Labelled Indoor Mapping using SLAM and Object Detection	Rajasekar Mohan, Manoj Surya K and Tarun Bhargav Sriram
197	Active upper arm exoskeleton - Design and kinematic analysis	Paulami Santra, Arani Mukhopadhyay, Bishan Debnath, Mervin A. Herbert and Subhasis Bhaumik
209	Autonomous Fire Fighter Robot Based on Image Processing	Md. Tasnimul Hasan, A.Q.M. Sazzad Sayyed, Shakib Mahmood and Abdul Rakib Hossain
298	Lower Limb Movement Analysis for Exoskeleton Design	Susmita Das, Dalia Nandidas and Biswarup Neogi
320	Study of β , ρ and Q_0 parameters for Shortest Path Estimation using Ant Colony Optimization	Tanmay Chakraborty, Sagnik Chakrabarti and Bikramjit Hazra
297	An Android Subjugated Compact Self-driving Semi-Autonomous Vehicle	Md. Arifur Rahman Barno, Md. Anwarul Azim, Abu Shufian, Ishtiaq Ahmad and Shanta Datta

Hall 4: Track - III : Power and Energy		
Paper ID	Paper Title	Authors' Name
19	Hybrid storage system sizing for minimum daily variability injection	Subir Majumder, Shrikrishna A. Khaparde, Ashish P. Agalgaonkar, Sarath Perera, S. V. Kulkarni and Philip Ciufo
29	Advancement of Situational Awareness in Eastern Regional Control Center	Amit Kumar Chowdhury, Biswajit Mondal, Bibek Agarwal, Marisarla Viswanadh, Sugandh Prasad Barnwal and Daman Kumar Jain
37	Performance Study of Different PLL Schemes Under Unbalanced Grid Voltage	Utsava Kumar Singh and Abhinandan Basak
57	Impact of System Parameters on the Performance of Synchronverter	Aditya Ranjan Brahma, Vinu Thomas, Kumaravel S and Ashok S.
85	A Long Term PV Power Degradation Prediction due to Dust Fouling and Environmental Stresses	Saheli Sengupta, Suman Maiti, Subhashis Ghosh, Arnab Das, Samarjit Sengupta and Hiranmay Saha
100	PSS Design and its Performance Investigation on the Subsystem where the Inter-Area Mode is Most Dominant	Lalit Kumar
101	A Communicationless Control Of Single Phase Two Winding SEIG By VSI Battery Based System	Shamik Sen, Dr. S.P Singh and Dr. Sumit Ghatak Choudhuri
83	Optimal Placement of Distributed Generation in an Unbalanced Radial Distribution System Considering Load Variation	Soma Biswas, Swapan Goswami and Debjani Bhattacharya

Hall 5: Track - IV : Computational Intelligence		
Paper ID	Paper Title	Authors' Name
42	Emotion Analysis based on LASSO	Parthana Sarma and Shovan Barma
47	A Real-World Investigation of TwinSVM for the Classification of Petroleum Drilling Data	Saurabh Tewari and U.D. Dwivedi
53	A New Bonobo Optimizer (BO) for Real-parameter Optimization	Amit Kumar Das and Dilip Kumar Pratihari
75	Detecting Extended Contexts in Tweets using DBpedia	Venkatesha M, Prasanth G Rao, Anita Kanavalli, P Deepa Shenoy and Venugopal K R
80	HC-PSOGWO: Hybrid Crossover Oriented PSO and GWO based Co-Evolution for Global Optimization	Nabanita Banerjee and Sumitra Mukhopadhyay
137	A fission-fusion (FF) selection scheme for genetic algorithms	Amit Kumar Das and Dilip Kumar Pratihari
156	Bengali Text Summarization using TextRank, Fuzzy C-Means and Aggregate Scoring methods	Ramkrishna Saha, Alvee Rahman, Fahim Md Rafiq, Ruhit Rafian and Hossain Arif
15	Bayanno-Net: Bangla Handwritten Digit Recognition using Deep Convolutional Neural Networks	Mohammad Shakirul Islam, Md. Ferdouse Ahmed Foysal and Sheak Rashed Haider Noori

Friday, 7th June, 2019, 15:45 - 17:15 hrs.

Hall 2: Track - V : Communication Systems		
Paper ID	Paper Title	Authors' Name
62	Modelling Agricultural Residue based Microwave Absorber under X-band Frequency	Soumya Sundar Pattanayak, Swagatadeb Sahoo and S. H. Laskar
167	A qualitative study of current trends in microwave wireless power transmission including current advancements and challenges	Afrin Meem, Henry Bukenya, Abrar Faisal, Pulok Tarafder and A.K.M Abdul Malek Azad
258	A Novel AMC Backed Wide Band Wearable Antenna	Tannistha Mitra Das, Sk Nurul Islam, Gobinda Sen and Santanu Das
272	Compact Quad-band MIMO Antenna Array with Low Mutual Coupling for Mobile Terminal	Mohit Mishra and Rakesh Singh Kshetrimayum
302	A UWB Antenna with Bandwidth Enhancement for 5G, IoT, USB-dongle and UWB wireless applications	Jeet Banerjee, Sweta Bhattacharjee, Arkya Santra, Sushmita Saha and Rowdra Ghatak
305	Analysis of Energy Harvesting Techniques for Mobile Networks	Farzana Shabnam

Hall 3: Track - VI : Signal and System		
Paper ID	Paper Title	Authors' Name
49	S-HAZE: dataset consisting of real world ground truth and hazy images of varying haze density with no- sky, little sky and large sky regions	Sriparna Banerjee and Sheli Sinha Chaudhuri
70	Effect of Respiratory Effort Levels on SCG Signals	Tilendra Choudhary, M.K. Bhuyan and L.N. Sharma
113	Reconstruction of Corrupted and Lost Segments from Photoplethysmographic Data Using Recurrent Neural Network	Monalisa Singha Roy, Pinaki Bag and Rajarshi Gupta
144	Estimation of Respiration Rate from Motion Corrupted Photoplethysmogram: A Combined Time and Frequency Domain Approach	Biplab Roy, Rajarshi Gupta and Jayanta K. Chandra
148	Design of Band-pass Filter using Improved Sine Cosine Algorithm and its Implementation on FPGA	Arya Sikder, Supriya Dhabal, Pranabesh Bhattacharjee and Palaniandavar Venkateswaran
158	Distinguishing Photographic and Computer Generated Images using Local Rank Transform	Swati Bhattacharya and Manish Okade
172	Computational Color Naming for Human-Machine Interaction	Kondalarao Jyothi and Manish Okade
186	Design of Current-mode High Frequency linear Analog Circuit	Debanjana Datta, Mousumi Bhanja, Amit Prasad, Baidyanath Ray and Ayan Banerjee
325	A Gray Box Interpretable Visual Debugging Approach for Deep Sequence Learning Model	Md Mofijul Islam, Amar Debnath, Tahsin Al Sayeed, Md. Mosaddek Khan, Swakkhar Shatabda, Anik Islam and Md Mahmudur Rahman

Hall 4: Track - VII : Power and Energy		
Paper ID	Paper Title	Authors' Name
104	Hybrid AC-DC Microgrid Load Flow Based on Modified Backward Forward Sweep Method	Deblina Roy, Ujjal Sur and Gautam Sarkar
131	Monitoring and Control of MultiBus Microgrid System Using FPGA Platform	Smitha Pinto, Narendra Babu P, Rangababu Peesapati and Gayadhar Panda
132	Short-Circuit based Optimal Location, Sizing and Power Factor Determination of Multi Distributed Generations in Radial Distribution Networks	Sandeep Kumar Das and Supriya Sarkar
136	Data Acquisition For Residential Energy Management Employing IoT Using ThingSpeak	Gautam M, Mahalakshmi R, Raviteja Siram and Sivanesh S
141	Effect of Surface Charge Accumulation on Electric Field Computation in CO2 filled GIS	Subham Khatua and Preetha P
143	A Maximum Power Point Tracking VRLA Battery Charger Based on Modified Perturb and Observe Technique	Rajib Malik, Kalyankumar Ray and Saswati Mazumdar
152	Partial Discharge Characteristics of Nanofilled Mineral Oil	Joyce Jacob, Dhanya S, Lekshmi Tharamal, Avinash Nelson A and Preetha P
115	Ferroresonance in Southern Regional Grid of India- Grid Operator's Perspective	Arthi Rones, Abhisek R S, Muthu Kumar, Jane Jose and Abhimanyu Gatia

Hall 5: Track - VIII : Computational Intelligence		
Paper ID	Paper Title	Authors' Name
4	Lag-Bipartite Consensus of Linear Multi-agent Systems over Signed Directed Graph	<u>Sourav Bhowmick</u> and <u>Surajit Panja</u>
13	Electric Vehicle Impact Analysis in a Microgrid Using Optimized Bio-Inspired Non-Integer Controller	Shraddha Maslekar, Rohit Venkatesh, Dhananjay Kumar, Hitesh Datt Mathur and Houria Siguerdidjane
170	A Neutrosophic Solid Transportation Model with Insufficient Supply	Nilabhra Paul, Deepshikha Sarma and Uttam Kumar Bera
208	Identification and Comparative Analysis of Potholes Using Image Processing Techniques	Asif Ahmed, Samiul Islam and Amitabha Chakrabarty
213	Image Approximation using Singular Value Decomposition vs the Spatial Information	Tamojay Deb, Anjan K. Ghosh and Anjan Mukherjee
248	Environment Dependent Neural Network Model For Occupancy Detection	Bed Prakash Das, Kaushik Das Sharma and Jitendranath Bera
275	An Improved Particle Swarm Optimization based Neural Network Training for Classification	Palash Mondal, Arijit Nandi and Nanda Dulal Jana

Hall 2: Track - IX : Machine Learning and Data Analytic		
Paper ID	Paper Title	Authors' Name
30	Restoration of Historical Document Images Using Convolutional Neural Networks	Poulami Raha and Bhabatosh Chanda
33	The preliminary exploration on application of Machine Learning in the Middle-Infrared Spectrum analysis	Shangmin Dou, Xiaoyu Ji, Yunbo Yang and Yifan Yuan
51	Classification of Moving Crowd Based on Motion Pattern	Aneek Roy, Nimagna Biswas, Sanjay Saha and Bhabatosh Chanda
71	Accessibility metric for characterizing the relevance of conference papers	Paramita Das, Agniv Adhikari and Abhik Mukherjee
114	Correlation Tool for Nextgen SoN Networks	Roshan Nair and Chaithanya Pramodh Kasula
126	Lossless Video Compression Using Bayesian Networks and Entropy Coding	Rochan Venkat Avlur and Chandrasekar Vaidyanathan
159	Key-Frame based Event Recognition in Unconstrained Videos using Temporal Features	Prithwish Jana, Swarnabja Bhaumik and Partha Pratim Mohanta
64	A Comparison of Machine Learning Algorithms to Estimate Effort in Varying Sized Software	Tanziar Rahman and Md. Motaharul Islam
121	Effect of Cognitive Load on a Random Sequence Generation Task	Rahul Gavvas, Debatri Chatterjee, Aniruddha Sinha and Sanjoy Kumar Saha
146	Unobtrusive Smart-Watch Based Approach for Assessing Mental Workload	Dibyanshu Jaiswal, Arijit Choudhry, Debatri Chatterjee and Rahul Gavvas

Hall 3: Track - X : Signal and System		
Paper ID	Paper Title	Authors' Name
214	EEG Signal Based Cognitive System for Controlling Home Appliances and Generating Speech Command	Mohammad Muntasir Hassan, Hasin Us Sami and Fariba Islam
237	Improved Arrhythmia Detection from Electrocardiogram	Priyanka Bera and Rajarshi Gupta
240	A First Derivative Based R-Peak Detection and DWT Based Beat Delineation Approach of Single Lead Electrocardiogram Signal	Soumyendu Banerjee
246	Analytical Model of a Multi-Resolution Sample rate re-configurable Decimator for SDADC	Annapurna Mondal, Sagnik Bhar, Supriyo Srimani and Hafizur Rahaman
257	Novel Realization of Second Order Inverse Bandreject Filter and Inverse Allpass Filter Using Operational Transresistance Amplifier	Subhasish Banerjee, Pulak Mondal and Mourina Ghosh
282	Texture Features for High-level Classification of Acoustic Scenes	Shefali Waldekar and Goutam Saha
291	Adaptive Fuzzy Low-pass Filter Based L1 Adaptive Controller	Roshni Maiti, Kaushik Das Sharma and Gautam

	Design for Twin Rotor MIMO System	Sarkar
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Hall 4: Track - XI : Power and Energy		
Paper ID	Paper Title	Authors' Name
160	An Improved Fault Ride-through of Grid Integrated Solar PV system	Srujan Doragari, Arghya Mitra and Ghanasyam P
164	Selection procedure of Z-network parameters for a SVPWM Voltage-fed ZSI under varying input voltage conditions with simulated performance	Debalina Nanda, Prasid Syam and Kaushik Mukherjee
179	Improvement of Environment Friendly Solar Electric Cooking System	Ayesha Akter, Md. Minhaz Masrur Haque, Sheikh Faiyaz Ahmed, Sams Shafiul Amin and A. M Azad
181	Review on Fault Management in Hybrid Microgrid	Payal Dahiwalé and Naran Pindoriya
189	Performance Comparison of STATCOM and BESS for Restoring Voltage Under Post Fault Scenario	Ata E Rabbi, Shaila Arif and Tareq Aziz
196	Ata E Rabbi, Shaila Arif and Tareq Aziz	Nahid Al Masood, Md. Iqbal Asif, Ahmed Manavi Alam, Shohana Rahman Deebea and Tareq Aziz
198	Risks of Cascading Contingencies in Islanded Operation of a Renewable Integrated Microgrid	Tareq Aziz, Nahid Al Masood, Shohana Rahman Deebea, Shaila Arif and Ata E Rabbi

Hall 5: Track - XII : Communication Systems		
Paper ID	Paper Title	Authors' Name
239	Eigenvalue Spread based Improved VSSALMS Algorithm for Antenna Beamforming using Digital Signal Processor	Duppala Venkata Ramana, Iti Saha Misra and Salil Kumar Sanyal
242	EAARG(Energy Aware Allocation of Resources using Game Theory) Approach for Multi-hop Cognitive Radio Network	Shyleshchandra Gudihatti K N, S H Manjula and Venugopal K R
244	MDC-RSA: A novel online survivable RSA technique in data center oriented EON	Smita Paira, Joy Halder and Uma Bhattacharya
280	STLDAS: Secure Two Level Deduplication and Auditing of Shared Data in Cloud	Geeta Mara, Mithila Lakshmi G, Shreyas Raju R G, Raghavendra S, Rajkumar Buyya, Venugopal K R, S S Iyengar and L M Patnaik
283	Extremely Low Effective Material Loss Air Core Photonic Crystal Fiber for THz Guidance	Md. Moshir Rahman, Farhana Akter Mou, Mohammed Imamul Hassan Bhuiyan and Mohammad Rakibul Islam
285	An Intelligent Privacy Preserving Vehicle Navigation System	Barnana Baruah and Subhasish Dhal

Saturday 8th June, 2019 14:00 - 15:30 hrs.

Hall 2: Track - XIII : Machine Learning and Data Analytic		
Paper ID	Paper Title	Authors' Name
178	Study of Recurrent Neural Network models used for evaluating Numerical Expressions	Isha Ganguli, Rajat Subhra Bhowmick and Jaya Sil
199	Real-Time EEG Classification of Voluntary Hand Movement Directions using Brain Machine Interface	Md. Ochiuddin Miah, Sakib Shahriar Khan, Swakkhar Shatabda, Khondaker Abdullah Al Mamun and Dewan Farid
250	Population based study on arsenic induced blood samples employing hybrid metaheuristic optimization based ML approach	Anirban Dey, Kaushik Das Sharma, Tamalika Sanyal, Pritha Bhattacharjee and Pritha Bhattacharjee
251	A Univariate Feature Selection Approach for Finding Key Factors of Restaurant Business.	Md. Razaul Haque Subho, Md. Ridowan Chowdhury, Dipankar Chaki, Samiul Islam and Md. Maruf Rahman
264	Cross-Domain Transfer Learning for Complex Emotion Recognition	Oruganti V Ramana Murthy and Nagarajan Bhalaji
270	Analyzing the difference between deep learning and machine learning features of EEG signal using clustering techniques	Anushri Saha, Sachin Rathore, Shivam Sharma and Debasis Samanta
292	NCS based ultra low power optimized machine learning techniques for image classification	Naman Tiwari and Koushik Mondal

Hall 3: Track - XIV : Computational Biology and Biomedical Informatics		
Paper ID	Paper Title	Authors' Name
7	Two-Sided Implicit Euler based Super-Diffusive Model for Benign Tumor Segmentation	Saroj Kumar Chandra and Manish Kumar Bajpai
77	A Statistical Method for Prediction of Liver Disease based on the Brownian Motion Model	Samya Muhuri, Ananya Sarkar, Sambhabi Chakraborty and Susanta Chakraborty
169	A Classification-based Approach to Prediction of Dengue Virus and Human Protein-Protein Interactions using Amino Acid Composition and Conjoint Triad Features	Lopamudra Dey and Anirban Mukhopadhyay
192	Block-level cross diagonal texture matrix-based feature extractor for digital mammogram classification.	Anirban Manna, Govind Chandak, Rohit Mundada, Subash Chandra Manohari, Figlu Mohanty and Suwendu Rup
195	Identification of Four miRNAs by Analysing Multi-View miRNA-seq Data of Stomach Cancer	Somnath Rakshit, Namrata Pant, Sushmita Paul and Indrajit Saha
273	Electrohysterography based Preterm Birth Classification in the CEEMDAN Domain	Irtiza Hasan, Auditi Das and Mohammed Imamul Hassan Bhuiyan
279	Classification and Prediction of Cardiovascular Autonomic	Bitan Pratihari and Madhusree Kundu

	Neuropathy severity using Fuzzy LogicBased Expert System	
303	Phase-Synchrony And Causality Analysis Of Brain Signals To Determine Signal Transduction Pathways In Color Perception	Saptak Ghosal, Biswadeep Chakraborty, Mousumi Laha and Amit Konar
145	Global behavior of a within-host viral dynamic model with non-cytolytic cure effect	Mausumi Dhar, Shilpa Samaddar and Paritosh Bhattacharya

Hall 4: Track - XV: Control Systems and Applications		
Paper ID	Paper Title	Authors' Name
18	Analysis of Initial Undershoot in Step Response of Type-1 Nonminimum Phase Systems	Soumyadeep Bose, Yogesh Hote and Sandeep Hanwate
81	Performance Analysis of a Conical Tank System using Lyapunov based MRAC Technique	Santanu Mallick and Ujjwal Mondal
106	Relative Degree Two Discrete Time Sliding Mode Speed Tracking Control of a DC Motor	Jagannath Samantaray and Sohom Chakrabarty
180	Hybrid Aperiodic Control of Distributed Networked Nonlinear Systems	Kritika Bansal and Pankaj Mukhija
190	Modified Least-Square based Model Reduction using Time Moments and Markov Parameters	Lalit Kumar
211	Bus clamped Space Vector Pulse Width Modulated Direct Torque Control of Induction Motor	Antony K Peter and Jaison Mathew
259	Design of an adaptive estimator for tracking football in flight	Sarbamoy Mallick, Pritam Pathak and Abhik Mukherjee
260	Output Feedback based Adaptive Control for Fractional Order Inverted Pendulum on Cart in NSOF Domain	Debasish Biswas, Kaushik Das Sharma and Gautam Sarkar

Hall 5: Track - XVI: Power and Energy		
Paper ID	Paper Title	Authors' Name
205	Congestion Management Using Demand Response in Smart Distribution System	Kamakshi Prashadini Swain and Mala De
206	The Technical Impact of Increase in Penetration Level of DG Technologies on Power System	Duppala Deepika
231	Transient Stability evaluation of a Solar PV Integrated Industrial Microgrid	Ferdous Irtiaz Khan and Tareq Aziz
238	Sensorless Prediction of Equivalent Circuit Parameters and Losses of a Squirrel Cage Induction Motor using PSO	Diptarshi Bhowmick and Suparna Kar Chowdhury
241	Harmonics Assessment of a Cascaded Multilevel Inverter using Salp Swarm Algorithm	Srikanta Dash, Byamakesh Nayak and Pakedam Lare
254	Development of NAN for Energy Monitoring System using ZIGBEE	Rakesh Das and Jitendra Bera

255	Co-ordinated frequency support of Solar-field/Wind based Independent Hybrid Micro-grid System using WOA optimized single Controller	Abdul Latif and Dr. Dulal Chandra Das
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Saturday 8th June, 2019 16:00 - 17:30 hrs.

Hall 2: Track - XVII: Machine Learning and Data Analytic		
Paper ID	Paper Title	Authors' Name
118	A novel level set method for medical image segmentation	Soumen Biswas and Ranjay Hazra
171	An Approach towards Development of Brain Controlled Lower Limb Exoskeleton for Mobility Regeneration	Ganesh Roy, Dristanta Nirola and Subhasis Bhaumik
176	Learning to synthesize faces using voice clips for Cross-Modal biometric matching	Pranav Agarwal, Soumyajit Poddar, Anakhi Hazarika and Hafizur Rahaman
306	Predicting Depression in Bangladeshi Undergraduates using Machine Learning	Ahnaf Atef Choudhury, Md. Rezwan Hassan Khan, Nabuat Zaman Nahim, Sadid Rafsun Tulon, Samiul Islam and Amitabha Chakrabarty
318	Efficient Batch Top k Spatial Term Search by Feature Redundancy	Ramya R S, Naveen Raju G, Darshan M, Sejal D, Venugopal K R, Iyengar S S and Patnaik L M
324	Machine Learning Approach for ECG Analysis and Predicting Different Heart Diseases	Sushmita Roy Tithi, Afifa Aktar, Fahimul Aleem and Amitabha Chakrabarty

Hall 3: Track - XVIII: Power and Energy		
Paper ID	Paper Title	Authors' Name
268	MATLAB-Based GUI Development for the Detection and Localization of Faults in Transmission Line	Himadri Lala, Subrata Karmakar and Anubhav Singh
274	Comparison of Different Differential Coding based Algorithms Developed for Compressing Power System Operational Data	Subhra J. Sarkar, Palash K. Kundu and Gautam Sarkar
276	Dynamic Frequency Analysis of Hybrid Micro Grid through Electric Water Heater under Demand Response Scheme	Sudhanshu Ranjan, Dulal Chandra Das and Nidul Sinha
284	Classification of Power Quality Disturbances using Adaptive Variational Mode Decomposition based Random Vector Functional Link Network	Tatiana Chakravorti
287	A Modified Holomorphic Embedding Load Flow Method for Active Power Distribution Networks	Ujjal Sur, Amitava Biswas, Jitendra Nath Bera and Gautam Sarkar
289	Hybrid VSI Compensator for AC/DC Microgrid	Ginnes K John, Sindhu M R and T.N.P. Nambiar
300	A Comparative analysis of DSM based autonomous hybrid microgrid using PSO and SCA	Mausri Bhuyan, Dulal Chandra Das and Amar Kumar Barik

Hall 4: Track - XIX: Emerging Technologies		
Paper ID	Paper Title	Authors' Name
24	Human Activity Recognition using DTW Algorithm	Mohshi Masnad, G. M. Mukit Hasan, Kazi Md. Iftekhar and Md. Sadekur Rahman
116	Design of Micro-heaters Inspired by Space Filling Fractal Curves	Kumar Sai Charan Karnati, Seshadri Reddy Nagireddy, Rishabh Bhooshan Mishra and Aftab M. Hussain
157	Structural Modelling, Design Automation, and a Generalized Routing Technique for Digital Microfluidic Biochips with Hexagonal Electrodes	Amartya Dutta, Riya Majumder, Debasis Dhal and Rajat Kumar Pal
226	Braille Gloves: An Intelligent Hand-Glove to Generate Bengali Braille Characters for Visually Impaired People	Avijit Hazra and Mohammed Moshikul Hoque
235	An Adaptive Video-based Vehicle Detection, Classification, Counting, and Speed-measurement System for Real-time Traffic Data Collection	Amit Ghosh, Md. Shahinuzzaman Sabuj, Hamudi Hasan Sonet, Swakkhar Shatabda and Dewan Farid
281	Design-for-Trust Technique for Microfluidic Biochip Layout	Debasis Gountia and Sudip Roy

Hall 5: Track - XX: Power and Energy		
Paper ID	Paper Title	Authors' Name
123	Multi-Objective Optimization Based Resource Utilization with Loss Minimization in Microgrid	Dibya Bharti, Meera Sinha, Sukanya . and Mala De
155	Dielectric Characterisation of Epoxy-Alumina Nanocomposites with Cole-Cole Plot	Avinash Nelson Asokan, Jacob P Varghese, Joyce Jacob, Preetha P and Sunitha Karakkad
204	Use of Plasmonic Metal Core-Dielectric Shell Composite Nanoparticles Embedded within the Absorbing Layer to Enhance the Efficiency of Thin-Film Solar Cells	Nahid Ibn Ashraf, Mustafa Mohammad Shaky, Rashid Ahmed Rifat and Mustafa Habib Chowdhury
261	Design of an Off-Grid Solar Powered School for Village Community of India	Marzia Alam and Syed Taha Saleh
301	Data Driven Approach for Wide Area Generator Coherency Detection Using Synchrophasor Measurements	Dinesh Kumar Mahto, Dusmanta Kumar Mohanta and Fazle Kibriya
314	Neural Network Algorithm for Solving Economic Load Dispatch	Abhay Garg, Rohit Kumar, Soumyabrata Das, Priti Das, Rachna Bohra, Rohit Prajapati and Tanmoy Malakar
327	Studies on the effects of temperature on XLPE cable insulation through Polarization and Depolarization Current (PDC)	Arup Das, Arpan Pradhan, Sovan Dalai, Biswendu Chatterjee and Abhijit Mukherjee
329	Model Predictive Control of DMC based SST	Haris Ahmed and Avik Bhattacharya

