

8th IEEE Power India International Conference



PIICON 2018

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

10 – 12 December, 2018



CONFERENCE SCHEDULE

Day 1: 10 th December 2018 (Monday)			
Time	Venue		
09:00 am-10:00 am	Senate Hall	Registration	
10:00 am-11:30 am		Inauguration	
11:30 am -12:00 pm		Tea	
12:00 pm -12:45 pm		Keynote Address	
12.45 pm -01:15 pm		Industry Session	
01:15 pm -02:30 pm	Guest House	LUNCH	
02:30 pm -03:15 pm	Department of Electrical Engineering	Plenary Session 1 (E-222)	
03:15 pm -03:30 pm		Tea	
03:30 pm -05:00 pm		Technical Sessions (S1-S4)	
		S1 (Room E-222)	S2 (E-101)
07:30 pm -08:30 pm	Guest House	Conference Dinner	

Day 2: 11 th December 2018 (Tuesday)				
Time	Venue			
09:00 am-10:00 am	Department of Electrical Engineering	Plenary Session 2 (E-222)		
10:00 am-11:30 am		Technical Sessions (S5-S8)		
		S5 (E-222)	S6 (E-101)	S7 (E-201)
11:30 am -11:45 am		Tea		
11:45 am -01:15 pm		Technical Sessions (S9-S11)		
	S9 (E-222)	S10 (E-201)	S11 (E-202)	
01:15 pm -02:30 pm	Guest House	LUNCH		
02:30 pm -03:15 pm	Department of Electrical Engineering	Plenary Session 3 (E-222)		
03:15 pm -03:30 pm		Tea		
03:30 pm -05:00 pm		Technical Sessions (S12-S14)		
		S12 (E-222)	S13 (E-201)	S14 (E-202)

Day 3: 12th December 2018 (Wednesday)

Time	Venue			
09:15 am -09:45 am	Department of Electrical Engineering	Plenary Session 4 (E-222)		
09:45 am -11:15 am		Technical Sessions (S15-S17)		
		S15 (E-222)	S16 (E-201)	S17 (E-202)
11:15 am -11:30 am		Tea		
11:30 am -01:15 pm		Technical Sessions (S18-S20)		
		S18 (E-222)	S19 (E-201)	S20 (E-202)
01:15 pm -02:30 pm	Guest House	LUNCH		
02:30 pm -03:30 pm	Department of Electrical Engineering	Feedback Session & Valediction function (E-222)		
03:30 pm -04:00 pm		Tea		

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TECHNICAL SESSION DETAILS

Day 1: Dec 10, 2018 (03.30 p.m.-05.00 p.m.)			
Session 1: Power System Planning, Operation and Optimization - I			
Venue: Department of Electrical Engineering (E-222)			
Sl. No	Paper Id	Title of Paper	Authors
S1-1	1570498465	Long-Term Electrical Load Forecasting of Wolaita Sodo Town, Ethiopia using Hybrid Model Approaches	Nitin Kumar Saxena, Gebrehiwot Gebreyohans, Ashwani Sharma
S1-2	1570470238	Modeling and Optimization of Integrated Renewable Energy System for an Un-Electrified Remote Area	Dixit kumar Pathak, Dheeraj Kumar Khatod
S1-3	1570471614	Flexibility in Indian Grid Operation with High Penetration of Grid-Connected Renewable Energy	Subrata Mukhopadhyay, Sushil Soonee, Samir Chandra Saxena, Kvs Baba, S R Narasimhan, K V N Pawan Kumar
S1-4	1570472044	Short-Term PV Power Forecasting using Adaptive Neuro-Fuzzy Inference System	Harendra Yadav, Madan Mohan Tripathi, Yash Pal
S1-5	1570472242	Short Term Load Forecasting using SVM Models	Rizwan Khan, Chaman Dewangan, S Srivastava, Saikat Chakrabarti
S1-6	1570473401	Grid Resilience in Indian Power System	Subrata Mukhopadhyay, Sushil Soonee, Samir Chandra Saxena, Kvs Baba, S R Narasimhan, K V N Pawan Kumar

Day 1: Dec 10, 2018 (03.30 p.m.-05.00 p.m.)			
Session 2: Renewable Energy & Microgrid - I			
Venue: Department of Electrical Engineering (E-101)			
Sl. No	Paper Id	Title of Paper	Authors
S2-1	1570457011	An Improved Technique of Wind Power Harvesting with a Doubly Fed Induction Generator (DFIG)	Tapas Halder, Parijat Sain, Anindya Chatterjee, Wriiktik Balow
S2-2	1570487873	Grid Integration of a Multi-Objective Single Stage PV System using Tapped Delay Continuous Time LMS Based Control Technique	Syed Bilal Qaiser Naqvi, Shailendra Kumar, Bhim Singh

S2-3	1570466483	Performance Evaluation of PV Array under Dynamic Hard Shading Conditions	Ashwani Sharma, Akash Shrivastava, Ayush Raj, Ashok Hudda, Neeraj Chauhan
S2-4	1570467324	Cascaded Lattice Band Pass Digital Filter Based Control of Three Phase Grid Integrated PV-BES Microgrid	Shubhra Shubhra, Bhim Singh
S2-5	1570469540	An Efficient Solar Energized Water Pump using High Gain Boost Converter	Anjaneesh Mishra, Bhim Singh
S2-6	1570482387	Optimal Selection of DC Microgrid Architecture	Anmol Sharma, S Srivastava, S N Singh
S2-7	1570473354	Expert Fuzzy Logic Framework for Remotely Located Solar PV-Wind-BES Microgrid	Farheen Chishti, Shadab Murshid, Bhim Singh

Day 1: Dec 10, 2018 (03.30 p.m.-05.00 p.m.)			
Session 3 : Power Quality and Power Electronics - I			
Venue: Department of Electrical Engineering (E-201)			
Sl. No	Paper Id	Title of Paper	Authors
S3-1	1570489011	Power Quality Improvement by using DCC-ICC Unipolar CBPWM Based Shunt Active Power Filter	Shrikant Kumar Namdeo, Sushree Diptimayee Swain
S3-2	1570452444	Three Phase, 10 kVA Dual Conversion Type Automatic AC Voltage Regulator- An Approach based on Fuzzy Logic Controlled Ćuk Converter and PI Controlled Three Phase Inverter	Saptarshi Rakshit, Jayabrata Maity
S3-3	1570498782	Control of Split-Inductor Based Buck-Boost Converter	M Veerachary
S3-4	1570465699	Z-Source Inverter Based Solar-Power Driven PMBLDC Motor Drive	Menka Dubey, Shailendra Sharma, Rakesh Saxena
S3-5	1570466701	A New Three Phase 5L-UIPFC with Reduced Part Count for High Speed Gen-Set Applications	Naveen Yalla, Pramod Agarwal
S3-6	1570469716	Implementation of Pre-Filtering Based Adaptive Control for Solar PV System Tied to Weak Grid	Yashi Singh, Bhim Singh, Sukumar Mishra
S3-7	1570499083	A Maximum Correntropy Criteria Based Adaptive Algorithm for an Improved Power Quality SPV System	Gaurav Modi, Shailendra Kumar, Bhim Singh

Day 1: Dec 10, 2018 (03.30 p.m.-05.00 p.m.)			
Session 4 : Electric Vehicles			
Venue: Department of Electrical Engineering (E-202)			
Sl. No	Paper Id	Title of Paper	Authors
S4-1	1570472039	Improved Direct Torque Control for Induction Motor in Electric Vehicle Application	Ankit Raj, Rahul Sharma

S4-2	1570483625	A Vector Control Based Supercapacitor Current Control Algorithm for Fuel Cell and Battery-Supercapacitor Integrated Electric Vehicles	Devesh Malviya, Vivek Vardhan Joshi, Nishita Mishra
S4-3	1570486603	Interleaved Landsman Converter Fed EV Battery Charger with Power Factor Correction	Radha Kushwaha, Bhim Singh
S4-4	1570489500	A Comprehensive Review of Integrated Charger for On-Board Battery Charging Applications of Electric Vehicle	Ankit Kumar Singh
S4-5	1570492128	Solar PV Array-WECS Based Integrated EV Charging System with Dual Mode of Operation	Anjeet Verma, Bhim Singh
S4-6	1570494596	Experimental Analysis of the Voltage Pulsations at the Receiver's Side of a Dynamic Wireless Charging System for Electric Vehicles	Maxim Lu, Mehdi Bagheri, Anvar Khamitov, Batyrbek Alimkhanuly, Aidana Kalakova, Miras Maksut, Alex Pappachen James

Day 2: Dec 11, 2018 (10.00 a.m.-11.30 a.m.)			
Session 5: Power System Planning, Operation and Optimization - II			
Venue: Department of Electrical Engineering (E-222)			
Sl. No	Paper Id	Title of Paper	Authors
S5-1	1570483618	Selection of Input Features for Day-Ahead Electric Load Power Forecasting based on Artificial Neural Network Technique with Novel Framework in Matlab Environment - A Composite Approach	M Vetriselvi, Sukumar Mishra
S5-2	1570498427	Role of STATCOM in Mitigating Probabilistic Load Disturbances in Isolated Hybrid Electrical System	Nitin Kumar Saxena, Ashwani Sharma, Gebrehiwot Gebreyohans, Degu Mena, Wondimu Dawit
S5-3	1570491215	Transmission Congestion Management with FACTS Devices using BBO Algorithm	Brijesh Kumar Raw, Sanjay Kumar, Lalit Kumar
S5-4	1570491259	Congestion Management of Power System with Integration of Renewable Resources and Energy Storage System	Vijay Kumar Prajapati, Vasundhara Mahajan
S5-5	1570491348	Benefits of Committing Distributed Generation in Energy Market	Ritu Jain, Vasundhara Mahajan
S5-6	1570499050	Parameter and Loss Estimation of Three Phase Induction Motor from Dynamic Model using H-G Diagram and Particle Swarm Optimization	Diptarshi Bhowmick, Suparna Kar Chowdhury

Day 2: Dec 11, 2018 (10.00 a.m.-11.30 a.m.)			
Session 6 : Renewable Energy & Microgrid - II			
Venue: Department of Electrical Engineering (E-101)			
Sl. No	Paper Id	Title of Paper	Authors
S6-1	1570474716	Performance Evaluation of Islanded and Grid Connected Operation of Solar PV-Battery Based Universal Active Power Filter	Sachin Devassy, Bhim Singh
S6-2	1570477785	Power Management and Control of PMSG Based Hydro-PV-BES using CSTOGI Control Algorithm for Autonomous Micro-Grid	Vineet Chandran, Shadab Murshid, Bhim Singh
S6-3	1570478179	Recursive Least M-Estimate Based Control Algorithm for Grid Interfaced Solar PV System	Sunaina Singh, Seema Kewat, Bhim Singh, Bijaya Panigrahi, Manoj Kushwaha
S6-4	1570481580	Dual Mode Control of Grid Tied Solar PV-D STATCOM by utilizing Warped Digital Filter in Distribution System	Pavitra Shukla, Bhim Singh
S6-5	1570482269	SuDoKu and Optimal SuDoKu Reconfiguration for TCT PV Array under Non-Uniform Irradiance Condition	Sai Krishna, Tukaram Moger
S6-6	1570470239	Off-Grid Integrated Renewable Energy System Scheduling for an Un-Electrified Remote Area	Dixit Kumar Pathak, Dheeraj Kumar Khatod

S6-7	1570482831	Microgrid Economic Load Dispatch including Storage and Reserve	Neha Yadav, Deepak Kumar
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Day 2: Dec 11, 2018 (10.00 a.m.-11.30 a.m.)			
Session 7: Power Quality and Power Electronics - II			
Venue: Department of Electrical Engineering (E-201)			
Sl. No	Paper Id	Title of Paper	Authors
S7-1	1570469959	Power Quality Improvement in SyRG-PV-BES Based Standalone Microgrid using SOGI-WIF Control Algorithm	Rohini Sharma, Seema Kewat, Bhim Singh
S7-2	1570472216	An Algorithm based on Hilbert Transform and Rule Based Decision Tree Classification of Power Quality Disturbances	Rahul Saini, Om Prakash Mahela, Deepak Sharma
S7-3	1570472223	Detection and Classification of Complex Power Quality Disturbances using Hilbert Transform and Rule Based Decision Tree	Rahul Saini, Om Prakash Mahela, Deepak Sharma
S7-4	1570473802	Recognition of Power Quality Disturbances using Discrete Wavelet Transform and Fuzzy C-Means Clustering	Om Prakash Mahela, Umesh Sharma, Tanuj Manglani
S7-5	1570479057	Power Quality Improvement of Single Phase Grid Connected Hybrid Solar PV and Wind System	Tripurari Gupta, Shadab Murshid, Bhim Singh
S7-6	1570483144	AFLC Based Control Technique for Grid Interfaced Three Phase PV System	Vandana Jain, Bhim Singh

Day 2: Dec 11, 2018 (10.00 a.m.-11.30 a.m.)			
Session 8: Smart Grid, Communication, Instrumentation & Control - I			
Venue: Department of Electrical Engineering (E-202)			
Sl. No	Paper Id	Title of Paper	Authors
S8-1	1570483746	A Review on Residential Area Demand Response Analysis in Smart Grid Era	Subho Paul, Sachin Choudhary, Narayan Padhy
S8-2	1570483978	Model Predictive Driven Volt/VAr Control for Smart Grid Enabled CVR in Active Distribution Network	Shailendra Singh, Sunil Muwal, Devesh Shukla, S. P. Singh
S8-3	1570461074	Design and Implementation of Digital Energy Meter with Power Factor Measurement and Load Indication Feature	Sagar Venkateshwar Nemani, Divyanshu Shahi, I. K. Vibhav
S8-4	1570491539	Protocol for Smart Grid for Two-Way Communication	Geeta Yadav, Dheeraj Joshi, M. K. Soni
S8-5	1570493750	Synchrophasors Measurement Applications in Controlled Islanding and Restoration	Abul Khair, Mohd. Rihan
S8-6	1570494647	Smart Energy Controller for Energy management using IOT with Demand Response	Aadesh Arya, Ashwani Kumar, Saurabh Chanana

S8-7	1570494716	State Estimation with Optimal PMU Placement Considering Various Contingencies	Shubhrajyoti Kundu, Mehebab Alam, Siddhartha Sankar Thakur
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Day 2: Dec 11, 2018 (11.45 a.m.-01.15 p.m.)			
Session 9 : Power System Planning, Operation and Optimization - III			
Venue: Department of Electrical Engineering (E-222)			
Sl. No.	Paper Id	Title of Paper	Authors
S9-1	1570491556	Cost Effective Optimal Placement and Sizing of Active Power Filter using Grey Wolf Optimization in Radial Distribution System	Ashok Kumar Lakum, Vasundhara Mahajan
S9-2	1570491561	Analysis of Distribution Tariff Structures in the Presence of Non-Linear Load	Narinder Kumar, Ashwani Sharma
S9-3	1570491570	Contingency Assessment of Radial Distribution System	Himanshu Awasthi, Manbir Kaur
S9-4	1570494350	Frequency Regulation in PV Integrated Power System using MFO Tuned PIDF Controller	Mandeep Sharma, Raj Kumar Bansal, Surya Prakash, Sandeep Dhundhara
S9-5	1570467323	SVM Tuned NARX Method for Wind Speed & Power Prediction in Electricity Generation	Vijay Kumar, Yash Pal, Madan Mohan Tripathi
S9-6	1570491489	A Binary Differential Evolution Based Memetic Algorithm to Solve Profit Based Unit Commitment Problem	Jatinder Singh Dhaliwal, Jaspreet Dhillon
S9-7	1570484942	Prediction of Renewable Energy Sources in Different Parts of India using HOMER	Mamina Patel, Shelly Vadhera

Day 2: Dec 11, 2018 (11.45 a.m.-01.15 p.m.)			
Session 10 : Renewable Energy & Microgrid - III			
Venue: Department of Electrical Engineering (E-201)			
Sl. No.	Paper Id	Title of Paper	Authors
S10-1	1570490775	Inverter Control Strategy for Enabling Voltage and Frequency Regulation of Grid Connected PV System	Md. Ehtesham, Shahzad Rana, Shamshad Ali, Majid Jamil
S10-2	1570494653	Analysis of PV cell using gEDA and ngSPICE	Ritesh Kumar, Shelly Vadhera
S10-3	1570498033	Design and Simulation of Wind Turbine Emulator	Himani Garg, Ratna Dahiya, Navneet Sharma
S10-4	1570498146	A Robust CIM Based Control Approach for PVECS Interfaced to Local Distribution Network	Amresh Kumar Singh, Shailendra Kumar, Bhim Singh
S10-5	1570498586	Discrete Linear Phase Based MAF Control for Grid Tied Solar PV System	Sunil Kumar Pandey, Shailendra Kumar, Bhim Singh

S10-6	1570499008	Real Time Implementation of CLMS Algorithm in 3P4W Solar PV-BES Based Microgrid System	Vivek Narayanan, Seema Kewat, Bhim Singh
S10-7	1570499363	A Microgrid Based on Wind Driven DFIG, DG and Solar PV Array for Optimal Fuel Consumption	Sambasivaiah Puchalapalli, Shailendra Tiwari, Bhim Singh, Puneet Goel

Day 2: Dec 11, 2018 (11.45 a.m.-01.15 p.m.)			
Session 11: Power Quality and Power Electronics - III			
Venue: Department of Electrical Engineering (E-202)			
Sl. No.	Paper Id	Title of Paper	Authors
S11-1	1570483682	Cascaded H Bridge Multi Level Inverter Based Unified Power Quality Conditioner	Muneer V, Avik Bhattacharya
S11-2	1570483784	Control of Fifth-Order Buck-Boost Converter	M Veerachary, Vasudha Khubchandani
S11-3	1570483838	Hybrid Quasi-Z-source DC-DC Boost Converter	Punit Kumar, M Veerachary
S11-4	1570488736	Rotor Inter-Turn Short-Circuit Fault Diagnostics Relevant Modeling of Slip-Ring Induction Motor	SSSR Sarathbabu Duvvuri
S11-5	1570451743	Probability of the Pure Sine Wave in the Power Quality Issues for the Distribution.	Tapas Halder, Ishan Biswas, Bireswar Das, Writwik Balow
S11-6	1570489091	Performance Analysis of Cascaded Multilevel Inverter with Reduced Switched Topology	Durga Prasad Garapati, Jegathesan V, Praveen Kumar Nalli, Ramu Bhukya, Bommina Sravani Vijaya Bharathi, SSSR Sarathbabu Duvvuri

Day 2: Dec 11, 2018 (03.30 p.m.-05.00 p.m.)			
Session 12: Power Quality and Power Electronics - IV			
Venue: Department of Electrical Engineering (E-222)			
Sl. No.	Paper Id	Title of Paper	Authors
S12-1	1570490113	A New Multi Point Clamped Bi-Directional DC-DC Converter for Renewable Energy Integration	Naveen Yalla
S12-2	1570490462	Design and Performance Analysis of Low Cost Acoustic Chamber for Electric Machines	Rajesh M. Pindoriya, Bharat Singh Rajpurohit, Rajeev Kumar
S12-3	1570494707	Design and Control of Wind Integrated Shunt Active Power Filter to Improve Power Quality	Ravinder Kumar, Hari Om Bansal

S12-4	1570491277	Comparative Study of DC/DC Bidirectional SEPIC Converter with Different Controllers	Jayadev Meher, Arnab Ghosh
S12-5	1570491532	Effect of Mutual Coupling on CCM/DCM Boundary in Single Input Dual Output Boost Converter	Nupur, Shabari Nath
S12-6	1570492894	Design and Comparative Analysis of Fractional Order Controllers for CUK Converters	Omar Hanif, Shipra Tiwari, Zeeshan Rayeen

Day 2: Dec 11, 2018 (03.30 p.m.-05.00 p.m.)			
Session 13 : High Voltage Engineering			
Venue: Department of Electrical Engineering (E-201)			
Sl. No.	Paper Id	Title of Paper	Authors
S13-1	1570483175	Development of a Prototype to Study the Effect of Moisture and Temperature on Breakdown Voltage of Transformer Oil	Rajat Sahore, Prasenjit Basak
S13-2	1570484008	Enhancement of Heat Transfer Property in Insulating Fluids using Nanoparticles	Niharika Baruah, Mrutyunjay Maharana, Sujita Dey, Sisir Kumar Nayak
S13-3	1570490380	Investigation of Water Drop on Silicone Rubber Insulator for High Voltage Transmission Line using FEM	Vinit Srivastava, Bharat Singh Rajpurohit, Manbir Kaur
S13-4	1570490720	Numerical Analysis of Water Drop on Silicone Rubber Insulator for High Voltage Power Transmission Line	Vinit Srivastava, Bharat Singh Rajpurohit, Manbir Kaur
S13-5	1570494821	High Voltage and Its Applications: A Review	Atma Ram Gupta, Abhishek Bharagv, Rajiv Kumar, SaloniTapan, Lavkush Gupta

Day 2: Dec 11, 2018 (03.30 p.m.-05.00 p.m.)			
Session 14: Power System Monitoring, Protection & Stability - I			
Venue: Department of Electrical Engineering (E-202)			
Sl. No.	Paper Id	Title of Paper	Authors
S14-1	1570458625	Detection and Classification of Transmission Line Faults using Empirical Mode Decomposition and Rule Based Decision Tree Based Algorithm	Balvinder Singh, Om Prakash Mahela, Tanuj Manglani
S14-2	1570466349	Protection Coordination in Grid Connected and Islanded Mode of Microgrid	Adhishree Srivastava, Jayant Mani Tripathi, Abhinav Sinha, Sanjoy Kumar Parida

S14-3	1570464456	Study Results for Preventing Power Outages Utilizing Battery Energy Storage Systems	Koji Sasaki, Hachidai Ito, Yasuhiro Yokosawa, Keisuke Yanagiuchi, Shinichi Kusagawa, Vishwas Kale
S14-4	1570481602	LMI Based Coordinated Design of PSS and STATCOM Damping Controller for Stability Enhancement	Aman Ganesh, Ratna Dahiya
S14-5	1570482475	Short Circuit Studies on a Distribution System Integrated with Various Distributed Generations	Kandukuri Surendra, Chintamani Vyjayanthi
S14-6	1570483998	A New Transmission Line Differential Protection based on Fault Current DC Transients	Adharapurapu Hema Latha, Ravikumar Bhimasingu, Sobhan BabuKatta
S14-7	1570481756	Locating Source of Oscillation using Mode Shape and Oscillating Energy Flow Techniques	Rajiv Jha, Nilanjan Senroy

Day 3: Dec 12, 2018 (09.45 a.m.-11.15 a.m.)			
Session 15: Power System Monitoring, Protection & Stability - II			
Venue: Department of Electrical Engineering (E-222)			
Sl. No.	Paper Id	Title of Paper	Authors
S15-1	1570493844	Power Flow Management for Grid Stability using TCSC Device	Jasjeet Singh, Yajvender Pal Verma
S15-2	1570494370	Hilbert-Huang Transform Based Islanding Detection Scheme for Distributed Generation	Bokka Krishna Chaitanya, Anamika Yadav
S15-3	1570485461	Detection of Open Circuiting of Secondary Winding of Current Transformer using Combined Feature of Hilbert Transform and Stockwell Transform	Om Prakash Mahela, Himmani Joshi, Deepak Sharma, Shuvam Sahay
S15-4	1570494572	Identification of Three Zones of Mal-Operations in Series Capacitor Compensated Transmission Network	K Omkar, J Upendra, SSSR Sarathbabu Duvvuri
S15-5	1570494816	Improvising Differential Protection Scheme to Differentiate Between Internal and External Fault in Presence of Charging Current	Rishabh Narendra Jain, Saumendra Sarangi, Suryanarayana Gangolu
S15-6	1570498133	Microgrid Short Circuit Studies	Manohar Singh, Hemavathi S
S15-7	1570491051	Cogent Fault Diagnosis of Photovoltaic-Fed Single-Phase Supply System	Vivek Sharma, Nitin Sundriyal, Akshay Kumar, Ashutosh Dixit

Day 3: Dec 12, 2018 (09.45 a.m.-11.15 a.m.)			
Session 16 : Renewable Energy & Micro-Grid - IV			
Venue: Department of Electrical Engineering (E-201)			
Sl. No.	Paper Id	Title of Paper	Authors
S16-1	1570483943	PV Fed Separately Excited DC Motor with a Closed Loop Speed Control	A Narendra, Venkataramana Naik N, Nishit Tiwary
S16-2	1570490677	Performance Analysis of Standalone PV System at Varying Loads	Vaishali Girdhar, Shelly Vadhera, Monika Mittal
S16-3	1570491199	Performance Analysis of PV Trackers for Remote Rural Electrification	Kusum Tharani, Ratna Dahiya
S16-4	1570491322	A Low Ripple Load Regulation Scheme for Grid Connected Microgrid Systems	Sambit Panda, Arnab Ghosh
S16-5	1570491382	Quantitative Analysis of IC Engine Waste Heat Utilization in Biogas Sludge Digester	Praval Gupta, K. A. Subramanian
S16-6	1570466857	Application of Renewable Energy Sources as Compensator in Power System	Shivam, Ratna Dahiya
S16-7	1570492118	A PWM-Based Sliding Mode Voltage Control of DC-DC Boost Converter for DC Microgrid	Prashant Singh, Jagdeep Singh Lather

Day 3: Dec 12, 2018 (09.45 a.m.-11.15 a.m.)			
Session 17: Power Quality and Power Electronics - V			
Venue: Department of Electrical Engineering (E-202)			
Sl. No.	Paper Id	Title of Paper	Authors
S17-1	1570493659	Performance Analysis of Grid-Connected Three-Phase Three-Level NPC Inverter	Ravina Kharedia, Rupanshi Batra
S17-2	1570498138	Abridged Methodology Development for Analyzing Transformer Winding during Lightning Surges	Gaurav Dhiman, Ram Krishna Mishra, Grupesh Tapiawala
S17-3	1570498784	Enhanced Forced Convection Heat Dissipation in Power Electronics Systems by Copper Metal Foam	Kishor Ramraoji Borakhade, Ashish Mahalle
S17-4	1570490465	Performance Improvement with Fuzzy Logic Controller for Generator Control in Wind Energy System	Sanjay Dewangan, Navin Kumar, Giribabu Dyanamina
S17-5	1570498214	Design of a Passive Damped Filter for Harmonic Reduction in Multilevel Inverters used in PV Applications	Meenakshi Jayaraman, Vellithiruthi Thazath Sreedevi
S17-6	1570490265	Three-Phase Four-Leg Four-Wire Topology in High Power Factor Converter Addressing the Problem of Unbalanced Source Currents	Pandry Narendra Rao, Jayaram Nakka

Day 3: Dec 12, 2018 (11.30 a.m.-1.15 p.m.)			
Session 18 : Power System Planning, Operation and Optimization - IV			
Venue: Department of Electrical Engineering (E-222)			
Sl. No.	Paper Id	Title of Paper	Authors
S18-1	1570494570	Reconfiguration of Distribution Network for Power Loss Minimization & Reliability Improvement using Binary Particle Swarm Optimization	Vasundhara Mahajan, Nitish Kumar
S18-2	1570494602	Consumer Participation Based Scheduling of Microgrid System in Electricity Market	Deepak Kumar, Yajvender Pal Verma, Rintu Khanna
S18-3	1570494840	PV/QV Curve Based Optimal Placement of Static Var System in Power Network using DigSilent Power Factory	Neha Manjul, Mahiraj Singh Rawat
S18-4	1570498368	Meta-Heuristic Approaches for Solving Automatic Generation Control Problems: A Brief Review	Amita Singh, Veena Sharma, Vineet Kumar
S18-5	1570494809	Impact of storage device on Load frequency control of a two-area renewable penetrated power system	Pankaj Jood, Sanjeev Aggarwal, Vikram Chopra
S18-6	1570490938	Optimum Sizing and Techno-Economic Analysis of Grid-Independent PV System Under Different Tracking Systems	Om Krishan, Sathans Suhag

S18-7	1570494331	Analysis of Distributed Energy Management Scheme for Residential Consumers using Non-Cooperative Game	Monika Gaba, Saurabh Chanana
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Day 3: Dec 12, 2018 (11.30 a.m.-1.15 p.m.)			
Session 19: Smart Grid, Communication, Instrumentation & Control - II			
Venue: Department of Electrical Engineering (E-201)			
Sl. No.	Paper Id	Title of Paper	Authors
S19-1	1570490123	Effect of Sampling Interval over the Performance of Utkin Observer	Parijat Prasun, Biswajit Halder
S19-2	1570491462	Simultaneous Control of Position and Vibration of Flexible Link Manipulator by Nature-Inspired Algorithms	Vijay Kumar Singh, Jyoti Ohri
S19-3	1570474540	Quadratic Linearization of STATCOM	C E Geetha Devi, R. Devanathan
S19-4	1570480456	Continuous Sliding Mode Controller Design for Light Weighted Hybrid Electric Vehicle	Bhanu Pratap, Sangeeta Singh
S19-5	1570481550	ECG Signal Analysis: Past, Present and Future	Varun Gupta, Monika Mittal
S19-6	1570482576	Application of Kalman Filter in GPS Position Estimation	Akash Deep, Monika Mittal, Vikas Mittal
S19-7	1570471657	Design of Encoder Simulator to Augment Data Acquisition for 4-Dimensional Rotary Table in Thermal Vacuum Chamber	Anyuti Tiwary, Deepak Kumar, S. K. Jain

Day 3: Dec 12, 2018 (11.30 a.m.-1.15 p.m.)			
Session 20 : Power System Monitoring, Protection & Stability - III			
Venue: Department of Electrical Engineering (E-202)			
Sl. No.	Paper Id	Title of Paper	Authors
S20-1	1570484002	Vulnerability of Intelligent Electronic Devices (IED) to Time Synchronization Spoofing in Power Grid and Jamming of GNSS Receiver	Neeraj Seth, Faruk Kazi
S20-2	1570485458	Detection of Saturation of Core of Current Transformer using Combined Feature of Hilbert Transform and Stockwell Transform	Om Prakash Mahela, Himmani Joshi, Deepak Sharma, Shuvam Sahay
S20-3	1570498090	Wind Turbine Condition Monitoring for Rotor Faults using MCSA	Himani Garg, Ratna Dahiya
S20-4	1570489495	A Technique using Stockwell Transform Based Median for Detection of Power System Faults	Sheesh Ram Ola, Amit Saraswat, Sunil Goyal, Sharwan Jhahharia, Om Prakash Mahela
S20-5	1570491497	Adaptive Overcurrent Relay Setting for Distribution System using Superconducting Fault Current Limiters	Kirti Gupta, Saumendra Sarangi

S20-6	1570494540	Fault Identification of Double Circuit Transmission Lines using Phasor Measurement Unit	Surinder Chauhan, Ratna Dahiya
S20-7	1570491557	Modelling of Power System Stabilizer for Double Fed Induction Generator based Wind Power System	Jawaharlal Bhukya, Vasundhara Mahajan