



ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND
BIOINFORMATICS-2017 (AEEICB - 2017)

Date: 27.02.17

Session: AN(IPM-3.30PM)

Track: EEE Venue: NIWE(Collaboration Building) Area: Renewable energy/Power electronics & drives

Invited Talk: Advancement in SCADA Control:

Chair Person: Er.Saravanan, SCADA Control,TNEB,Chennai

Co-chair: Mr.Krishnakumar, Dept of EEE, PEC.

Co-Ordinators:Ms.Jothi,,Ms M.Preetha, PEC.

S.No	ID	Authors	Title of the paper	College
1	28	Umesh Pagrut, A. S. Sindekar, Sagar Lachure and Jaykumar Lachure	Performance of 125 Watt PV Module Using MATLAB-Simulink	Department of Electrical Engineering, Govt. College of Engineering, Amravat. C T Department Ycce Nagpur, India
2	40	Kirthika Devi and Srivani S	Modified phase-shifted PWM for cascaded H-Bridge Multilevel Inverter	AmritaVishwa Vidyapeetham, Amrita School of Engineering, R V College of Engineering, Bengaluru
3	43	Bandan Kumar Panigrahi and Dr P R Thakura	Implementation Of MPPT With CUK Converter	BIT, MESRA, India
4	46	Rajanand Patnaik Narasipuram	Advanced Seven Level Transformer-Less Multilevel Inverter Topology for PV Applications	vignan's lara institute of tech, India
5	49	Niharika Deshpande, R. D. Chavhan and Nalinita Deshpande	Coupled inductor based Single-Input Multiple-Outputs Boost Converter	Sardar Patel College of Engineering, India
6	53	Ramalingam Malathi and Marimuthu Rathinakumar	Comparison of PV based Embedded Z-Source Inverter fed Three Phase Induction Motor with PI Controller and PID Controller based closed loop systems	SCSVMV University, India.
7	71	Mriganka Ghosh Majumder, Prabir Ranjan Kasari, Bikram Das and Abanishwar Chakraborti	Solar Photovoltaic Array Based Multilevel Inverter for Power Conditioning In Four-Wire Distribution System	National Institute of Technology, Agartala, India
8	84	Udayanga Hemapala, Dilum Hettiarachchi, Heshan Hasaranga, R.D.T.M. Hemarathne, M.D.C.P.K. Mahawithana and M.G.A.B.N Sandanuwan	A Fuzzy Logic based Battery SOC Level Control Strategy for Smart Micro Grid	University of Moratuwa, Sri Lanka

9	101	Renuka Kurhade, Archana Sharma and P. C. Saroj	Implementation of Fast Trigger Generator for High Coulomb Spark Gap Switching	Sardar Patel College of Engineering, Bhabha Atomic Research Center, India.
10	109	Ravishankar A N, Dr. Ashok S and Dr. Kumaravel S	Effects of Demand Side Management & Storage on Renewable Energy Penetration to the Grid	National Institute of Technology Calicut, India



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Date: 27.02.17

Session: AN(1PM-3.30PM)

Track: EEE Venue: NI Lab(Collaboration Building) Area: Power Control Systems & machines

Invited Talk: Modeling and control of MIMO System Using Relay Feedback

Chair Person: Dr.D.Kalpana

Professor/EEE,MIT,Chennai

Co-chair: Dr. M. KalaiMurugan, , PEC

Co-Ordinators:Ms.Suvitha,,Ms R.Karthika, PEC.

S.No	ID	Authors	Title of the paper	College
1	20	Tushar Deokar, Onkar Salunkhe, Ganesh Ankalgi and Vishal Kare	Ultra fast acting electronic circuit breaker for overload protection	SBPCOE Indapur Pune Maharashtra, India
2	22	Vaibhav Deshpande and Mohit Talele	Nanotechnology Enabled Hybrid Power System Suitable for batteries in Hybrid Electric vehicle.	G.E.S.R.H.Sapat College of Engineering and Research, Nashik, Maharashtra, Pin-422005
3	30	Shreya Salvi and A.P. Paranjape	Comparison of Different Types of Raschig Rings	P.E.S. College of Engineering, Aurangabad, Maharashtra
4	47	Sandeep Ushkewar, Suraj Chaube, Nikhil Komawar, M.Salman Ansari and Nirbhay Tirpude	Controlled Islanding Scheme for Power System Protection: Guidelines and Approach (Case Study: Proposed Bhopal Islanding Scheme)	VJTI Mumbai
5	56	Fatma Moustafa, Ahmed El-Rafei, Niveen Badra and Almoataz Abdelaziz	Application and performance comparison of variants of the firefly algorithm to the economic load dispatch problem	Department of Mathematics, Faculty of Basic sciences, German University in Cairo, Egypt
6	58	Pasan Gunawardena, Geeth Bodhinayake and Udayanga Hemapala	Development of a Multi Agent System for Voltage and Outage Monitoring	University of Moratuwa, Sri Lanka
7	80	Subhojit Dawn, Sadhan Gope, Prashant Kumar Tiwari and Arup Kumar Goswami	Impact of Social Welfare with Enhancement of Demand Side Bidding in Deregulated Power Market	National Institute of Technology Silchar, India
8	85	Sanath Saralaya and Manjunatha Sharma K	Performance Analysis of Three Leg DSTATCOM Under Distributed Generation and Fault Scenario	National Institute of Technology, Karanataka, Surathkal, India
9	88	Maharshi Gohil and Amit Sant	5-Level Casaded Inverter Based D-STATCOM with LPF-BPF Fundamental Active Current Extractor	Pandit Deendayal Petroleum University, India

10	115	Dibyendu Khan and Sankhadip Saha	Neural Network based Cycloconverter Fault Detection using Wavelet Decomposition	Netaji Subhash Engineering College, India
11	137	Chaitanya S, Rajanand Patnaik Narasipuram and Murthy Dr. K. V. S.R.	A Novel Seven Level Symmetrical Multilevel Inverter Topology	Aditya engineering college, india.
12	151	R Saravanakumar	M Energy Audit Reports	SASTRA university, India
13	152	Karthikeyan .V	Performance Analysis Of Standalone Photovoltaic System	SASTRA university, India



PRATHYUSHA ENGINEERING COLLEGE



ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND
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Date: 28.02.17

Session: FN

Track: EEE Venue: NILab(Collaboration Building)

Area: Power Control Systems & machines

Invited Talk: Power Quality- Lower Power train

Chair Person: Dr.G.Saravanan, Group Manager, Caterpillar, India pvt Ltd., Tiruvallur – 602025.

Co-chair: Mr.Krishnakumar, Dept of EEE, PEC.

Co-Ordinators:Ms.Jothi,,Ms ShanthiniMerlin, PEC.

S.No	ID	Authors	Title of the paper	College
1	103	Alok Singh	An Approach Towards Effective Power Oscillation Damping with Deployment and Tuning of AVR,and PSS	POSOCO(ERLDC), India.
2	104	Asokan Sivan and Ravindran Mariappan	Analysis and Modelling of Thermal Plant Pollution Performance in H.T Ceramic Post Insulator with Epoxy Resin Coatings	National engineering college,Kovilpatti. Thoothukudi dt, India
3	106	Deepa P and Rajendran Sivakumar	Synthesis of Heuristic Control Strategies for Liquid Level Control in Spherical Tank	St. Joseph's college of engineering, india
4	107	Narayani A, Willjuice Iruthayarajan M and Bakruthen M	A Statistical Study On The AC Breakdown Voltage Of Corn Oil And Mineral Oil For Liquid Insulation	National Engineering College, india
5	129	Nagaraj C and Dr.K.Manjunatha Sharma	Harmonic Current Compensation ECEImprovement at PoinECEt of Common CouplingEEE Using Hybrid NaturCSEal Green Sources ECE	NITK Surathkal, India
6	141	Dipak Parmar and Bhargav Vyas	Pattern recognition based fault classification for teed transmission line	L.E.College Morbi, India
7	143	Abhinav Khandekar and Jagdish Chaudhari	Modified integration method to estimate stator flux in induction motor with offset error.	G.H. Rasoni college of engg., Nagpur, India
8	155	Priyanka Kubade and Shradha Umathe	Enhancing an elevator efficiency by using supercapacitor	G.H.Rasoni College Of Engineering, India
9	157	Pratik Dhabe and Shrikrishna Tarnekar	Comparison of Ultra-capacitor and Hybrid Ultra-capacitor	G. H. Rasoni college of engineering, Nagpur, India
10	160	Roopali Edke and Ramchandra Adware	Improving The Dynamic Performance Of Three Phase Induction Motor By Using Ultra Capacitor	GHRCE, India

