

2017 International Conference on Advances in Electrical Technology for Green Energy (ICAETGT 2017)

**Coimbatore, India
23 September 2017**



**IEEE Catalog Number: CFP17M40-POD
ISBN: 978-1-5386-2139-4**

**Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP17M40-POD
ISBN (Print-On-Demand):	978-1-5386-2139-4
ISBN (Online):	978-1-5386-2138-7

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

LIST OF PAPERS

TRACK – 1 : ENERGY SYSTEM INTEGRATION AND OPTIMIZATION

- | | | |
|---|--|------|
| 1 | Optimal Capacitor Placement and Sizing in Distribution System Using Hybrid Approach of PSO-GA
<i>Garvita Upadhyay , Rachit Saxena, Gaurav Joshi</i> | 0001 |
| 2 | Low Cost Fuzzy logic based Speed Control of BLDC Motor Drives
<i>K.S.Krishna Veni, Dr.N.Senthil Kumar, J.Gnanavadivel</i> | 0007 |
| 3 | Modeling and Performance Analysis of Perturb & Observe, Incremental Conductance and Fuzzy Logic MPPT Controllers
<i>Praful Raj M, Ann Mary Joshua</i> | 0013 |
| 4 | Honey Bee Mating Algorithm Based Location of UPFC for Voltage Stability
<i>R. Senthil Kumar, Dr. A. Jeevanandham</i> | 0019 |
| 5 | Hybrid Algorithm Based Location of UPFC for Voltage Stability
<i>K.M. Deepika Rani, Dr.A. Jeevanandham</i> | 0023 |
| 6 | A Virtual Model to Analyze Congestion in a Wireless Sensor Network (WSN)
<i>N. Thrimoorthy, Dr. T Anuradha, Abhishek Kumar</i> | 0028 |
| 7 | Low Power Adaptive Modulation Technique in Wireless Communication
<i>Mr.G. Manikandan, Dr. M.Anand</i> | 0033 |

TRACK – 2 : EMERGING GREEN ENERGY TECHNOLOGIES

- | | | |
|----|--|------|
| 8 | Single Bit Hybrid Full Adder Cell by Gate Diffusion Input and Pass Transistor Logic Technique
<i>Rishab Goyal, Sanjeev Sharma</i> | 0037 |
| 9 | Image Retargeting Based on Object Inpainting and Background Seam Carving
<i>M.Abhayadev, Dr.T.Santha</i> | 0043 |
| 10 | Investigation on PV Fed Hybrid Electric Vehicles with Various Power Electronic Circuits
<i>Kaleeswari M, Madheswaran M, Vijayakumar K</i> | 0049 |
| 11 | Power Factor Correction of Four Switch BLDC Motor Drive Using Bridgeless-CSC Converter
<i>Akshatha.R.Hegde, Meenakshi, Arun Kumar N, M Vishwanath Pai</i> | 0056 |
| 12 | Design and Analysis of Logic Gates Using Single Electron Nano-Devices
<i>S.Rajasekaran, G.Sundari</i> | 0064 |

LIST OF PAPERS

13	Performance Analysis of Conventional and Digital PWM Control Scheme for Speed Control of BLDC Motor Drives <i>Azarudeen A, Dolly Mary</i>	0069
14	Automatic Check-Post and Fast Track Toll System Using RFID and GSM Module with Security System <i>K. Balamurugan, Dr.R.Mahalakshmi, Dr.S.Elangovan, R. Pavithra</i>	0083
15	Automatic Multi Machine Operation with Product Sorting and Packaging by their Colour and Dimension with Speed Control of Motors <i>Mohd Shadman Rashid Ali, Mohd Shoib Ali</i>	0088
<u>TRACK – 3 : APPLICATIONS AND CONTROL OF GREEN ENERGY SYSTEMS</u>		
16	Power Factor Improvement of Agriculture Feeder by Using Capacitor Banks <i>Mr. Raskar Shivaji Kisan, Mrs. Pragati N. Korde</i>	0093
17	Integration of Solar PV - Micro Hydro Power System for Household Application <i>Mr.Rajadurai.M.J, Mr.Vimal amaladoss.J, Mr.Shaanmaadhuran.M, Mr.Gowri Sankar.S, Dr.V.Kirubakaran</i>	0110
18	Development of Micro Wind Turbine for Rural Livelihood Improvement <i>Mr. Sharma. S, Mr. Dhinesh. N, Mr. Vignesh. S, Mr. Pradeepkumar. K, Mr.Anto Anbarasu.Y, Dr.V.Kirubakaran</i>	0114
19	Real-Time Implementation of Phasor Measurement Unit Using NI CompactRIO <i>Anmol Dwivedi, K.T. Sai Akhil, N. Sai Suprabhath, B. Mallikarjuna, M. Jaya Bharata Reddy,D. K. Mohanata</i>	0120
20	Improving Transient Stability of Power System Using UPFC with PID and POD Controllers <i>E. Raajeshwar, Dr.A. Jeevanandham</i>	0127
21	Analysis of Transient Stability Using UPFC for Symmetrical Faults <i>PremKumar TG, Jeevanandham A</i>	0131
22	Damping out System Oscillations in Power System Using UPFC for Various Faults <i>R.Niveditha, Dr.A.Jeevanandham</i>	0135
23	Modified Multilevel Quasi Z Inverter for Solar Irrigation Systems with Improved Control Technique <i>T.Meenakshi, N.Suthanthira Vanitha</i>	0139
24	Recent Trends in Sustainable development of Renewable Energy <i>Dr.S. Elangovan</i>	0148