Fifth International Conference on Recent Trends in Power, Control and Instrumentation Engineering (PCIE 2017) and Fifth International Conference on Recent Trends in Communication and Computer Networks (ComNet 2017)

Bengaluru, India 15 – 16 September 2017

**Editors:** 

**Rajiv Pandey** 

ISBN: 978-1-5108-6083-4

## Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by Grenze Scientific Society All rights reserved.

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact Grenze Scientific Society at the address below.

Grenze Scientific Society Jyothi Nagar-48/1 Kesavadasapuram, Trivandrum - 695004

Phone: 0471-2360236

info@thegrenze.com

## 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

Email: curran@proceedings.com Web: www.proceedings.com

## Table of Contents

1. A Threshold Model to Realize user Class based Call Admission Control in Next Generation Wireless Networks Mahesh G, Prakash B Metre and Gowrishankar	1-4
2. A Novel Imbalance Learning Approach using in Excess and less than Sampling Surya Prasanthi L L, Kiran Kumar R and Kudipudi Srinivas	5-10
3. Seamless Handover Mechanism for the QoS Improvement in Mobile Wireless Sensor Networks  *Ranjith C N, Sajeevan K and Annapurna D*	11-15
4. Attendance Management System using Facial Recognition and Cloud based IoT Technology <i>Tarun Verma, Subramanya U S, Krishna R Dixit and Kayarvizhy N</i>	16-22
5. Design and Development of Multipurpose Smart Biogas Energizer for Generating Electricity Vinay kumar S B, Harish S, Prasanna Kumar C, Monica B V, Sachin B M and Ravi U S	23-29
6. Review of Demand of Net Banking and the Insight of Various Attacks and Threats to Customers and Applied Countermeasures  *Priti Saxena and Patel R B**	30-34
7. A Novel Approach for Compliance Assurance using IoT Ritz Sebastian and Shimmi Asokan	35-40
8. Modelling of Interleaved Buck Converter with Observer Controller for More Electric Aircraft Applications Nagamalleswararao Kamarajugadda and Shenbagalakshmi R	41-46
9. A Literature Survey on Control Strategies in a Microgrid Shraddha Gajbhiye	47-54
10. Performance Evaluation and Analysis of Engine Mounted High Speed Alternator Poonam Kumari, Prabakar V and Vishwanatha Rao A N	55-58
11. Comparative Analysis of PI, FOPI and Fuzzy Logic Controllers to Mitigate Voltage Sags Effects on an Induction Motors  Huchche V A, Patne N R and Junghare A S	59-64