

# International Journal of Electrical Energy

## CONTENTS

---

---

### Volume 1, Number 1, March 2013

Cadmium Selenide and Cadmium Telluride Based High Efficiency Multijunction Photovoltaics for Solar Energy Harvesting.....	1
<i>Sayed A. Anika Amin, Sartaz Tabinna Salim, K. M. A. Salam, and Mir Abdulla Al Galib</i>	
Integration of IEC 60287 in Power System Load Flow for Variable Frequency and Long Cable Applications .....	6
<i>X. Yuan, H. P. Fleischer, G. Sande, and L. J. Solheim</i>	
Design of Grid Connected Three-phase Inverter with Series Resonant Filter and Reduced Control over Synchronization and Real and Reactive Power Injection .....	12
<i>Daming Zhang and Eliathamby Ambikairajah</i>	
A Study on Daylight Integration with Thermal Comfort for Energy Conservation in a General Office.....	18
<i>Sandhyalaxmi G. Navada, Chandrashekara S. Adiga, and Savitha G. Kini</i>	
Windowed-sinc Band-pass Filter based Reference Signal Extraction for Grid Synchronization .....	23
<i>Daming Zhang, Toan Phung, John Fletcher, J.C. Chen, M. Jiang, and H. C. Niu</i>	
Analysis by Simulation of the Over-voltages in PWM-Inverter Fed Induction Motors .....	29
<i>Basavaraja Banakara</i>	
Analytical Model of Airgap Flux of Moving Coil Linear Generator .....	34
<i>Imran Fazal and Mohammad Noh Karsitti</i>	
Techno-Economic Evaluation of Power Factor Improvement Scheme for 11kV, 40kA, 72MW Main Bulk Intake Substation.....	37
<i>Yadavalli Venkata Sridhar and Fakher Al Zalzalah</i>	
Implementation of a Low Cost Impedance Network Using Four Switch BLDC Drives for Domestic Appliances .....	43
<i>G. R. Puttalakshmi and S. Paramasivam</i>	
Energy and Byproducts Recovery from Tea Waste.....	49
<i>M. Nagaraja, R. Sundaresan, R. Natarajan, and T. Srinivas</i>	
Continuation Power Flow Method with Improved Voltage Stability Analysis in Two Area Power System...55	55
<i>Haniyeh Marefatjou and Iman soltani</i>	