

# INTERNATIONAL JOURNAL OF SYSTEMS SIMULATION

VOLUME 12

NUMBER 2

JULY-DECEMBER 2018

22  
155

## Contents

1. Fuzzy Controlled Grid Interfaced 4-Leg Inverter for Power Quality Improvement..... 95-103  
*R.V. S. Uma Mahesh, Mopidevi. Subba Rao, M.Suneetha and Polamraju. V.S. Sobhan*
2. Smart Grid-Integration of Conventional and Distributed Generation..... 105-110  
*GVS. Mounica, Satheesh G and Ch. Sai Babu*
3. Harnessing Renewable Power Using A High Step-Up Three-Port DC-DC Converter ..... 111-116  
*Sk. Bilal, M. Manogna, A.R.Vijay Babu and G.Srinivasa Rao*
4. Auxiliary Resonant High Frequency DC/DC Converters..... 117-129  
*K. Santhi Priya, Mopidevi.Subbarao and Polamraju.V.S. Sobhan*
5. Power Quality Mitigation Using Multi Con-verter Unified Power Quality ..... 131-141  
Conditioner For the Application of Multi Feeder Systems  
*P. Tabita, K. Sravanthi and K. Durga Syam Prasad*
6. Design of Energy Management System for Residential Grid-Connected ..... 143-151  
Microgrid with HRES  
*P. Sushma Devi and M. Venu Gopala Rao*
7. TLBO Tuned Fractional Order PI Controlled TCSC for Improvement of Transient ..... 153-161  
Stability in Multi Machine Power System  
*R.S. Srinivas and P.V. Ramana Rao*
8. Analysis and Simulation of PV System Fed Impedance Source Inverter ..... 163-175  
*J. Nagarjuna Reddy, D. Lenine and G. Sai Sumana*

