

International Journal of POWER SYSTEMS & POWER ELECTRONICS

Volume 8 • Number 1 • January-June 2018

Contents

1. SEF-DFigure Based Hybrid Grid Connected System 1-10
Durga Surya Prakash Chadalwada and R.B.R Prakash
2. Identification of Earthquake Precursors by Comparing Welch and Burg Methods using GPS TEC 11-17
K. Uday Kiran, S. Koteswara Rao and K.S. Ramesh
3. A Novel Approach for Control of Power Flow in Grid Connected PV System 19-26
Raghu Thumu and K. Harinadha Reddy
4. A Simplified Active-Reactive Power Control of Distributed Energy Resource Integration with Distribution Grid 27-36
Kesa. Jyothi, H.S Jain and K.S. Srikanth
5. Fast and Real-Time Algorithm to Detect Impending Voltage Instability 37-42
K.K. Deepika, G. Kesava Rao, J. Vijaya Kumar and R.S. Ravi Sankar
6. An Integration of Dual UPQC Controller for Power Quality Compensation by Extending its Voltage Regulation at Grid Side as a STATCOM 43-48
M.S. Teja, P. Srinivasa Varma and M.C. Rao
7. Modeling and Simulation of a Line Integrated Parabolic Trough Collector with Inbuilt Thermoelectric Generator 49-57
Sreekala P. and A. Ramkumar
8. Application of Sensitivity Approach for Congestion Management By UPFC 59-64
Naga Raja Kumari. CH and K. Chandra Sekhar
9. Neuro Fuzzy Method for Efficient Torque Response of Induction Motor Drive 65-75
J.N. Chandra Sekhar and G.V. Marutheswar