

Dr. R. GNANADASS, BOYSCAST Fellow
Professor
EEE Department
Pondicherry Engineering College
(An Autonomous Institution of Government of Pondicherry)
Pondicherry - 605 014.
E-mail: gnanadass@pec.edu
Mobile: 9443084441

List of Publications

Journals

1. A. Ragavendiran, R. Gnanadass, Power system stabilizers and their design techniques for power system damping using optimization methods, International Journal of programmable Device Circuits and Systems , Vol. 6, No. 8, pp. 35-45, September 2014.
2. M.Susithra and R.Gnanadass, "Comparison of reactive power contribution methods in restructured power market," The IUP Journal of Electrical & Electronics Engineering, Vol. 7, No. 3, 2014, pp.31-57.
3. M.Susithra and R.Gnanadass, "Power Flow Tracing Based Reactive Power Ancillary Service (AS) in Restructured Power Market," World Academy of Science, Engineering and Technology, Vol.8, No.10, 2014, pp.1411-1418.
4. M. Prabavathi and R. Gnanadass, "Electricity Trading in Indian Restructured Power Market", International Journal of Energy Technology and policy, (inderscience publications) Vol.10, No.3/4, pp. 320-334, 2014.
5. M. Prabavathi and R. Gnanadass, "Energy Trading in Restructured Indian Electricity Industry", Journal of Automation and Systems Engineering, Vol.8, No.4, pp. 187-196, 2014.
6. M.Susithra and R.Gnanadass, "Computation of reactive power for power components in power system," WSEAS transactions on power system, Vol.10, 2015, pp.157-168.
7. M. Prabavathi and R. Gnanadass, "Energy bidding strategies for Restructured Electricity market", International Journal of Electrical Power and Energy System, (Elsevier), Vol.64, No.4, pp. 956-966, 2015.
8. A. Ragavendiran, R. Gnanadass and K. Ramakrishnan, A New Sparls Algorithm for Tuning of Power System Stabilizer, International journal of

Electrical Power and Energy System, (Elsevier), Vol. 68, pp. 327-335, June 2015.

9. A. Mariajayaprakash, T. Senthilvelan and R. Gnanadass, "Optimization of process parameters through fuzzy logic and genetic algorithm – A case study in a process industry", International Journal of Applied Soft Computing (Elsevier), Vol. 30, 2015, pp. 94-103.
10. M. Susithra and R. Gnanadass, "Reactive power Contribution and Pricing for restructured power industry," Iraqi Journal for Electrical and Electronic Engineering (IJEED), Vol. 11, No. 5, 2015, pp. 47-55.
11. A. Ragavendiran, R. Gnanadass, and K. Ramakrishnan, "Operating performance of Multi Band Power System Stabilizer for Pondicherry Utility system", The IUP journal of Electrical and Electronics Engineering, Vol. 8, No. 3, April 2015.
12. M. Prabavathi and R. Gnanadass, "Frequency control Ancillary service for Indian Restructured power market", International Journal of Programmable Device Circuits and Systems, Vol. 7, No. 8, pp. 245-250, 2015.
13. M. Malarkodi, M. Susithra and R. Gnanadass, "Application of Particle Swarm optimization for reactive power dispatch," Journal of Electrical Engineering, Vol. 15, pp. 90-97, 2015.
14. M. Susithra and R. Gnanadass, "Application Of Modified Power Flow Tracing Method For Reactive Power Pricing In Practical Utility System," Journal of Engineering Science and Technology, Taylors University, 2015.
15. S. Suresh, R. Gnanadass, and N. P. Subramaniam "Sensorless Speed Control of Three Phase Inverter Fed Induction Motor Drives using MRAS", IJAVR Volume 55 Issue 10 – June 2015.
16. M. Muthamizh Selvam, R. Gnanadass and N. P. Padhy, "Initiatives and technical challenges in Smart Distribution Grid", International journal on Renewable and Sustainable Energy Reviews (Elsevier), vol. 58, pp. 911-917, 2016.
17. B. Muruganantham and R. Gnanadass, "Challenges with Renewable Energy Sources and Storage in Practical Distribution Systems", Accepted for publication in Renewable & Sustainable Energy Reviews (Elsevier), Vol. 73, pp. 125-134, 2017.
18. Prabavathi, M., and R. Gnanadass. "Electric power bidding model for practical utility system." Alexandria Engineering Journal (2017).
19. M. Muthamizh Selvam, R. Gnanadass and N. P. Padhy "Fuzzy based clustering of smart meter data using real power and THD Patterns" Elsevier – Energy Procedia, Vol. 117c, pp. 334-341, 2017.

20. B. Muruganantham, R. Gnanadass and N.P. Padhy "Reactive Power Reallocation in the Distribution System with DSTATCOM" Elsevier – Energy Procedia, Vol.117c, pp. 485-492, 2017.
21. Balakrishnan, Muruganantham, and Gnanadass Ramachadran. "Wind Integrated Time series load flow analysis for a Practical Distribution System." *Revista Facultad de Ingeniería* 85: 33-39.
22. S. Suresh, R. Gnanadass, N. P. Subramaniam and C. Bharatiraja, "Real time Electric power quality recognition for Distribution Feeders," *Journal of Electrical Engineering (JEE)*, Romania. Vol.17, Issue-2, No.10, 2017.
23. Ragavendiran, A., R. Gnanadass, and M. Kavitha. "A Novel Tuning Technique of Multi-Band Power System Stabilizer Using Expectation and Maximization Algorithm for Multi-Machine System." *International Journal of Power Systems* Vol. 2, 2017.
24. Nageswara Rao, A., Vijaya Priya, P., Kowsalya, M. and Gnanadass, R., "Wide area monitoring for energy system: A review", *International Journal of Ambient Energy*, 2017, pp.1-17.
25. Danalakshmi, D., S. Kannan, and R. Gnanadass. "Generator reactive power pricing for practical utility system using power flow tracing method." *International Journal of Engineering & Technology* 7.1.8, 2018, pp.20-25.
26. Geetha. A, Subramaniam. N.P. and Gnanadass.R. 'Operation of Current-fed Dual Active Bridge DC-DC Converters for Microgrid,' *International Journal of Recent Technology and Engineering (IJRTE)* at Vol.8, No.2, July 2019.
27. B. Muruganantham and R. Gnanadass, " Effective Utilization of Solar integrated Urban Distribution Network Infrastructure using Diurnal Load factor for Smart Cities", *Journal of Engineering for Sustainable buildings and Cities*, Vol. 1, No. 1, 2020, pp. 1- 12.