## Dr. R. GNANADASS, BOYSCAST Fellow

Professor
EEE Department
Pondicherry Engineering College
(An Autonomous Institution of Government of Pondicherry)
Pondicherry - 605 014.

E-mail id : gnanadass@pec.edu

Contact No.: 9443084441

## **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 (IJEEE), Vol.11, No.5, 2015, pp.47-55.
- **11.**A.Ragavendiran, R, Gnanadass, and K. Ramakrishnnan, "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 Reacitve 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).
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- **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.
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