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## **Publications**

- R.Gomathi and S.Ganapathy, "Informative Vector Machine Based - Ahead Electricity □ Price Forecasting.", *International Journal of Advancement in Engineering Technology, Management and Applied Science*, Volume 5, Number 1, 2018, pp. 17-26. 2018.
- R.Gomathi and S.Ganapathy, "A New Approach For Classification of Prices in the Electricity Market Using Core Vector Machine.", *International Journal of Applied Engineering Research*, Volume 12, Number 23, 2018, pp. 14909-14916. 2018.
- R.Gomathi and S.Ganapathy, "Application Of Relevance Vector Machine For Classification Of Electricity Prices.", *International Journal of Research in Engineering and Advanced Technology*, Volume 6, Number 1, 2018, pp. 1-7. 2018.
- K.Vetrivel, S.Ganapathy and K.Uma Rao, "Congestion Management and ATC Enhancement in Deregulated Power System Using Optimal Allocation of FACTS Devices.", *Middle-East Journal of Scientific Research*, Volume 25, Number 1, 2017, pp. 22-33. 2017
- Ramesh Kumar Selvaraju and Ganapathy Somaskandan, "ACS algorithm tuned ANFIS-based controller for LFC in deregulated environment.", *Journal of Applied Research and Technology*, Volume 15, Number 1, Mar 2017, pp. 152-166. 2017.
- S.Ramesh Kumar and S.Ganapathy, "MOACSA Based Controller Design for Automatic Generation Control Of Deregulated Power Systems.", *International journal of innovative trends in engineering*, Volume 20, Number 2, 2016, pp. 2395-2946. 2016.
- S.Ramesh Kumar and S.Ganapathy, "Artificial Cooperative Search Algorithm Based Load Frequency Controller For Multi-Area Deregulated Power System With Coordinated Control of TCPS, RFB and AC-DC Parallel Tie-Lines.", *ARPJ Journal of Engineering and Applied Sciences*, Volume 10, Number 14, 2016, pp. 6080-6091. 2016.
- S.Ramesh Kumar and S.Ganapathy, "Impact of Energy Storage Units on Load Frequency Control of Deregulated Power Systems.", *Energy*, Volume 97, Number 1, 2016, pp. 214-228. 2016.

- Jothinathan and S.Ganapathy, "Transient Security Classification of Power System Using Extreme learning machine.", *Advances in Natural and Applied Sciences*, Volume 10, Number 10, 2016, pp. 102-110. 2016.
- Jothinathan and S.Ganapathy, "Probabilistic Neural Network Based Transient Security Assessment of Power Systems.", *Middle-East Journal of Scientific Research*, Volume 24, Number 10, 2016, pp. 3051-3057. 2016.
- R.Thamizhselvan and S.Ganapathy, "A New Approach for Static Security Assessment of Power Systems Using Core Vector Machine.", *International Journal of Advances in Engineering Technology*, Volume 3, Number 1, 2016, pp. 362-366. 2016.
- R.Thamizhselvan and S.Ganapathy, "Power System Static Security Evaluation Using Ball Vector Machine.", *International Journal of Simulation Systems, Science & Technology*, Volume 17, Number 33, 2016, pp. 12-13. 2016.
- R.Thamizhselvan and S.Ganapathy, "Application of Relevance Vector Machine for Static Security Assessment of Power Systems.", *Advances in Natural and Applied Sciences*, Volume 10, Number 11, 2016, pp. 214-223. 2016.
- R.Thamizhselvan and S.Ganapathy, "Informative Vector Machine Based Steady State Security Assessment of Power Systems.", *Middle-East Journal of Scientific Research*, Volume 1, Number 1, 2016, pp. 2927-2935. 2016.
- K.Vetrivel, S.Ganapathy and K.Uma Rao, "PSO Based Congestion Management in Deregulated Power System Using Optimal Allocation of Thyristor Controlled Series Capacitor For Available Transfer Capability Enhancement.", *International Journal of Innovation and Scientific Research*, Volume 10, Number 5, 2016, pp. 3979-3982. 2016.
- K.Vetrivel, S.Ganapathy and K.Uma Rao, "Optimal Allocation of TCSC and SVC Devices for Congestion Management In Deregulated Power Systems.", *Advances in Natural and Applied Sciences*, Volume 10, Number 13, 2016, pp. 81-92. 2016.
- S.Ramesh Kumar and S.Ganapathy, "LFC For Deregulated Power Systems with GDB Non-Linearity and SMES Units Using ACS Algorithm.", *Global Journal of Pure and Applied Mathematics*, Volume 11, Number 2, 2015, pp. 645-654. 2015.
- K. Jothinathan and S.Ganapathy, "Transient Security Assessment in Power Systems using Deep Neural Network.", *International Journal of Applied Engineering Research*, Volume 10, Number 15, 2015, pp. 35787-35790. 2015.
- R.Thamizhselvan and S.Ganapathy, "Application of Support Vector Machine to Static Security Assessment in Power systems.", *International Journal of Applied Engineering Research*, Volume 10, Number 17, 2015, pp. 38362-38367. 2015. C.K.Murugan, S.Ramesh Kumar, S.Ganapathy

and S.Velusami, "Design of ABCAlgorithm based load frequency controller for hydro-nuclear interconnected power systems with Redox Flow Batteries.", *International Journal of Development Research*, Volume 6, Number 4, Mar 2014, pp. 546-550. 2014.

- D.Kalaichelvi, S.Ramesh Kumar and S.Ganapathy, "Gravitational search algorithmbased optimal pitch controller design for an isolated wind-diesel hybridpower system.", *International Journal of Development Research*, Volume 4, Number 3, Mar 2014, pp. 532-536. 2014.
- S.Ramesh Kumar and S.Ganapathy, "Artificial Cooperative Search Algorithm basedLoad Frequency Control of Deregulated Power System with Smes Unit.", *Journal of Theoretical and Applied Information Technology*, Volume 63, Number 1, May 2014, pp. 20-28. 2014.
- S.Ramesh Kumar and S.Ganapathy, "Artificial Cooperative Search Algorithm basedLoad Frequency Control of Interconnected Power Systems with AC-DC Tie-lines.", *International Journal of Engineering and Technology*, Volume 6, Number 2, May 2014, pp. 701-706. 2014.
- S.Ramesh Kumar and S.Ganapathy, "Design of Artificial Cooperative Search
- Algorithm based Load Frequency Control of Deregulated Power System with AC-DC parallel Tie-lines.", *Australian Journal of Basic and Applied Sciences*, Volume 8, Number 13, Aug 2014, pp. 326-338. 2014.
- S.Ramesh Kumar and S.Ganapathy, "Design of ACS Algorithm based Load
- Frequency Controller for Deregulated Power Systems with Redox Flow Batteries and Generation Rate Constraints.", *International Journal of Applied Engineering Research*, Volume 9, Number 22, 2014, pp. 12802-12818. 2014.
- S.Ramesh Kumar and S.Ganapathy, "Design of Load Frequency
- Controllers for
- Interconnected Power Systems with Superconducting Magnetic Energy Storage Units using Bat Algorithm.", *IOSR Journal of Electrical and Electronics Engineering*, Volume 6, Number 4, Aug 2013, pp. 42-47. 2013.
- S.Ramesh Kumar and S.Ganapathy, "Seeker Optimization Algorithm based LoadFrequency Control of Interconnected Power Systems.", *International Journal of Computer Applications*, Volume 78, Number 12, Sep 2013, pp. 24-27. 2013.
- S.Ramesh Kumar and S.Ganapathy, "Cuckoo Search Optimization Algorithm basedLoad Frequency Control of Interconnected Power Systems with GDB nonlinearity and SMES units.", *International Journal of Engineering Inventions*, Volume 2, Number12, Aug 2013, pp. 23-28. 2013.
- G. Sridhar, S. Ganapathy and S. Velusami, "Differential Evolution Based Design ofDecentralized Load Frequency Controller for Interconnected Power Systems with Nonlinearities.", *International Journal of Research*

*and Reviews in Electrical and Computer Engineering*, Volume 1, Number 4, Dec 2011, pp. 1030-1033. 2011.

- S.Ganapathy and S.Velusami, "MOEA based Design of Decentralized Controllers for LFC of Interconnected Power Systems with Nonlinearities, AC-DC Parallel Tie-lines and SMES units.", *Energy Conversion and Management*, Volume 51, Number 5, May 2010, pp. 873-880. 2010.
- S.Ganapathy and S.Velusami, "Design of MOEA based Decentralized Load-Frequency Controllers for Interconnected Power Systems with Nonlinearities and SMES Units.", *International Journal of Computer and Electrical Engineering*, Volume 2, Number 1, Feb 2010, pp. 1793-8163. 2010.
- S.Ganapathy and S.Velusami, "MOEA based Design of Decentralized Load-Frequency Controllers for Interconnected Power Systems with AC-DC Parallel Tie-lines and considering Nonlinearities.", *International Journal of Computer Applications*, Volume 1, Number 8, Feb 2010, pp. 33-38. 2010.
- S.Ganapathy and S.Velusami, "Design of MOEA based Decentralized Load-Frequency Controllers for Interconnected Power Systems with GDN Nonlinearity.", *Journal of Electrical Engineering*, Volume 9, Number 4, Oct 2009, pp. 47-52. 2009.
- S.Ganapathy and S.Velusami, "Decentralized Load-Frequency Control of Interconnected Power Systems with SMES Units and Governor Dead Band using Multi-Objective Evolutionary Algorithm.", *Journal of Electrical Engineering and Technology*, Volume 4, Number 4, Sep 2009, pp. 443-450. 2009.
- S.Ganapathy and S.Velusami, "Design of MOEA based Decentralized Load-Frequency Controllers for Interconnected Power Systems with AC-DC Parallel Tie-lines.", *International Journal of Recent Trends in Engineering*, Volume 2, Number 5, Nov 2009, pp. 357-361. 2009.
- P.Aravindhababu, S.Ganapathy and K.R.Nayar, "A novel technique for the analysis of radial distribution systems.", *Electrical Power and Energy Systems*, Volume 23, Number 3, Mar 2001, pp. 167-171. 2001.

