

Research Profile

Name : Dr. S. Ramesh
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Education:

| Qualification | University | Year | Specialization |
|---------------|---------------------------|------|----------------------------------|
| B.E. | Annamalai University | 2003 | Electrical and Electronics Engg. |
| M.E. | Anna University | 2005 | Power Systems Engg. |
| Ph.D. | Anna University – Chennai | 2012 | Power Systems Engg. |

Publications:

Journals (along with impact factor if any):

1. S. Ramesh, S. Kannan, and S. Baskar, "Application of a Fast and Elitist Multi-Objective Genetic Algorithm to Reactive Power Dispatch", **Serbian Journal of Electrical Engineering**, Vol.6, No.1, May 2009, pp.119-133. ISSN 1451 – 4869.
2. S. Ramesh, S.Kannan and S.Baskar, "Application of an Improved Generalized Differential Evolution algorithm to multi-objective optimization problems. SEMCCO 2011, Part I, **Lecture Notes in Computer Science (LNCS) 7076, Springer-Verlag, Berlin Heidelberg**, pp. 77–84, 2011. (*SNIP: 0.020 and SJR: 0.084*).
3. S. Ramesh, S. Kannan, and S. Baskar, "An Improved Generalized Differential Evolution Algorithm for Multi-objective Reactive Power Dispatch", **Engineering Optimization – Taylor & Francis Group**, Vol. 44, No. 4, pp. 391-405, 2012, **Impact Factor: 0.936**
4. S.Ramesh, S.Kannan and S.Baskar, "Application of Modified NSGA-II Algorithm to Multi-objective Reactive Power Planning", **Applied Soft Computing – Elsevier**, Vol. 12, Issue 2, Feb. 2012, pp. 741-753. (DOI:10.1016/j.asoc.2011.09.015), **Impact Factor: 2.612**

Conferences:

International Conferences:

1. **S. Ramesh**, S. Kannan and S. Baskar, "Implementation of MOPSO Algorithm to Optimal Reactive Power Dispatch", International Conference on "Electrical Energy Systems & Power Electronics in Emerging Economies", (ICEESPEEE-2009), SRM University, Chennai, India, 16-17 April 2009, pp.778-784.
2. Rajkumar, M. Mahadevan, K. and **Ramesh, S.** "Application of NSGA-II to combined economic and emission dispatch problem", ICETES-2010, Noorul Islam University, March 2010.
3. Rajkumar, M. Mahadevan, K. Kannan, S. and **Ramesh, S.** "A Non-dominated Sorting Genetic Algorithm-II technique for Environmental/ Economic Power Dispatch", IEEE Conference on ICCCT-2010, Syed Ammal Engineering College, October 2010.
4. Rajkumar, M. Mahadevan, K. Kannan, S. and **Ramesh, S.** "Comparison and Application of NSGA-II to combined Economic Emission Dispatch with Non-smooth Fuel cost and Emission level Functions", ICPCES-2010, College of Engineering, Guindy Campus, Anna University, December 2010
5. **Ramesh, S.** Kannan, S. and Baskar, S. "Multi-objective Evolutionary Algorithm based Reactive Power Dispatch with Thyristor Controlled Series Compensator", IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) & Power India, New Delhi, DOI:10.1109/PEDES.2010.5712423, Dec. 20-23, pp. 1-7, 2010. Print ISBN: 978-1-4244-7782-1.
6. **S. Ramesh**, S. Kannan and S.Baskar, "Application of Modified NSGA-II Algorithm to Reactive Power Optimization, First International conference on Computer Science and Information Technology (CCSEIT-2011), Nagamalai, D., Renault, E. and Dhanushkodi M. Eds. CCIS 204, Springer-Verlag, Berlin Heidelberg, pp. 344–354, Sep 23-25, 2011, Organised by Manonmaniam Sundharanar University, Tirunelveli-627012, Tamilnadu, India.
7. A. Karthikraja, G. Petchinathan and **S. Ramesh**, "Stochastic algorithm for PID tuning of bus suspension system", International Conference on Control, Automation, Communication and Energy Conservation, 2009 (INCACEC 2009), Organized by department of Electrical and Electronics Engineering, Kongu Engineering College, Erode on 4th June 2009.

National Conferences :

1. **S. Ramesh**, S. Kannan and S. Baskar, "Application of NSGA-II algorithm to Optimal reactive power dispatch", Second national conference on Computational Intelligence in Power Apparatus and Systems, CIPS-2008, April 18-19, 2008, organized by Department of Electrical and Electronics Engineering, SRM University, Chennai, pp109-113.
2. **S. Ramesh**, N.Deeban, N. Karthikeyan and V. Vivekanad, "Design of Wheel Chair Drive for disabled persons", NCICCA 2011, Kalasalingam University, 8th April 2011.
3. **S. Ramesh**, N. Valliammai, S. Chitra, "Automatic Anesthesia system", NCICCA 2011, Kasalingam University, 8th April 2011.
4. **S. Ramesh** and P. Subbaraj, "Optimal Placement of capacitors in radial distribution system for Loss Reduction", Proceedings of the National Conference organized by St. Joseph College of Engineering, Chennai, January 2005.
5. **S. Ramesh** and P. Subbaraj, "Optimal Placement of capacitors in radial distribution system", Proceedings of the National Conference organized by Department of Instrumentation and Control Engineering, AKCE, April 2005.
6. M. Ajay Kumar, R. Ephraim Samuel, J. Natarajan and **S. Ramesh**, "Enhanced E – Wheel Chair Model For Physically Challenged", NCICCA 2012, Kalasalingam University, 5th April 2012.
7. V.Vijayageetha, **S.Ramesh**, "Multi-Objective Evolutionary Algorithm for the design of Robust PID Controller", NCICCA 2012, Kalasalingam University, 5th April 2012.
8. A.Divya vinoth raja, **S. Ramesh**, "System Identification And Controller Design For Juice Flow Process In Sugar Industry", NCICCA 2012, Kalasalingam University, 5th April 2012.
9. Murugaraj. C., Valarmathi. K., **Ramesh S**, "Shell & Tube Heat Exchangers Optimization Using Genetic Algorithm And Particle Swarm Optimization", National Conference 'Emerging Trends in Materials, Manufacturing and Design (ETMMD'13), organized by Department of Mechanical Engineering, Mepco Schlenk Engineering College, 7th and 8th May 2013.

Funded Projects (if any)

Ongoing : NIL

Completed : NIL

Awards/ Recognitions:

Note: Please include the research recognitions like Fellowships gained, Young Scientist, Editor/ Reviewer for Journals, Best paper awards etc.

Reviewer in Applied Soft Computing (Elsevier), Electric Power Components and Systems (Taylor & Francis Group), Engineering Optimization (Taylor & Francis Group), IEEE Transactions on Power Systems.

Visits to Foreign/other Institutions:

Anna University supervisor Recognition Number:

21.03.07

List of Research Scholars: NIL