

2010

Research Publications

Papers published in International Journals

1. Dr.S.Sumathi, "Fuzzy based intelligent controller for LFC and AVR of a power generating systems", International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS), Vol.3, Issue.1, Jan-2010.
2. Dr.S.Sumathi, "Ant Colony Optimization Based PID tuning for AVR in autonomous power generating station", International Journal of Recent trends in Engineering, Jan. 2010.
3. Ila.Vennila and Mr.T.Balakumaran, "Detection of Microcalcification in Mammograms using Wavelet Transform and Fuzzy Shell Clustering." (IJCSNS) International Journal of Computer Science and Information Security, Vo.7, No.1, 2010, pp. 121-125.
4. L.Ashok Kumar, "Design of Sewing Thread Tension Measuring Device", Indian Journal of Fibre & Textile Research, Vol. 35, March 2010, pp. 65–67.
5. L.Ashok Kumar, "Development of Wearable Solar Jacket for Remote and Military Applications", Journal of Asian Textile, June 2010, pp. 48-52.
6. L.Ashok Kumar, "Development of self-assisting Pneumatic Clothing for Physically Challenged People", Journal of Technical Textiles, Germany, E98-E99, June 2010.
7. D. Chandrakala, S. Sumathi, D. Saraswathi, "Blur Identification with Image Restoration based on Application of Data Mining Techniques", International Journal of Imaging, 2010 Autumn, Volume 4, Number A10, page no. 99 -122.
8. D. Chandrakala, S. Sumathi, S. Karthi, "Classification of Multi-class Real World Pattern Recognition Problems based on Data Mining Techniques", International Journal on Computer Engineering and Information Technology, Volume 24, Issue No 01, pg no. 40-65, June 2010-August 2010.
9. D. Chandrakala, S. Sumathi, S. Karthi, "Machine Learning Techniques for Classification of Multi-class problems", International Journal of Knowledge-based and Intelligent Engineering Systems,15,pg.no.1-19, (DOI 10.3233/KES-2010-0224),IOS Press, Netherlands, 2010.
10. Mary Praveena.S and Ila.Vennila, "An efficient utilization and simulation of steganography fusion based on human skin tone detection", AMSE Journal of Advances in Modeling, Vol.15, No.1-2, 2010.
11. S. Mary Praveena and IlaVennila, "Optimization fusion Approach For image segmentation using K Means Algorithm", International Journal of Computer Application (IJCA),Vol 2,no7,June2010,pp1-25.
12. S. Mary Praveena and IlaVennila, "A Security Based Wavelet Fusion for Palm and GAIT Recognition", International Journal of Biometrics and Bioinformatics, July 2010, pp119-124.
13. S. Mary Praveena and IlaVennila, "An Image Fusion Approach Based on Segmentation Region using Ant Colony Optimization", International Journal of Digital Image Processing, August 2010,pp1-3.
14. Ila.Vennila and S.Mary Praveena, "An Image Fusion Approach Based on Segmentation Region using Ant Colony Optimization", Coimbatore institute of information Technology (CIIT), Vol 2, Aug,2010.
15. T.Balakumaran, Ila Vennila, C.GowriShankar, "Detection of Microcalcification in Digital Mammograms using Multi-Scale Products and Active Contour Mode" ,CiIT International journal of Digital image Processing, Vol 2, No 9, September 2010.
16. Ila.Vennila and S.Mary Praveena, "An security based image wavelet fusion for palm and giat recognition", Coimbatore institute of information Technology (CIIT), Vol 2, Nov 7,2010.
17. R. Arulmozhiyal, K.Baskaran, N Devarajan and J.Kanakaraj, "RealTime MATLAB Interface for speed control of Induction Motor drive using dsPIC 30F4011", International journal of Computer Applications, Volume 1, No. 5, 2010
18. L. Ashok Kumar, C. Vigneswaran and T. Ramachandran, "Development of Signal Transferring Fabrics Using Plastic Optic Fibers (POF)", Journal of Industrial Textiles, UK, Volume 39 Issue 4, April 2010, pp 305-326.
19. L. Ashok Kumar and T. Ramachandran Development of Wearable Solar Jacket for Remote and Military Applications, Asian Textile Journal, pg no. 48-52, June 2010.
20. L. Ashok Kumar, J.C.Sakthivel and T. Ramachandran Development of self-assisting Pneumatic Clothing for Physically Challenged People, Technical Textiles, Germany, E98-E99, June 2010.
21. L. Ashok Kumar and A.N.Sai Krishnan Design of Sewing Thread Tension Measuring Device", Indian Journal of Fibre & Textile Research, pg no. 65–67, Vol 35 March 2010.
22. L. Ashok Kumar, A Methodology for Product Development of Nonwoven Wearable Electronics, International Journal of Nonwovens and Technical Textiles, USA, pg no 25-28, Apr-Jun 2010.
23. L. Ashok Kumar, Remote Utilization of Textile Testing Equipments Using Microcontrollers with LabVIEW, Pakistan Textile Journal, pg no. 43 – 45 November 2010.
24. L. Ashok Kumar, C. Vigneswaran and T. Ramachandran Design and Development of Signal Sensing Equipment for Measuring Light Transmission Efficiency of POF Fabrics, Indian Journal of Fibre & Textile Research, pg no. 317 – 323 Vol 35 December 2010.
25. L. Ashok Kumar and T. Ramachandran Investigation on Acquisition of Signals from Teleintimation Garment for Extreme Health care and Defence Personnel, International Journal of Biomedical Signal Processing, pg no. 49-57, Vol 1, No.2, December 2010.

26. G. Subashini , M.C. Bhuvanewari, "A Fast And Elitist Bi-Objective Evolutionary Algorithm For Scheduling Independent Tasks On Heterogeneous Systems", ICTACT Journal on Soft Computing, 2010 pp 9- 17.
27. G.Subashini, PU.Nivetha, M.C.Bhuvanewari, "A Bi-Objective Evolutionary Algorithm for Fault Tolerant Scheduling in Heterogeneous Systems", International Journal of Computational Intelligence Research, Vol 6-4, Dec 2010, pp 939-945.
28. Surekha P. and S. Sumathi, "Application of GA and PSO to the Analysis of Digital Image Watermarking Processes", International Journal of Computer Science and Emerging Technologies, Vol 1, Issue 4, E-ISSN: 2044-6004, Dec 2010.
29. Surekha P. and S. Sumathi, "Solving Fuzzy Based Job Shop Scheduling Problems using GA and ACO", International Journal of Emerging Trends in Computing and Information Sciences, Vol. 1, No. 2, E-ISSN 2218-6301, pp. 95-102, Oct 2010. (Impact factor = 0.3).
30. Surekha P. and S. Sumathi, "An Optimization Approach to Digital Image Watermarking Based On GA and PSO", International Journal of Digital Image Processing, DOI: DIP092010007, ISSN 0974 – 9586, September 2010. (Impact factor = 0.652).
31. Surekha P. and S. Sumathi, "Genetic Algorithm and Ant Colony Optimization for Optimizing Combinatorial Fuzzy Job Shop Scheduling Problems", International Journal of Artificial Intelligent Systems and Machine Learning, DOI: AIML092010004, ISSN 0974 – 9543, September 2010. (Impact factor = 0.763).
32. Surekha P. and S. Sumathi, "Applications of Computational Intelligence Paradigms: A survey", Journal of software project management and quality assurance, International Sciences Press, ISSN: 2229-7448, Vol 1. No 2, pp. 85-97, July 2010.
33. Surekha P. and S. Sumathi, "A Survey of Computational Intelligence Techniques in Industrial Applications", International Journal of Advanced Engineering and Applications, ISSN: 0975-7783, pp. 91-96, Jan 2010.
34. A.Soundarrajan and S.Sumathi, "Fuzzy based intelligent controller for LFC and AVR of a power generating systems", International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, Vol.3, Issue.1, 2010.
35. A.Soundarrajan, S.Sumathi, C.Sundar, "ACO based PID controller for AVR in Autonomous power generating systems", International Journal of Recent trends in engineering, Vol. 3, Issue.4, Aug, 2010
36. A.Soundarrajan, S.Sumathi, Sivamurugan," Evolutionary Algorithms for LFC in two area interconnected power systems", International Journal of Artificial Intelligent Systems and Machine Learning, Vol.5, Issue.1,2010
37. A.Soundarrajan, S.Sumathi, R.Gowtham," Fuzzy-based Intelligent Controller for Power Generating Systems", International Journal of Vibration and Control, Vol.1, Oct, 2010.
38. A. Soundarrajan, S. Sumathi, G. Sivamurugan, "Hybrid Evolutionary Algorithms for frequency and Voltage Control in Power Generating systems" ICTACT International Journal on Soft Computing", Vol.1, No.2, pp.88-97, 2010.

Papers published in National Journals

1. L.Ashok Kumar, "Concept & Applications of RFID in Textile & Apparel Industry", Journal of The Indian Textile, ISSN0019-6436, March 2010, pp. 40-44.
2. L.Ashok Kumar, Dr.Ila Vennila, and Dr.T.Ramachandran, "Development of Bullet Wound Detection Circuit Using Flexible PCB for Teleintimation Garment", Journal of National Journal of Technology, ISSN-0973-1334, Vol.6, No.1, March 2010, pp. 75-83.
3. L.Ashok Kumar, "Design and Development of Cost Effective Solar PV UPS for Domestic Applications", Journal of Electrical India, Vol. 50, No. 4, April 2010, pp. 86-92.
4. L.Ashok Kumar, "Emerging Trends in Flexible Wearable Electronics for Versatile Applications", Journal of The Indian Textile, ISSN0019-6436, April 2010, pp. 62-66.
5. **S. Mary Praveena and IlaVennila "Investigation of image fusion using curve let transform"**, Karpagam Journal of computer science, [March – April 2010](#)
6. D.Subbulekshmi and J.Kanakaraj, "Comparitive evaluation of Linearisation Algoritms for a MIMO Process", Journal of Instrumentation society of India, Vol.40, No.4, December 2010.
7. L. Ashok Kumar and M.Senthil Kumar "Concept & Applications of RFID in Textile & Apparel Industry", The Indian Textile Journal, pg no. 40 – 44, March 2010.
8. L. Ashok Kumar, "Design and Development of Cost Effective Solar PV UPS for Domestic Applications", Electrical India ,pg no. 86-92, Vol 50 No 4 April 2010.
9. L. Ashok Kumar and T. Ramachandran "Emerging Trends in Flexible Wearable Electronics for Versatile Applications", The Indian Textile Journal, pg no. 62-66, April 2010.
10. L. Ashok Kumar, "Implementation of MEMS Accelerometer in Looms for Warp Stop Motion", Journal of The Institution of Engineers (India),pg no 16 - 20, Vol 91, August 2010.
11. L. Ashok Kumar and T. Ramachandran "Development of Soldier's Status Monitoring Software for Teleintimation Garment", National Journal of Technology, pg no. 18 – 23, Vol 6, No 4, December 2010.

Papers presented in International Conferences

1. Ila.Vennila B.Paulchamy, and R.Saravanakumar, "Independent Component Analysis for separation of Epileptic Seizure Signals ", Proceedings of International Conference on Intelligent Systems and control, Karpagam College of Engg. Coimbatore, Feb.2010.
2. Ila.Vennila, Mary Praveena, and S.Radhika , "Investigation of Image Fusion using Curvelet Transform", Proceedings of International Conference on Intelligent Systems and control, Karpagam College of Engineering, Coimbatore, Feb.2010.
3. Ila.Vennila, Mary Praveena, and S.Radhika, "Multiresolution Image Fusion using Curvelet Transform", Proceedings of International Conf. on Innovative Computing Technologies, M.Kumarasamy College of Engineering, Karur, Feb.2010.
4. L.Ashok Kumar, "Hybrid Solar PV Residential System with Grid Interfacing", International Conference on Jawaharlal Nehru National Solar Mission – The Road Ahead during 4-5 March 2010 by SESI & Electronics Today, Mumbai Trade Centre, Mumbai.
5. P.Sweety Jose and P.Jenitha Deepa, "Matrix converter Fed Induction Motor Drive Using Indirect Space Vector Modulation Technique" proceedings of the International Conference on Embedded Systems ICES-2010, Coimbatore Institute of Technology, Coimbatore, July, 2010.
6. P.Sweety Jose, D.Mahalakshmi, and P.Jenitha Deepa, "Direct torque control of Induction Motor Drive using ANN" proceedings of the International Conference on Embedded Systems ICES-2010, Coimbatore Institute of Technology, Coimbatore, July, 2010.
7. G. Subashini, M.C. Bhuvanewari, "A Fast and Elitist Multi-objective Genetic Algorithm for Scheduling Independent Tasks on Distributed Heterogeneous Systems", Proceedings of the International Conference on Embedded Systems, ICES,2010, CIT, Coimbatore.
8. D. S. Harish Ram, M. C. Bhuvanewari, Malarvizhi. K, "A Genetic Algorithm Approach for Multi-objective Power, Area and Delay Optimization For Behavioral Synthesis of Data Flow Graphs", International Conference on Embedded Systems, ICES 2010, CIT, Coimbatore, July 14-16th 2010
9. G. Subashini, M.C. Bhuvanewari, "Multi-objective Task Scheduling in Distributed Heterogeneous Computing Systems by Non-dominated Sorting Particle Swarm Optimization", Proceedings of the International Conference on Innovative Research in Engineering and Technology, iCIRET 2010, Park College of Engineering and Technology, TamilNadu, India.
10. G.Subashini, PU.Nivetha, M.C.Bhuvanewari, " A Bi-Objective Evolutionary Algorithm for Fault Tolerant Scheduling in Heterogeneous Systems" , Proceedings of the International Conference on Computational Intelligence ICCI 2010, G R Govindarajulu School of Applied Computer Technology, TamilNadu, India.
11. S.Jayanthy, M.C.Bhuvanewari, G.Harihara Sudan, "Test Pattern Generation for Crosstalk Delay Faults in VLSI Circuits", Proceedings of the International Conference on Intelligent Design and Analysis of Engineering Products, Systems and Computation, July 9-10,2010.
12. S.Jayanthy, M.C.Bhuvanewari, G.Renisha, "Multiobjective Genetic Algorithm for Testing of crosstalk delay faults in VLSI Circuits", Proceedings of the International conference on Embedded systems, July 14-16, 2010.
13. S.Jayanthy, M.C.Bhuvanewari, M.Prabhu, "Multiobjective Genetic Algorithm for Testing of crosstalk delay faults in VLSI Circuits: Weighted sum approach", Proceedings of the International Conference on Innovative Research in Engineering and Technology, August 12-14, 2010.
14. Surekha P, P. RA. Mohanaraajan, S. Sumathi, "Ant Colony Optimization for Solving Combinatorial Fuzzy Job Shop Scheduling Problems", Int. Conf. on Communication and Computational Intelligence, Kongu Engineering College, Erode, India, Dec 2010.
15. Surekha P, P. RA. Mohanaraajan, S. Sumathi, "Genetic Algorithm and Particle Swarm Optimization Approaches to Solve Combinatorial Job Shop Scheduling Problems", IEEE Int. Conf. Computational Intelligence and Computing Research, Tamil Nadu College of Engineering, Coimbatore, India, ISBN: 978-1-4244-5966-7, Dec 2010.
16. Surekha P, P. RA. Mohanaraajan, S. Sumathi, "A methodology to schedule and optimize job shop scheduling using computational intelligence paradigms", IEEE Int. Conf. Intelligent Control and Information Processing (ICICIP), China, ISBN: 978-1-4244-7047-1, pp.809-814, Sept 2010.
17. Surekha P, Yuvaraj P, S. Sumathi, "An efficient optimization technique for digital watermarking in image processing", IEEE Int. Conf. Intelligent Control and Information Processing (ICICIP), China, ISBN: 978-1-4244-7047-1, pp.803-808, Sept 2010.
18. Surekha P, P. RA. Mohanaraajan, S. Sumathi, "Planning, Scheduling and Optimizing Job Shop Scheduling Problem using Genetic Algorithm", International Conference on Innovative Research in Engineering and Technology (ICIRET-2010), PARK College of Engineering, Coimbatore, India, August 2010.
19. Surekha P, Yuvaraj P, S. Sumathi, "A Genetic Algorithm based Optimization Technique for Digital Image Watermark Embedding and Extraction", International Conference on Innovative Research in Engineering and Technology (ICIRET-2010), PARK College of Engineering, Coimbatore, India, August 2010.

20. L. Ashok Kumar "Hybrid Solar PV Residential System With Grid Interfacing", International Conference on Jawaharlal Nehru National Solar Mission – The Road Ahead during 4-5 March 2010 by SESI & Electronics Today, Mumbai Trade Centre, Mumbai.
21. L. Ashok Kumar "Design of Instrument for Measuring Pressure Comfort in Elastic Bandages and Garments", International Conference on Healthcare and Hygiene Textiles & Clothing during 30-31 July 2010 by Departments of Textile & Fashion Technology PSG College of Technology, Coimbatore.
22. L. Ashok Kumar "Smart Medical Textiles for Monitoring Pregnancy", International Conference on Healthcare and Hygiene Textiles & Clothing during 30-31 July 2010 by Departments of Textile & Fashion Technology PSG College of Technology, Coimbatore.
23. L. Ashok Kumar "Teleintimation Garment for Soldier's Status Monitoring Applications", International Conference on Technical Textiles & Nonwovens during November 11-13, 2010 at, IIT Delhi.
24. J.Chelladurai, B.Vinod, G.Karthik and M.Bhupathi Subramaniam "A Novel Cost effective Single Phase SAF for non-linear Loads", International Conference on Electrical Power and Energy Systems, Aug 26-28, 2010 PP-153-160.

Papers presented in National Conferences

1. Ila.Vennila, Mary Praveena, and S.Radhika, "Multiresolution Image Fusion using Curvelet Transform", Proceedings of International Conference on Innovative Computing Technologies, Kumarasamy College of Engg. Karur, Feb.2010.
2. L.Ashok Kumar, "An Overview of Characteristics Analysis and Comparison of Different Energy Storage Techniques", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
3. L.Ashok Kumar, "Battery Energy Storage System for a Standalone Wind Mill Based on State-Of-Charge (SOC) Balancing Control", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
4. L.Ashok Kumar, "Efficiency Improvement on PV Water Pumping System by Automatic Water Spraying Over Cells", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
5. L.Ashok Kumar, "Battery Energy Storage System for a Standalone Wind Mill Based on State-Of-Charge (SOC) Balancing Control", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
6. L.Ashok Kumar, "Experimental Studies on Solar Powered Diffusion Absorption Refrigerator", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
7. L.Ashok Kumar, "Intelligent Sun-Tracking System for Efficiency Maximization of Photovoltaic Energy Production", National Conference for Post-graduate students, conducted by PSG College of Technology, Coimbatore, April 24-25, 2010.
8. G. Subashini, M.C. Bhuvanewari, "Multiobjective Particle Swarm Optimization For Load Balancing In Distributed Computing Systems", Proceedings of the National Conference on Intelligent Information Retrieval, 2010, PSG College of Technology, Coimbatore.

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Papers published in International Journals

1. D. Chandrakala, S. Sumathi, S. Karthi, "Soft Computing Techniques based Recursive Error Correction Output Code for Multi-class Pattern Classification", CiiT International Journal of Fuzzy Systems, Volume 3, No.1, pg. no. 13-20 (DOI:FS012011003), January 2011.
2. L. Ashok Kumar and T. Ramachandran Teleintimation Garment for Personnel Monitoring Applications, Melliland International, Worldwide Textile Journal, pg no 53 – 54, D 45169 F, March 2011.
3. G. Subashini, M.C. Bhuvanewari, "NSGA - II with Controlled Elitism for Scheduling Tasks in Heterogeneous Computing Systems", International Journal of Open Problems in Computer Science and Mathematics., Vol. 4, No. 1, March 2011, pp 214-227.
4. G. Subashini, M.C. Bhuvanewari, "Non Dominated Particle Swarm Optimization For Scheduling Independent Tasks On Heterogeneous Distributed Environments", International Journal of Advances in Soft Computing and Its Applications, Vol. 3, No. 1, March 2011, pp 1-17.
5. Surekha P. and S.Sumathi, "Optimization of Pre-Watermarked Digital Images using Genetic Algorithm", International Journal of Imaging and Robotics, Vol. 5, No. S11, ISSN: 2231-525X, pp. 59-79, Apr 2011.
6. Surekha P. and S.Sumathi, "PSO and ACO based approach for solving combinatorial Fuzzy Job Shop Scheduling Problem", International Journal of Computer Technology and Applications, Vol 2 (1), 112-120, ISSN: 2229-6093, Jan-Feb 2011.

7. Surekha P. and S.Sumathi, "Planning, Scheduling and Optimizing Job Shop Scheduling Problem Using Genetic Algorithm", International Journal of Artificial Intelligent Systems and Machine Learning, DOI: AIML012011011, ISSN 0974 – 9543, January 2011. (Impact factor = 0.763).
8. Surekha P and S.Sumathi, "Solution To Multi-Depot Vehicle Routing Problem Using Genetic Algorithms", World Applied Programming, Vol.1, No .3, pp. 118-131, August 2011.
9. Surekha P and S.Sumathi, "A Self-adaptive Fuzzy C-means based Radial basis Function Network to solve Economic Load Dispatch Problems", International Journal of Computer Applications, Vol. 25, No. 4, pp. 50-59, July 2011.
10. Surekha P and S.Sumathi, "Solution to the Job Shop Scheduling Problem using Hybrid Genetic Swarm Optimization based on $(\lambda,1)$ Fuzzy Processing Time", European Journal on Scientific Research, Vol.64 No.2 (2011), pp. 168-188. (Impact factor: 0.326).
11. S.Brindha,Ila.Vennila, "Hiding Fingerprint in Face using Scattered LSB Embedding Steganographic Technique for Smart card based Authentication system", International Journal of Computer Applications,vol 26, pp 51-55, July 2011.
12. Mary Praveena S and Ila.Vennila, "Certain Investigation on Image Fusion using Block and Contrast based Techniques" , European Journal of Scientific Research ISSN 1450-216X Vol.62 No.3 (2011), pp. 354-367, © EuroJournals Publishing, Inc. 2011.
13. Judith Justin and Ila Vennila," Performance of Speech Recognition using Artificial neural Network and Fuzzy Logic", European Journal of Scientific Research, ISSN 1450-216X Vol.66 No.1 (2011), pp. 41-47, © EuroJournals Publishing, Inc. 2011.
14. Kathiravan Srinivasan and J.Kanakaraj, "A Study on Super-Resolution Image Reconstruction Techniques", International Journal of Computer Engineering and Intelligent Systems, Vol. 2, No.4, 2011.
15. Kathiravan Srinivasan and J.Kanakaraj, "A Robust Super-Resolution for petite image sequences", International Journal of Innovative Systems Design and Engineering, Vol. 2, No.4, 2011.
16. Kathiravan Srinivasan and J.Kanakaraj, "Image De-noising Using Improved Wavelet Coding: A super-resolution perspective", Australian Journal of Basic and Applied Sciences, 5(10): 1130-1136, 2011.
17. Kathiravan Srinivasan and J.Kanakaraj, "A non-neighbourhood super-resolution using phantom hashing", Australian Journal of Basic and Applied Sciences, 5(10): 607-612, 2011
18. P.Sweety Jose and Jenitha Deepa, 'Matrix converter Induction motor drive Using Space Vector Modulation Technique, ICGST International Journal on Automatic Control and systems engineering, ACSE, June 2011, pg no.9-14, vol.11, issue 1.
19. P.Sweety Jose, Jovitha Jerome and S Sathya Bama, 'Performance Enhancement of Direct Torque Control of Induction Motor Using Fuzzy Logic', ICTACT Journal on Soft Computing an International Publication of ICT Academy of Tamil Nadu, July 2011, pg no.218-223, Vol.2,Issue 1.
20. Sundaram Maruthachalam and Navaneethan Palaniswamy, "Determination of Flux linkage Characteristics and Inductance of a Submersible Switched Reluctance Motor using Software Tools", Journal of Computer Science, Volume 7, Issue 2, Pages 179-187, DOI: 10.3844/jcscsp.2011.179.187
21. M. Sundaram and P. Navaneethan, "On the Influence of Stator Slot shape on the Energy Conservation Associated with the Submersible Induction Motors", American Journal of Applied Sciences 8 (4): 393-399, 2011, ISSN 1546-9239
22. R.Krishna Kumar, "Genetic Algorithm based Tuning And Fuzzy based Gain Scheduling for Load Frequency Control of Two area interconnected Power systems", International Journal of Engineering Sciences Research, Platinum Blue Publishing Corporation, Volume 02, Issue 03, July 2011, pp 273-280
23. T.Balakumaran, Dr.Ila Vennila, "A Computer - aided Diagnosis System for Microcalcification Cluster Detection in Digital Mammogram", International Journal of Computer Applications, Vol. 34, No. 1, November 2011.
24. S.Sumathi and Surekha P., "Solution to the Job Shop Scheduling Problem using Hybrid Genetic Swarm Optimization Based on $(\lambda, 1)$ -Interval Fuzzy Processing Time", European Journal of Scientific Research, ISSN 1450-216X Vol.64 No.2 (2011, pp. 168-188), 2011.
25. L.Ashok Kumar, "Teleintimation Garment for Personnel Monitoring Applications (Reprint) – in Melliand China, in the Worldwide Textile Journal, pg no 66 – 67, August 2011.
26. G.Subashini, PU.Nivetha, M.C.Bhuvanewari, "A Bi-Objective Evolutionary Algorithm for Fault Tolerant Scheduling in Heterogeneous Systems", International Journal of Computational Intelligence Research, Vol 6-4, Dec 2010, pp 939-945.
27. G. Subashini, M.C. Bhuvanewari, "NSGA - II with Controlled Elitism for Scheduling Tasks in Heterogeneous Computing Systems", International Journal of Open Problems in Computer Science and Mathematics., Vol. 4, No. 1, March 2011, pp 214-227.
28. G. Subashini, M.C. Bhuvanewari, "Non Dominated Particle Swarm Optimization For Scheduling Independent Tasks On Heterogeneous Distributed Environments" , International Journal of Advances in Soft Computing and Its Applications, Vol.3, No.1, March 2011, pp 1-17.
29. G. Subashini, M.C. Bhuvanewari, "Dynamic NSPSO For Task Scheduling On Heterogeneous Systems", International Journal On Computer Engineering And Information Technology, Vol. 24, No. 1, June –August 2011, pp 22-30.
30. S.Jayanthy, M.C.Bhuvanewari, "Simulation based Low power Test Generation for Crosstalk delay Faults" International Journal of Modelling &Simulation, ISSN: 0288-6203, Volume 31, No. 3, 2011.

31. S.Jayanthy, M.C.Bhuvanewari, "An efficient multi-objective genetic algorithm for low power testing of crosstalk delay faults in VLSI circuits", *Advances in Modeling and Analysis[AMSE]*, Vol. 54, Issue2, 2011, pp 28-48.

Papers published in National Journals

1. J.Chelladurai, G.Saravana Ilango, C.Nagamani and D.Aravindan "DSP based Laboratory Implementation of SVPWM for Shunt Active Filter", *National Journal of Technology -ISSN 0973: volume 7 No.1 March 2011*, Pp- 65-72.
2. L. Ashok Kumar and R.Rudramoorthy, "Hybrid Power Systems - An Efficient Way of utilizing Primary Energy Sources", *Electrical India*, pg no. 100-110, Vol 51 No 2 February 2011.
3. L. Ashok Kumar, "Self Assisting Pneumatic Gloves for Physically Challenged Personnel", *Medical Equipment & Automation*, pg no. 82-89, Vol 4. No.2 Jan-Feb 2011.
4. D. S. Harish Ram, M. C. Bhuvanewari, S. M. Logesh, A Novel Evolutionary Technique for Multi-Objective Power, Area and Delay Optimization in High Level Synthesis of Datapaths, 2011 IEEE Computer Society Annual Symposium on VLSI, ISVLSI 2011, Chennai, July 4-6, 2011, pp 290-295
5. L. Ashok Kumar, Ila Vennila and T.Ramachandran, "Design and Development of Telemonitoring System using Mobile Network for Medical Applications – National Journal of Technology, pg no. 1 – 7, Vol.7, No.2, June 2011
6. D. S. Harish Ram, M. C. Bhuvanewari, S. M. Logesh, A Novel Evolutionary Technique for Multi-Objective Power, Area and Delay Optimization in High Level Synthesis of Datapaths, 2011 IEEE Computer Society Annual Symposium on VLSI, ISVLSI 2011, Chennai, July 4-6, 2011, pp 290-295
7. L.Ashok Kumar, "Hybrid Power Systems - An Efficient Way of utilizing Primary Energy Sources", *Electrical India*, pg no. 100-110, Vol 51 No 2 February 2011.
8. L.Ashok Kumar, "Self Assisting Pneumatic Gloves for Physically Challenged Personnel- in Medical Equipment & Automation, pg no. 82-89, Vol 4. No.2 Jan-Feb 2011.
9. L. Ashok Kumar, "Teleintimation Garment for Personnel Monitoring Applications: Design, Fabrication and Methodology" - 24th National Convention of Textile Engineers during 19 – 20 August 2011 conducted by IE (I), Karnataka State Centre, Bangalore.
10. L.Ashok Kumar, "Design, Development and Condition Monitoring of Domestic Wind mills", 4th Renewable Energy Conference – The Wind Edition" on 15th Nov 2011 Conducted by Exhibitions India Group, Coimbatore.

Papers presented in International Conferences

1. S.Jayanthy, M.C.Bhuvanewari, M.Prabhu, "Multiobjective Genetic Algorithm for low power testing of Crosstalk delay faults in Asynchronous circuits", *Proceedings of the International Conference on Emerging Trends in Computing March 17-18,2011*.
2. P.Sweety Jose, N.Chandra Deepika, S.N.Nisha, "Applications of Single Phase Matrix Converter", *International Conference on Emerging Trends in Electrical and Computer Technology*, 23-24, March 2011 pp.386 to 391.

Papers published in International Conferences

1. J.Yogapriya, Ila Vennila "Ultrasound Medical Image Retrieval using Multiple Feature Classifier Framework", *International Conference on Adaptive Technologies for Sustainable Growth ICATS-2011 held during June 16-18, 2011 Page No:277 to 284 at Paavai Engineering College, Namakkal, Tamil Nadu, India.*
2. J.Yogapriya, Ila Vennila " Image Retrieval System for Medical Images using Visual Features" *International Conference on Advanced Computing to be held during December 9-11, 2011 at PSG College of Technology, Coimbatore, Tamil Nadu, India.*
3. T.Balakumaran,. Ila Vennila , "Detection of Microcalcification Clusters in Digital Mammograms using Multiresolution based Foveal Algorithm" at the International conference of World Congress on Information and Communication Technologies (WICT-2011) during 11th-14th December 2011 at University of Mumbai, Mumbai. (indexed by IEEE Xplore).
4. R.Latha and J.Kanakaraj, "Enhanced Particle Swarm Optimization Technique for Economic Load Dispatch Problems" *proceedings of 2011 IEEE International Conference on Computational Intelligence and Computing Research*, at Cape Institute of Technology, Levekipuram, Kanyakumari- 627 114, December 15 – 18, 2011.
5. T.Bogaraj, M.Sathyanathan, J.Kanakaraj, "Modeling of Photovoltaic System and Design of MPPT Controller using Stepped P&O Algorithm", *Proceedings of International conference on Renewable Energy Technology*, PSG College of Technology, Coimbatore, 15-17, December, 2011.
6. L. Ashok Kumar and V.M.Murugesan, "Development of ECU Based Starting System for Automobiles" *IEEE -International Conference on Process Automation, Control and Computing*, during 20 Jul - 22 Jul 2011 at Coimbatore Institute of Technology, Coimbatore

7. L. Ashok Kumar and Sabarinathan, "Design and Simulation of 27 level Multilevel Inverter for Solar PV Applications" - International Conference on Enhancements in Power Electronics and Controls" during 24th – 25th Nov 2011, at PSG College of Technology, Coimbatore.
8. R.Krishna Kumar, "Pico Hydro Power Technology from domestic Water Supply System", Proceedings of International Conference on Renewable Energy Technologies, iCORET 2011, PSG College of Technology, Coimbatore, 15-17 December 2011, PP-233-236.
9. L.Ashok Kumar, "Development of LabVIEW Based Soldier Status Monitoring Software for Teleintimation Garment", First International Conference on "Modern Trends in Instrumentation and Control, during 2 - 3 Sep 2011 by Dept. of Instrumentation and Control Engg., PSG College of Technology, Coimbatore (Adjudged best paper in the conference).
10. L.Ashok Kumar, "Design, Development and Condition Monitoring of Domestic Wind mills" – 4th Renewable Energy Conference – The Wind Edition", Conducted by Exhibitions India Group, The Residency, Coimbatore.
11. S.M. Logesh, D.S. Harish Ram, M.C. Bhuvanewari, "Multi-objective Optimization of Power, Area and Delay during High-Level Synthesis of DFG's - A Genetic Algorithm Approach", International Conference on Electronic Computer Technology, ICECT 2011, Kanyakumari, April 8-10, 2011, Vol 1, pp 108-112.
12. D.S.Harish Ram, M.C.Bhuvanewari, S.M.Logesh, A Novel Evolutionary Technique for Multi-Objective Power, Area and Delay Optimization in High Level Synthesis of Datapaths, 2011 IEEE Computer Society Annual Symposium on VLSI, ISVLSI 2011, Chennai, July 4-6, 2011, pp 290-295
13. S.Jayanthy, M.C.Bhuvanewari, M.Prabhu," Multiobjective Genetic Algorithm for low power testing of Crosstalk delay faults in Asynchronous circuits", Proceedings of the International Conference on Emerging Trends in Computing March 17-18,2011

Papers published in National Conferences

1. L. Ashok Kumar, "Teleintimation Garment for Personnel Monitoring Applications: Design, Fabrication and Methodology" - 24th National Convention of Textile Engineers during 19 – 20 August 2011 conducted by IE (I), Karnataka State Centre, Bangalore.
2. L. Ashok Kumar, "Design and Fabrication of High Efficient Concentrated Silicon Photovoltaic-Thermal Module by Spectral Absorption Using Water" - National Conference for Post-graduate students 28th April 2011 Conducted by PSG College of Technology, Coimbatore.
3. T.Balakumaran, Ila Vennila, "Detection of Microcalcification Clusters in Digital Mamograms using Multiresolution based Foveal Algorithm", in the World Congress on Information and Communication Technologies (WICT-2011) during 11rd-14th December 2011 at University of Mumbai, Mumbai. (indexed by IEEE Xplore).
4. L.Ashok Kumar, "Design and Fabrication of High Efficient Single Phase Transformerless Inverter for Grid Connected Photovoltaic System" - National Conference for Post-graduate students 28th April 2011 Conducted by PSG College of Technology, Coimbatore.
5. L.Ashok Kumar, "Design, Implementation and Monitoring Wind Turbine for Domestic Applications"- National Conference for Post-graduate students 28th April 2011 Conducted by PSG College of Technology, Coimbatore.
6. L.Ashok Kumar, "Analysis, Design and Verification of High Frequency MOSFET gate drivers" - National Conference for Post-graduate students 28th April 2011 Conducted by PSG College of Technology, Coimbatore.

2012

Papers published in International Journals

1. L.Ashok Kumar, "Design and Development of a Pressure Sensing Device for Analysing the Pressure Comfort of Elastic Garments", journal – in Fibres & Textiles in Easter Europe, 2012, 20,1(90), 64-69.
2. Mr.R.Krishnakumar, "Performance comparison of LFC of two area interconnected power system for the performance indices ISE and ITAE with Optimum Integral controller gain designed using Genetic Algorithm", journal of Applied Engineering Research and Development, Transstellar Journal Publications & Research Consultancy Pvt. Ltd., Volume 2, issue1, pp30-39, March 2012.
3. S.Sumathi and A.Soundarajan, "Voltage and Frequency control in power generating system using hybrid evolutionary algorithms, Journal of Vibration and Control, Volume 18, No.2, February 2012.
4. S.Sumathi and D.Chandrakala, "Application of Artificial Bee Colony Optimization Algorithm for Image Classification using color and Texture Feature Similarity Fusion", International Scholarly Research Network ISRN Artificial Intelligence, Volume 2012, Article ID 426957, 2012.
5. T.Veerakumar, S.Esakkirajan and Ila Vennila, "An Approach to minimize very high Density salt and Pepper Noise through Trimmed Global Mean", International Journal of Computer Application (0975-8887) Volume 39, No.12, February 2012.

6. T.Veerakumar, S.Esakkirajan, and Ila Vennila, "Combined Fuzzy Logic and Unsymmetrical Median Filter Approach for the removal of High Density Impulse Noise" WSEAS Transactions on Signal Processing, Issue 1, Volume 8, Jan. 2012.
7. Paulchamy B, Ila Vennila, and Jayabalan Jaya, "A Qualitative Analysis of Independent Component Analysis Based Algorithms for the Removal of Artifacts from Electro encephalography Signals", Journal of Computer Sciences 8(3) :287-295, 2012.
8. T.Balakumaran, Gowrishankar, and Ila Vennila, "Detection of Microcalcification Clusters using Hessian Matrix and Foveal Segmentation method on Multiscale Analysis in Digital Mammogram", Journal of Digital Imaging, Spring, DOI :10.1007/S10275-012-9489.2 May 2012.
9. Kanakaraj J. and Kathiravan S, "Super-resolution image reconstruction using sparse parameter dictionary framework", Scientific Research and Essays Vol. 7(5), pp. 586-592, 9 February, 2012, DOI: 10.5897/SRE11.1904
10. D.Subbulekshmi, J.Kanakaraj. "GMC algorithm with IMC and other controllers for a Chemical Process", International Journal of Advanced Engineering Technology, manuscript number IJAET/246, IJAET/Vol.III/Issue I/pp18-21 January-March, 2012.
11. R. Latha, J. Kanakaraj, "Maintaining Stability in Distribution System with Microgrid using Neuro-Fuzzy", European Journal of Scientific Research, Vo.76, No.2, pp 316-326, May 2012.
12. Chandrakala D., S.Sumathi, "Application of Artificial Bee Colony optimization algorithm for image classification using color and Texture feature similarity fusion", International Scholarly Research Network Artificial Intelligence, ISRN Artificial Intelligence, Vol 2012, Article ID426957, PP 1-10, 2012.
13. Jayanthi S., Bhuvanewari M.C. and Sujitha, Keesarapalli. "Test Generation for Crosstalk-Induced Delay Faults in VLSI Circuits using Modified FAN algorithm", VLSI Design, Vol. 2012, Article ID 745861, 10 pages, 2012, doi:10.1155/2012/745861
14. L.Ashok Kumar, "Design and Development of a Pressure Sensing Device for Analysing the Pressure Comfort of Elastic Garments", in Fibres & Textiles in Easter Europe, 20,1(90), pp 64-69, 2012.
15. L.Ashok Kumar and V.M.Murugesan, "An Overview of Automobile Starting System Faults and Fault Diagnosis Methods", ARPN Journal of Engineering and Applied Sciences, Vol. 7, No. 7, ISSN 1819-6608, pp 812-919, July 2012.
16. S.Sumathi and P.Surekha, "Performance comparison of optimization techniques on robust digital image watermarking against attacks", Applied Artificial Intelligence – Taylor and Francis, Vol.26, No.7, pp.615-644, August 2012.
17. J.Kanakaraj and T.Bogaraj, "Development of MATLAB/SIMULINK Models for PV and Wind Systems and Review on Control Strategies for Hybrid Energy Systems", International Review on Modeling and Simulations (IREMOS), Vol.5.N.4, Part B, pp 1701-1709, August 2012.
18. R.Krishnakumar and S.Ian David, "Hydro Power Generation from Domestic Water Supply System and Development of Dynamic Flow Modelling", International Journal of Electrical & Electronics Engineering Research (IJEER) Transstellar Journal Publications & Research Consultancy P. Ltd., Vol.2, issue 3, pp94-105, ISSN: 2250-155X, Sep. 2012.
19. L.Ashok Kumar and V.M.Murugesan "A Novel Approach to Develop ECU Based Automobile Starting system using Lab view for Safe and Reliable Start", ARPN Journal of Engineering and Applied Sciences, Vol. 7, No. 7, ISSN 1819-6608, pp 867 – 879, July 2012.
20. G. Subashini , M.C. Bhuvanewari," Task Allocation in Distributed Computing Systems using Adaptive Particle Swarm Optimization", International Journal of Computer Applications and Technology, Vol.44,No.4 pp 293-302, 2012.
21. G. Subashini , M.C. Bhuvanewari," Comparison of Multi-objective Evolutionary Approaches for Task Scheduling in Distributed Computing Systems," Sadhana, Vol.37,No.6, pp 675-694, 2012.

Papers published in National Journals

1. L.Ashok Kumar, "Concept of Electricity Network Augmentation by Distributed Generation using Renewable Energy", journal Electrical Mirror, pg no 106-111, Vol I, Issue VII, Jan. 2012.
2. L.Ashok Kumar, "FACTS and HVDC Technologies for the Development of Future Power Systems", journal Electrical India, pg. no. 102 – 109, Vol. 52 No. 2 Feb 2012.
3. Sumathi, Surekha, "An Integrated GA-ABC Optimization Technique to Solve unit Commitment and Economic Dispatch Problems", Asian Journal of Scientific Research, 2012, ISSN 1992-1454 / DOI:10.3923/ajsr. 2012, 2012.
4. L.Ashok Kumar, "State-of-the-art of Power Electronics for Wind Turbines Systems – A Review", in Electrical India, pg no. 30 – 45, Vol 52, No 4 April 2012.
5. L.Ashok Kumar, "Review of Shunt Capacitor Bank fundamentals & Protection", Electrical Mirror, pg no. 38 to 41, Vol I, Issue XI, May 2012.
6. L.Ashok Kumar, "Elements for an Energy Efficient House", in Energy Blitz, pg no. 16-20, Vol-I (V), ISSN2249-2992, Apr-May 2012.
7. L.Ashok Kumar, "Promoting Energy Conservation Behaviour - in Electrical India, pg.no.72–76, Vol 52 No.6, June 2012.
8. L.Ashok Kumar, Elements for an Energy Efficient House – in Energy Blitz, pg no. 16-20, Vol-I (V), ISSN2249-2992, Apr-May 2012.
9. L.Ashok Kumar, Promoting Energy Conservation Behaviour - in Electrical India, pg.no.72-76, Vol 52 No.6, June 2012.

10. L.Ashok Kumar, Smart Transmission Grid: Vision and Framework-in Energy Blitz, pg.no.13-20, Vol-VI, ISSN2249-2992, June-July 2012.
11. L.Ashok Kumar, Intelligent Universal Transformer – A Boon to Modern Distribution System – Electrical Mirror, pg. no. 60-67, Vol II, Issue I, July 2012.
12. L.Ashok Kumar, Centralised Substation Automation System Using Information Technology – A Concept – Electrical India, pg.no.36-42, Vol 52, No 8, August 2012.
13. L.Ashok Kumar, Woody Biofuels – Past Present & Future- in Energy Blitz, pg.no. 11-13, Vol-II(I), ISSN2249-2992, Aug-Sep.2012.
14. L.Ashok Kumar, Transformer Design & Optimization - Electrical Mirror, pg. no. 42-47,Vol II, Issue IV, October 2012.
15. L.Ashok Kumar, Efficiency Improvement of PV Water Pumping Systems by Automatic Water Spraying over PV cells – National Journal of Technology, pg 20-32, ISSN-0973-1334, Vol.8, No.4, December 2012.

Papers published in International Conferences

1. L.Ashok Kumar, “Teleintimation Garment: A Wearable Electronic Garment for Soldier's Status” - 4th RMUTP International Conference: Textiles and Fashion Bangkok, Thailand during 3 – 6 July 2012, conducted by Rajamangala University of Technology, Thailand.
2. L.Ashok Kumar, “NBC Body Protective Clothing for Defense Applications - A Review” – International Conference on Industrial Textiles - InduTech 2012, during 3rd and 4th of August 2012. organized by Department of Textile Technology, PSG College of Technology, Coimbatore.
3. L.Ashok Kumar, “Implementation of Telemedicine In Defence Application Using Teleintimation Garment”, 8th International Telemedicine Conference – Telemedicon 12, Conducted by Telemedicine Society of India at Hotel LeMeridian, Coimbatore during 29th Nov – 1st Dec 2012.

Papers presented in National Conferences

1. L.Ashok Kumar, Analysis of Automobile Starter Solenoid Switch for Improved Starter Reliability – 28th National Convention of Mechanical Engineers on 3 – 5 Sep 2012, conducted by IE(I), Coimbatore chapter at PSG College of Technology, Coimbatore.
2. L.Ashok Kumar, Influence of ANN in Solar PV and Wind Energy Systems - A Review - Proceedings of the 28th National Convention of Electrical Engineers on 6th-7th October 2012 conducted by Institution of Engineers, Trivandrum.

2013

Papers published in International Journals

1. L.Ashok Kumar, “Design and Development of Cost-Effective Global Positioning System General Packet Radio Service Based Soldier Tracking System”, Journal of Engineering and Technology, Vol 3, Issue 1,pp 36-40, Jan-Jun 2013.
2. Rajkumar, P., and Bhuvanewari M.C., “Investigation of Segmentation Techniques in Microarray Data Analysis”, European Journal of Scientific Research (EJSR). Vol. 96, No. 2, pp. 274 - 284, February 2013.
3. Rajkumar P., Bhuvanewari M.C. “Investigation of Segmentation Techniques in Microarray Data Analysis”, European Journal of Scientific Research (EJSR). Vol. 96, No. 2, pp. 274 - 284, February 2013.
4. Jayanthi, S., Bhuvanewari, M.C. and Prabhu.M “Simulation based ATPG for low power testing of crosstalk delay faults in Asynchronous Circuits”. International Journal. Computer Applications in Technology, Vol. 48, No. 3, 2013, pp 241-252.[Inderscience Publishers]
5. Ram D. S. H., Bhuvanewari M. C., Umadevi S. “Improved Low Power FPGA Binding of Datapaths from Data Flow Graphs with NSGA II -based Schedule Selection” International Journal of Advances in Electrical and Computer Engineering,Vol.13,issue4,2013, pp. 85-92.
6. A Nandhini, M Shanthi and M C Bhuvanewari. Article: Performance Analysis of 4-bit Flash ADC with Different Comparators Designed in 0.18um Technology. International Journal of Computer Applications (IJCA) Proceedings on International Conference on Innovations In Intelligent Instrumentation, Optimization and Electrical Sciences ICIII OES(5); December 2013,pg.1-5
7. Rajkumar, P., Ila.Vennila, and Nirmalakumari, K. “A Novel Hybrid Method for Gene Selection in Microarray based Cancer Classification”,International Journal of Engineering Science and Technology (IJEST), Vol. 5,pp. 1104-1110,May 2013.
8. Ila.Vennila, Veerakumar.T, and Esakkirajan S., ‘Recursive Cubic Spline Interpolation Filter Approach for the Removal of High Density Salt and Pepper Noise’, Signal Image and Video Processing ,Springer, June 2013.

9. P.Rajkumar, Dr.Ila.Vennila and K.Nirmalakumari, "An Intelligent Segmentation Algorithm for Microarray Image Segmentation", *International Journal on Computer Science and Engineering (IJCSE)*, Vol. 5, pp. 528 - 537, June 2013.
10. Ila.Vennila, Veerakumar.T, and Esakkirajan S., 'Edge Preserving Adaptive Anisotropic Diffusion Filter Approach for the suppression of Impulse noise in Images', *International Journal of Electronics and Communications*, Elsevier, November 2013.
11. Latha. R and Kanakaraj, J, "Adaptive neuro-fuzzy inference system-particle swarm optimization based stability maintenance of power system networks", *American Journal of Applied Sciences*, Vol. 10, No.8, pp. 779-786, Sep 2013.
12. R. Kannan and J. Kanagaraj, "Performance Analysis Of An Induction Motor Drive Using Fuzzy Variable Structure Control" *Australian Journal of Basic and Applied Sciences*, 7(12), Pages: 51-59, Oct 2013.
13. R. Kannan, J. Kanakaraj, "Fuzzy Gain Scheduling and Fuzzy Logic Control Based Induction Motor Drives Using Variable Structure Control Methodology" *Int. Journal of Engineering Research and Applications*, Vol. 3, Issue 6, pp.1104-1110 Nov-Dec 2013
14. R. Kannan, J. Kanakaraj, "Fuzzy Gain Scheduling Based Induction Motor Drive Using Variable Structure Control" *Journal of Applied Sciences Research*, 9(10): 5533-5540, 2013
15. L.Ashok Kumar, Stand-Alone Solar Power Generation System with Constant Current Discharge, *International Journal of Emerging Trends in Electrical and Electronics*, ISSN: 2320-9569, pg.no. 108-115, Vol. 5, Issue. 1, July-2013.
16. L.Ashok Kumar, A Novel Nine-Switch Converter for Solar Energy Generation Systems, *International Journal of Applied Research and Studies*, ISSN: 2278-9480, pg.no.1-6, Volume 2, Issue 6, June 2013.
17. V.M.Murugesan, Dept. of Automobile Engineering and L.Ashok Kumar, Dept. of EEE, Fault Diagnosis of Medium Duty Commercial Vehicle Engine Starting System Using Fuzzy Logic Algorithm to Improve Starter Reliability And Reduced Emission, *International Journal of Pollution Research Journal*, ISSN 0257-8050, 32 (3) : 663-668, Poll Res. August 2013.
18. L.Ashok Kumar, Modeling of Control and Power Management of a Hybrid Wind-Solar System Using Optimization Technique, *International Review on Modeling and Simulations*, ISSN 1974-9821, Vol.6, N.5, pg.no. 1570 – 1580, October 2013.

Papers published in National Journals

1. L.Ashok Kumar, Communication Architectures in Smart Grid – in *Electrical India*, pg. no. 24-46, Vol 53, No.2, February 2013.
2. L.Ashok Kumar, Reactive Power Management with Capacitors for Renewable Energy Applications - *Electrical Mirror*, pg. no. 66-73, Vol II, Issue VIII, February 2013.
3. L.Ashok Kumar, A Review on Effective Lightning Protection for Wind Turbine Generators – *The Journal of CPRI*, pg. no. 45- 51, ISSN 0973-0338, Vol 9, Iss1, March 2013.
4. L.Ashok Kumar, Review on Power Electronic Converters for Wind Turbine Systems- *Electrical India*, pg.no. 24 – 38, Vol 53, No.4, April 2013.
5. L.Ashok Kumar, Energy Management for Motors, Systems and Electrical Equipment – A Report – in *Electrical India*, pg. no. 58 – 67, Vol.53, No.6, June 2013.
6. L.Ashok Kumar, Dynamic Model for Transient Stability Analysis of T&D system with DG - *Electrical Mirror*, pg. no. 68-72, Vol III, Issue I, July 2013.
7. L.Ashok Kumar, Design & Simulation of Multi Input Converter for Hybrid Vehicle Applications - *National Journal of Technology*, Vol.9, No.3, pg.no. 1 – 9, September 2013.
8. L.Ashok Kumar, A Study on Energy Conservation in Textile Industry- *Journal of Institute of Engineers, India*, Springer Publications, Ser. B (March–May 2013) 94(1):53–60
9. Veerakumar, T., Esakkirajan, S., and Ila Vennila, 'Salt and Pepper Noise Removal Using Adaptive Decision based Improved Bilateral Filter,' *National Journal of Technology*, July 2013.

Papers presented in International Conferences

1. L.Ashok Kumar, "Magnetic repulsive method for self starting of straight bladed Darrieus VAWT" in *International Conference on Computational Intelligence and Advanced Manufacturing Research* at Vels University, Chennai 5th April 2013.
2. L. Ashok Kumar, Locator and Communicative Device for Dementia Patients, *International Congress on Emergency Medical Service Systems and Innovation & Entrepreneur-ship in Healthcare (EMS-IEH 2013)* at All India Institute of Medical Sciences, New Delhi, 18th to 20th October 2013.

Papers presented in National Conferences

1. L.Ashok Kumar, "Design and Analysis of Magnetic Levitation Based VAWT"- National Conference on Frontiers in Mechanical Sciences and Automotive Technology on 6th April 2013, Tamilnadu College of Engineering, Coimbatore.
2. L.Ashok Kumar, "Experimentation on improvement of low speed wind energy harvesting through magnetic levitation concept"- National Conference on Green Energy, on 20th April 2013, RMD college of Engineering, Chennai.

2014

Papers published in International Journals

1. L.Ashok Kumar, Dept. of EEE and Dr.P.Rani, Dept. of Biotechnology, Microcontroller Based Remote Tracking System for Dementia Patients, International Journal of Applied Engineering Research & Development, ISSN 2250-1584, vol.4 Issue I, Pg.No. 1- 6, Feb. 2014.
2. L.Ashok Kumar, Dept. of EEE, A Detailed Current Harmonics Analysis and GA Based Passive LC Filter Design in Six-Pulse Variable Frequency Drive, International Journal of the Indian Pulp and Paper technical Association (IPPTA) Vol.26,No.2,pp 80 – 88, April-June, 2014.
3. L.Ashok Kumar, Dept. of EEE, Design of Passive Filters for Reducing Harmonic Distortion and Correcting Power Factor in Two Pulse Rectifier Systems using Optimization, Journal of Theoretical and Applied Information Technology(JATIT) Vol.62,No.3,pp 720-728, 2014.
4. L.Ashok Kumar, Dept. of EEE, Design of Passive Filters for Reducing Harmonic Distortion and Correcting Power Factor in Two Pulse Rectifier Systems using Optimization, Journal of Theoretical & Applied Information Technology, Vol.62, No.3, Pg.No. 720-728 ISSN 1992-8645. April 2014.

Papers published in National Journals

1. L.Ashok Kumar, Reliability Assessment of Solar PV Power System – Review of Current Status and Future Prospective, Smart Energy, Feb / Mar 2014, Vol. I Issue I, 54 – 59.
2. L.Ashok Kumar, Study on Power System issues in Solar PV Interface using Automated Power Quality Analysis, Electrical India, pg.no.58-68, Vol.54, No.4 April 2014.

Papers presented in International Conferences

1. L. Ashok Kumar, Switched Reluctance Machine Analysis using Different Software Platforms, National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore.
2. L. Ashok Kumar, Modelling and Simulation of Dynamic Voltage Restorer (DVR) for Power Quality Improvement in Solar Power Plant National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore.
3. L. Ashok Kumar, Design and Analysis of Highly Efficient and Reliable Single Phase Transformerless Inverter for Grid Connected PV Systems, National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore.
4. L. Ashok Kumar, Hot Standby (Redundancy) Operation of Variable Frequency Drives, National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore.
5. L. Ashok Kumar, Design of a Multi Input Power Converter for Renewable Energy Applications, National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore.
6. L. Ashok Kumar, Analysis and Comparison of Dynamic Performance of Various PLLs, National Conference on Recent Trends in Electrical & Electronics Engineering on 9th May 2014, conducted by Dept. of EEE, PSG College of Technology, Coimbatore