Dr.L.Murali

Associate Professor

Department of Electronics and Communication Engineering

P.A College of Engineering &Technology

Pollachi-642002

Mobile No: 09894095747

Email ID: murlak37@gmail.com

Area of Specialization: Signal Processing, Image Processing

List of Publications

1. N.Paramesh Kumar, S.Vijayabaskar, L.Murali, 'Forecasting biofuel production using adaptive integrated optimization network model', Journal of Fuels, Elsevier,283- 118764, 2020.

2. Meenakshi Sundhari R.P, Murali, L., Baskar, S., & Shakeel, P. M, 2020 'MDRP: Message dissemination with re-route planning method for emergency vehicle information exchange', Journal of Peer-to-Peer Networking and Applications, Doi.org/10.1007/s12083-020-00936-z.

3. Geetha, V, Anbumani, V, Sasikala, S, L.Murali, 'Efficient hybrid multi-level matching with diverse set of features for image retrieval', Journal of Soft Computing, Vol.24, pp.12267–12288. Doi.org/10.1007/s00500-020-04671-8.

4. G Swaminathan, G Murugesan, S Sasikala, L Murali, 2020 'A novel implementation of combined systolic and folded architectures for adaptive filters in FPGA', Journal of Microprocessors and Microsystems, Elsevier, Doi.org/10.1016/j.micpro.2020.103018

5. K.Senthil kumar, T. Manigandan, D.Chitra and L.Murali,2019, ' Object recognition using Hausdorff distance for multimedia applications', Journal of Multimedia Tools and Applications, Springer, DOI: 10.1007/s11042-019-07774-z.

6. K.Senthil kumar, T. Manigandan, D.Chitra and L.Murali, ' Performance Analysis of Hardware / Software Model for Object Detection and Tracking in Moving Objects', Journal of Electrical Engineering, ISSN: 1582-4594

7. Murali,L, T.Manigandan, D.Chitra &Sujatha.k, 2017, 'Low Power and Area Efficient Parallel FIR Digital Filter Structure Using Modified Sqrt Carry Select Adder', International Journal of Pure and Applied Mathematics, Volume 117 No. 22 2017, 193-197.

8. Murali, L &B. Saranraj 2017, 'Design of High Speed Architecture for a LDPC Decoder', International Journal of Pure and Applied Mathematics, Volume 117 No. 22 2017, 215-219.

9. Murali, L, Manigandan, T, Chitra, D &Priyanga, P 2016, 'Epileptic Seizure Detection Using Svm Classifier Based On Temporal And Spectral Features', Asian Journal of Research in Social Sciences and Humanities ISSN:2249-7315 (Online), vol. 6 no.8, 489-502

10. Murali, L, Chitra, D, Manigandan, T &sharanya, B 2015, 'An Efficient Adaptive Filter Architecture for Improving the Seizure Detection in EEG Signal', International Journal of Circuits Systems and Signal Processing, Springer Birkhauser, DOI: 10.1007/s00034-015-0178-2, Vol.35, No.8, 2914-2931. ISSN: 0278-081X. IF – 1.118.

11. Murali, L, Anju P R 2015, 'Detection of epeliptic seizure by using cross recurrence quantification analysis and artificial neural network', International Journal of Applied Engineering Research, Vol 10, pp.17059-17063.

12. Murali, L, Manigandan, T, Chitra, D &Vishnugopika, S 2014, 'Mixed Domain VLSI Approach for ECG QRS Complex Detection', International Journal of Applied Engineering Research, vol. 9, no. 24, pp. 27067-27081. ISSN: 0973-4562.

13. Murali, L, Chitra, D &Manigandan, T 2014, 'Low Power Distributed Arithmetic Based Fir Filter', Middle East Journal of Scientific Research, vol. 22, no. 4, pp. 532-536, ISSN: 1990-9233. IF – 0.465.

14. Murali, L, Chitra, D &Manigandan, T 2014, 'Low Power Adder Based Digital Filter for QRS Detector', The Scientific World Journal, pp. 1-6, ISSN: 1537-744X. IF – 1.219.

15. Murali, L, 'Design and Implementation of Low power Carry select Adder using Positive feedback Adiabatic Logic in ALU', National Conference on System Design and Information Processing, Dated 7 April 2018.

16. Murali, L, 'Design of memory array using modified 7T SRAM with low short circuit and standby power' Design and Implementation of Low power Carry select Adder using Positive feedback Adiabatic Logic in ALU', National Conference on System Design and Information Processing, Dated 7 April 2018.