

List of publications 2015

1. Yamuna K. Moorthy, Sakuntala S. Pillai, "Performance Analysis of Cooperative Spectrum Sensing for Cognitive Radios in Nakagami-m Fading Channels", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-5 Issue-2, December 2015
2. Mini S. P., S. Viswanatha Rao, Sakuntala S. Pillai, "Traffic-Aware Channel Allocation Scheme to Improve the Throughput of IEEE 802.15.4 based Wireless Sensor Networks", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ISSN (Print) : 2320 – 3765, Vol. 4, Issue 11, November 2015
3. Vivek Sureshkumar, Sheba Elizabeth Kurien, Smilu Sunny, Stephy James, Lakshmy .S, "Electronic Vein Finder", International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 10, October 2015
4. Anu Mariam John, Shilpi Varshney, "FPGA Implementation of 32-bit MIPS Processor with CISC Multiplication Operation", International Journal of Engineering Research & Technology, ISSN(online):2278-0181, Volume. 4 - Issue. 11 , November 2015
5. Anu J. Mohan, M.J. Jayashree "Detection of Diabetic Retinopathy", International Research Journal of Computer Science IRJCS Volume2, Issue 10, October, 2015
6. Swapna P S, Sakuntala S. Pillai, "Downlink Resource Allocation Scheme for OFDMA System", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-5 Issue-1, October 2015
7. Anu J. Mohan, M.J. Jayashree "Detection of diabetic retinopathy using blood vessels", International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181, Vol. 4 Issue 09, September-2015, pp 785-790.
8. Lakshmy S." FPGA based design of Pipeline 2D-DCT and quantisation architecture of JPEG Encoder", Intl. Journal of Advanced Engineering and Global Technology. Vol-03, Issue-09, September 2015.
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10. Priyanka Mariam, Anu Anna John, "MIMO-TDCS Channel Capacity Enhancement Using Coupling Compensation And Butler Matrix", International Journal of Research and Engineering (IJRE), ISSN: 2348-7860 (Online), ISSN: 2348-7852(Print), Volume 2, Issue 8, August 2015.
11. Sruthi S, Suma Sekhar, Sakuntala S Pillai , "Robust Optimal PSO based Wavelet Feature Selection in MIMO OFDM Systems", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-4 Issue-6, August 2015
12. Anu J. Mohan, M.J. Jayashree, "Techniques for the detection of blood vessels in diabetic retinopathy", IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-

ISSN: 2278-8727, Volume 17, Issue 4, Ver.1 (Jul.-Aug.2015), pp 77-81.

13. Aparna Ashok and Deepa P. L., "Image Deblurring using L0 Sparse and Directional Filters" in International Journal of Image Processing (IJIP), Vol. 9, Issue 4, July – August, 2015.
14. Nayana A., Anoop K. Johnson, "High Dynamic Range Imaging- A Review" in International Journal of Image Processing (IJIP), Vol. 9, Issue 4, July – August, 2015.
15. Madhuri P. L., Anu Anna John, "SDSELMS – A Simplified Adaptive Channel Estimation Algorithm for MIMO-OFDM System," International Organization of Scientific Research Journal of Electronics and Communication Engineering (IOSR-JECE), ISSN: 2278-2834(Online), ISSN: 2278-8735 (Print), Vol. 10, Issue 4, Ver. I, pp. 39-45, July-Aug. 2015.
16. Neenu Raju, Sakuntala.S. Pillai, "Performance Evaluation of PAPR Reduction Techniques in Filter Bank based Multicarrier Systems under AWGN and Fading Channels", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875 (Online), ISSN: 2320-3765 (print), Vol. 4, Issue 7, July 2015.
17. Sherry Varghese George, Luxy Mathews, Sakuntala S. Pillai, "A New Approach for the Modeling of LTE/LTE-A Downlink/Uplink Systems based on LTE System Toolbox", International Journal of Research in Electronics and Computer Engineering (IJRECE), ISSN: 2393-9028 (print), ISSN: 2348-2281 (Online), Vol. 3, Issue 3, pp. 48-51, July 2015.
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19. Mini S.P, S. Viswanatha Rao, Sakuntala S.Pillai, "Throughput Enhancement of Wireless Sensor Networks with IEEE 802.15.4 MAC based on Channel Allocation", International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708, Vol.2, Issue 7, July 2015.
20. Sandhya Y. A., Swapna P. S., Dr. Sakuntala S. Pillai, "Analysis of Spectral Efficiency in Downlink OFDMA Femtocell Networks", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875 (Online), ISSN: 2320-3765 (print), Vol 4, Issue 7, July 2015.
21. Anu Anna John, Vidhyacharan Bhaskar, "Performance modelling of open loop and closed loop multiuser multiple-input multiple-output-orthogonal frequency division multiplexing systems through channel analysis", IET Communications, ISSN 1751-8628 (Print), ISSN 1751-8636(Online) Volume 9, Issue 11, 23 July 2015, p. 1355 – 1366
22. Saira Thomas, Athira.V "Transform Domain Watermarking Based On Compressive Sensing and Scrambling", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875 (Online), ISSN: 2320-3765 (print), Volume 4, Issue 7, July 2015.
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 26. Anju G. Nair, Paul Thomas "A Novel Method for ECG Feature Extraction and Classification using ANN", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875 (Online), ISSN: 2320-3765 (print), Volume 4, Issue 7, July 2015.
 27. Anu V. S., Paul Thomas, "An Improved Method for Classification of Epileptic EEG Signals based on Spectral features using k-NN", SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE), ISSN: 2348 – 8549 (Online), ISSN: 2349 - 9184 (print), Vol. 2, Issue 7, July 2015.
 28. Geethu S. S, S. Narayanan, "BER Performance Analysis of Powerline Communication using Turbo Code", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875 (Online), ISSN: 2320-3765 (print), Vol.7, Issue 7, July 2015.
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 34. Linta Raj, Ancy S. Anselam, Dr. Sakuntala S. Pillai, "Performance Analysis of Speech Enhancement Techniques in Low Bit Rate Speech Coders", International Journal for

Engineering and Advanced Technologies (IJEAT), ISSN: 2249-8958 (Online), Volume-4 Issue-5, June 2015.

35. Sweety Robins, Swapna P. S., Dr. Sakuntala S. Pillai, "Performance Analysis of Relay Aided TCOFDM", International Journal of Engineering and Innovative Technology (IJEIT), ISSN: 2277 -3754, Volume 4, Issue 12, June 2015.
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41. Anju G. Nair, Paul Thomas "Feature Extraction and Classification of ECG Signal using Independent Component Analysis", International Journal of Research in Electronics and Computer Engineering (IJRECE), ISSN: 2321-3159 (Online), ISSN: 2321-3140, Vol.3 Issue 2, April-June 2015.
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