

## Annexure II

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### **List of Publications:**

1. Kalaivaani,P.T.,Rajeswari,A., (2015) “The Gang Injection Filtering algorithm based Authentication Scheme with Spatial correlation Method for Wireless Sensor Networks”, ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol.10,No.9, pp:3974-3979.
2. J.Jenitta and A. Rajeswari,“An Optimized Baseline Wander Removal Algorithm Based on Ensemble Empirical Mode Decomposition”, IAENG International Journal of Computer Science, Vol. 42, Issue 2, pp. 95 – 106, June 2015
3. AnanthaNarayanan,V., Rajeswari,A., GouthamKashyap P. and A.Sharad (2015) “An Attack Perceptive Approach for reliable and Secure Wireless Connectivity Between Medical Devices in Public Environment”, Int. Journal of Applied Engineering Research, Vol. 10 No.5 pp: 6581-6600.
4. JebarajJenitta, ArumugamRajeswari, “Ensemble empirical mode decomposition-based optimised power line interference removal algorithm for electrocardiogram signal”, IET Signal Processing, 2016, 10, (6), p. 583-591, DOI: 10.1049/iet-spr.2015.0292 IET Digital Library, <http://digital-library.theiet.org/content/journals/10.1049/iet-spr.2015.0292> (Impact factor 0.91)
5. Kalaivaani, P. T., and A. Rajeswari. "Spatial Correlation Based Cross Layer Approach with Routing in Wireless Sensor Networks." Wireless PersCommun (2016). doi:10.1007/s11277-016-3365-y
6. S.Dhivya, A.Rajeswari, R.Aswatha, (2017) “Implementation of Energy detection based spectrum sensing in NI USRP 2920”, in International Journal of Electronics, Electrical and Computational System, volume 6, Issue 2, pp.92-95.
7. Christina, A.Rajeswari, “Real Time Analysis of a 24 GHz Planar Microstrip Antenna for Vehicular Communications”, in Wireless Personal Communications, (2017), pp. 1-11, doi:10.1007/s11277-017-4557-9.
8. Poongothai M, Rajeswari A and Jabar Ali (2018), “Hybrid Metaheuristic Algorithm for Real Time Task Assignment Problem in Heterogeneous Multiprocessors”, International Arab Journal of Information Technology, Vol.15,No.3, pp. 445-453. (Impact Factor 0.92)

9. B.Bhuvaneshwari, Dr. A. Rajeswari, "3D Reconstruction of micro and nano components using Scanning Electron Microscopy images", *Journal of Computational and Theoretical Nanoscience*, Volume 15, Number 3, 876–885, March 2018.
10. SentthilVinayakam. T, Rajeswari. A, 2018, 'QOS improvement for multi-media traffic, using EDF -PSO - Hybrid scheduler in Layer-2 of 4G Wireless downlink", *Journal of Electrical Engineering*, ISSN: 1582-4594 (Print) [Accepted on 24 May 2018]- AU Annexure Journal
11. SentthilVinayakam. T, Rajeswari. A, 2018, 'LWDF-DiscMOPSO-EDF Hybrid OFDM Downlink Schedulers for Improved Performance in 4G Networks , *Applied Mathematics and Information Science*, ISSN: 2325-0399(Print) [Accepted vide Email dated 3rd Jan 2019.]- AU Annexure Journal.
12. R. Sasikumar, V. Ananthanarayanan, A. Rajeswari,"An intelligent Pico cell range expansion technique for heterogeneous wireless networks" *Indian Journal Of Science and Technology*, vol.9(9), DOI: 10.17485/ ijst/ 2016/ v9i9 /67610, March 2016.
13. M Poongothai, A Rajeswari, AJ Ali, "A Multiobjective Approach for Real Time Task Assignment Problem in Heterogeneous Multiprocessors", *Malaysian Journal of Computer Science* 32 (2), 2019,112-132
14. P. T. Kalaivaani and A. Rajeswari, "An analysis of H-MAC, HSMAC and H-MAC based AOMDV for wireless sensor networks to achieve energy efficiency using spatial correlation concept," *Electronics and Communication Systems (ICECS)*, 2015 2nd International Conference on, Coimbatore,2015,pp.796-801.doi: 10.1109/ECS.2015.7125021.
15. S. Mathivanan, A. Rajeswari, "Design and Analysis of A Single Wide Band 24 GHz Planar Microstrip Antenna for Vehicular Communications" in the proc. of International Conference on Telecommunication Technology & Management (ICTTM 2015) at IIT Delhi, during 11-12 April 2015
16. P.TKALAIVANI, A. Rajeswari, "An Energy-efficient Wireless Sensor Networks with Spatial Correlation Method Using Various Topologies" in the proc. of International Conference on Telecommunication Technology & Management (ICTTM 2015) at IIT Delhi, during 11-12 April 2015
17. Poongothai, M, Rajeswari A, "Application of Hybrid Meta-heuristic Algorithm for Assigning Real-time Tasks To Heterogeneous Processors', in the proc. of Sixth International conference on Computing and Communication and Networking Technologies, Dallas – Fort Worth, Texas, USA, IEEE – 35239 , 2015.
18. Poongothai, M., and A. Rajeswari. "A Hybrid Ant Colony Tabu Search Algorithm for Solving Task Assignment Problem in Heterogeneous Processors." *Proceedings of the International Conference on Soft Computing Systems*. Springer India, December 2015.
19. Amalin Marina S, ShunbagaPradeepa T and Rajeswari A, " Analysis of full adder using adiabatic charge recovery logic", in the proc. of International Conference on Circuit, Power and Computing, March 18-19, 2016.

20. P.Sowmbika, A.Rajeswari, P.Kalaimagal, M.Ramya and M.Ranjitha, "Improved Emotional Speech Recognition Algorithms", in the proc. of in IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), March 23-26,2016
21. BenittaSherlin, P H Rao, George Thomas and Rajeswari A, "RCS Reduction with RF Cloak", in the proc. of IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), March 23-26,2016.
22. G.Christina, A.Rajeswari, Lavanya.M, Keerthana.J, Ilamathi.K, Manoranjitha.V, "Design and Development of Wearable Antennas for Tele-Medicine Applications", in the proc. of International Conference on Communication and Signal processing, April 6-8, 2016
23. J. Jenitta and A. Rajeswari, "Bivariate Empirical Mode Decomposition based ECG Signal Denoising" proceedings of International Conference on Recent Trends in Engineering and Technology (ICRTET-2014), 28-30 March, 2014
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25. G. Christina, Rajeswari A, "Design of 60 GHz Array Antennas for Short Range Communication," in the proc. of International Conference on Computational and Communication Technologies (ICCT 2016) is being organized on June 14-15, 2016. Kulalumpur Malaysia
26. G. Christina, Rajeswari A, Design and Development of Millimetre Wave Microstrip Antennas for Short Range Radar Communications 'in the proc. of International Conference on Advances in Computational Intelligence in Communication CIC 2016 , Pondicheery during 19-21, October 2016.
27. Muthusubramanian, Rajeswari A, "Multi-Level Security of Embedded Systems in Internet of Things using Power Analysis", in the proc. of International Conference on Advances in Computational Intelligence in Communication CIC 2016 , Pondicheery during 19-21, October 2016.
28. Bhuvaneswari B, Rajeswari A, Benchmark and Result analysis of 3D reconstruction with structured light scanning", in the proc. of International Conference on Advances in Computational Intelligence in Communication CIC 2016 , Pondicheery during 19-21, October 2016.
29. Karthikeyan S, Muthulakshmi C and Rajeswari A, "Modeling and implementation of an UMTS Femto Cell Network for reducing radiation hazards", in the proc. Of INTERNATIONAL CONFERENCE FOR CONVERGENCE IN TECHNOLOGY (I2CT) 2017 during April 7- 9, 2017
30. M.Ramya, A.Rajeswari, "Implementation of Energy Detection and Eigenvalue Based Double Threshold Detection Techniques using NI USRP 2920", at International Conference

on Information Technology, Nanyang Technological University, Singapore during 27th–29th December 2017

31. A.Rajeswari, M.Ramya, “Implementation of 2X2 OFDM based MIMO System using NI USRP 2920”, in an 11th International Conference on ATMS 2018 during 5th to 7th February, 2018
32. M.Poongothai, P.Muthu Subramanian, A.Rajeswari, “ Design and Implementation of IoT based smart laboratory” International conference on Industrial Engineering and Applications (ICIEA 2018) organized by National University of Singapore, during 26th -28th, April 2018.
33. A.Rajeswari, M.Sowmiya, L.Vijayalakshmi, “Implementation of 2X2 MIMO system using NI USRP 2920”, in the proc., National conference on Information and Communication Technology, Coimbatore, February 2015.
34. S Mathivanan, A Rajeswari and G Christina, “Analysis and Simulation of Wide band 24 GHz Planar Microstrip Monopole Antenna,” in the IJCA Proceedings on National Conference on Information and Communication Technologies NCICT 2015(1):9-12, September 2015.
35. Poongothai, M, Rajeswari, A & UmerFarook K A 2015, ‘Application of Meta-heuristic Algorithm for Real Time Task Assignment Problem In Heterogeneous Network’ in proc. of National conference on information and Communication Technologies NCICT’15, Coimbatore Institute of Technology, February 19-20, 2015
36. D. Diana Josephine, A. Rajeswari , ”Implementation of Improved Cluster based Co-operative spectrum sensing in Cognitive Radio on WARP test bed” in proc. Of National Conference of Circuits, Networks and Systems (NCCNS16), Coimbatore Institute of Technology, April 22, 2016.
37. Christina G, Rajeswari A, “Design of 60GHz Array antennas for Short Range Communication,” in the proc. of International Conference of Computation and Communication Technologies (ICCC 2016), June -16, 2016.
38. C Joesph, A Rajeswari, B Premalatha, C Balapriya, “Implementation of physiological signal based emotion recognition algorithm”, IEEE 36th International Conference on Data Engineering (ICDE), 2020, 2075-2079
39. M Ramya, A Rajeswari, “Implementation of Compressive Spectrum Sensing Technique in Software Defined Radio Test Bed to Support towards 5G”, Solid State Technology 63 (1), 2020, 107-116
40. PM Subramanian, A Rajeswari , “Novel Approach for Power Analysis in Microcontrollers”, International Conference on Communication, Computing and Electronics Systems, 2020, pp 525-531
41. R Chordia, R Gupta, M Ramya, A Rajeswari, “Imposition and Transmission of QPSK Communication Through LabVIEW Using USRP”, International Conference on Communication and Intelligent Systems, 2019, 309-321

42. C Joseph, A Rajeswari, "Emotion Recognition from Facial Images for Tamil Language Speakers", International Conference on Machine Intelligence and Signal Processing, 2019, 57-69
43. V Sowmya, A Rajeswari, "Speech Emotion Recognition for Tamil Language Speakers", International Conference on Machine Intelligence and Signal Processing, 2019, 125-136