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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. Anantha Narayanan,V., Rajeswari,A., Goutham Kashyap 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. Jebaraj Jenitta, Arumugam Rajeswari, “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. Rajeswari, P. T. Kalaivaani, “Energy Efficient Routing Protocols for Wireless Sensor Networks Using Spatial Correlation Based Collaborative Medium Access Control”, in *the proc. of Advances in Computing and Communications* 2011, Volume 192, Part 2, pp 143-156, DOI: 10.1007/978-3-642-22720-2_14 , Springer Verlag Berlin Heidelberg 2011. [Annexure II 4031 Communications in Computer and Information Science 18650929 Germany Springer Verlag
6. Kalaivaani, P. T., and A. Rajeswari. "Spatial Correlation Based Cross Layer Approach with Routing in Wireless Sensor Networks." *Wireless Pers Commun* (2016). doi:10.1007/s11277-016-3365-y
7. 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.
8. Christina, A.Rajeswari, “Real Time Analysis of a 24 GHz Planar Microstrip Antenn for Vehicular Communications”, in *Wireless Personal Communications*, (2017), pp.1-11, doi:10.1007/s11277-017-4557-9.
9. 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/ ijt/ 2016/ v9i9 /67610, March 2016.

International Conferences:

10. Anantha Narayanan V and Rajeswari, A. “Automatic Traffic Classification Using Machine Learning Algorithm For Policy Based Routing In UMTS-WLAN Interworking”, in the *proc. of ICAEES 2014, Artificial Intelligence and Evolutionary Algorithms in Engineering Systems Advances in Intelligent Systems and Computing* Volume 324, 2015, pp 305-312 Date: 02 Nov 2014, DOI 10.1007/978-81-322-2126-5_34, Print ISBN 978-81-322-2125-8, Online ISBN 978-81-322-2126-5, Series ISSN 2194-5357 Publisher Springer India.

11. 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.
12. 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
13. 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
14. 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.
15. 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.
16. Amalin Marina S, Shunbaga Pradeepa 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.
17. P. Sowmbika, A. Rajeswari, P. Kalaimagal, M. Ramya and M. Ranjitha, "Improved Emotional Speech Recognition Algorithms", in the proc. of IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), March 23-26, 2016.
18. Benitta Sherlin, 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.
19. 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
20. S. A. Marina, T. S. Pradeepa and A. Rajeswari, "Analysis of full adder using adiabatic charge recovery logic," 2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT), Nagercoil, India, 2016, pp. 1-6. doi: 10.1109/ICCPCT.2016.7530184
21. 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 (ICCCT 2016) is being organized on June 14 -15, 2016. Kulalumpur Malaysia
22. 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.
23. 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.
24. 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.
25. 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.