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List of Publications

1. S. Kalaivani, C. Tharini, "Analysis and Implementation of Novel Rice Golomb Coding Algorithm for Wireless Sensor Networks", Computer Communications, Vol. 150, Issue 15, pp. 463-471, 2020. ISSN 0140-3664. https://doi.org/10.1016/j.comcom.2019.11.046.

2. Parnasree Chakraborty, C. Tharini, "Pneumonia and Eye Disease Detection using Convolutional Neural Networks", Engineering, Technology & Applied Science Research ,Vol. 10, No. 3, June 2020, pp.5769-5774, eISSN 1792-8036, pISSN 2241-4487, Web of Science, Emerging Sources Citation Indexed

3. R. Mahalakshmi, P.V. Bhuvaneshwari, C. Tharini & Vidyacharan Bhaskar "A Novel Algorithm to design Rate Adaptive Irregular LDPC codes" Wireless Personal Communications, Springer March 2020. https://doi.org/10.1007/s11277-020-07223-3

4. S. Kalaivani, C. Tharini, K. Saranya, Kosireddy Priyanka, "Design and Implementation of Hybrid Compression Algorithm for Personal Health Care Big Data Applications". Wireless Personal Communication Vol. 113, pp. 599-615, 2020. https://doi.org/10.1007/s11277-020-07241-1

5. S.Kalaivani and C.Tharini, "Analysis and implementation of novel Rice Golomb coding algorithm for wireless sensor networks", Volume 150, 15 January 2020, Pages 463-471. https://doi.org/10.1016/j.comcom.2019.11.046

6. Ambika, A. & Tharini, C. & Ali, M "Novel D SRR-based dual band antenna for WiMAX/C applications" Microwave and Optical Technology Letters. 61. 10.1002/mop.31578, 2018

7. G. Sudha, Dr. C. Tharini, "Modified Contourlet Transform Based Effective Image Compression Framework for Wireless Sensor Networks", Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 01-Special Issue, 2018

8. Subhashree, V.K., C. Tharini, "An Energy Efficient Routing and Fault Tolerant Data Aggregation (EERFTDA) algorithm for wireless sensor networks", Journal of High Speed Networks, vol. 23, no. 1, pp. 15-32, January 2017, DOI 10.3233/JHS-170554.

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10. Subhashree V K and Tharini C, "Real-time implementation of Locality Sensitive Hashing using NI WSN and LabVIEW for outlier detection in wireless sensor networks",Journal of wireless mobile networks, ubiquitous computing and dependable applications, Volume No.7, Issue No.3, Page Nos. 22-39, September 2016.

11. S. Kalaivani and Dr. C. Tharini "Efficient Data Compression Technique Using Modified Adaptive Rice Golomb Coding for Wireless Sensor Network" ARPN journal of Engineering and applied sciences, Vol. 10, No 12, 2015.

12. Ms, Parnasree Chakraborty and Dr. C. Tharini, "Analysis of suitable modulation scheme for compressive sensing algorithm in wireless sensor network" DOI: SR-06-2014-666, Sensor Review, Vol. 35 Iss: 2, pp.168 – 173, 2015.

13. Ramya.P, Parnasree Chakraborty, Dr. C.Tharini, "Analysis Of Electroencephalography (EEG) For Alzheimer's Disease", International Journal Of Applied Engineering Research,Volume 10, Number 20 (2015), pp.16286-16290, 2015.

14. S. Vidhya, Dr. C. Tharini, Parnasree Chakraborty,"An Efficient Compressed Sensing CODEC for Wireless Sensor Networks" International Journal of Applied Engineering Research, Volume 10, Number 20 (2015), pp. 17293-17297, 2015.

15. Chellappa Glory, Joy Merline, Dr. C. Tharini, Govindarajan, Uma Gowri "An Efficient CRC based Network on Chip (NoC) Architecture for Improved Quality of Service(Qos)" International Journal of Applied Engineering Research ISSN 0973-4562, Volume-9 Number 23 (2014) pp 18849-18866.

International Conference

1. P V Bhuvaneshwari ; C Tharini, LDPC Codes for Distributed Storage systems,IEEE, 2019 11th International Conference on Advanced Computing (ICoAC),18-20 Dec. 2019, IEEE Conference, MIT, Chennai

2. R.Mahalakshmi alias Isakki, Dr.C.Tharini, M.Arulvani "Performance analysis of Pulse shape filter for repetition channel coding " Proceedings of IEEE international conference on Power,control,signals and Instrumentation Engineering (ICPCSI-17) during September 2017. 978-1-5386-0814-2/17/$31.00 ©2017 IEEE

3. M.Nazneen, C.Tharini "Analysis of different pulse shaping filters for BPSK and QPSK modulation techniques in a communication channel using USRP "Proceedings of International Conference on Recent Trends in Engineering and Technology, April, 2016.

4. Ms. Kalaivani, C.Tharini "Efficient Data Compression Technique Using Modified Adaptive Rice Golomb Coding for Wireless Sensor Network" was presented in the International Conference on Technological convergence for Information, Health, Food and Energy Security (TCIFES 2015) at CLRI, Chennai.

5. Ms.Kalaivani, C.Tharini "An Efficient Clustering Algorithm for Spatially Correlated Sensor Network" was presented in the International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'15) at Karpagam College of Engineering, Coimbatore.

6. Ms. Kalaivani, C.Tharini, "Processing of ECG Signal for the Detection of Diabetic CAN" was presented in the International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (ICDB 2015), at BSAIST, Chennai.

7. Ms.Kalaivani, C.Tharini "Real time ECG acquisition and detection of Anomalies" was presented in the International Conference on Power, Circuit and Information Technologies (ICPCIT 2015),at Velammal College of Engineering, Chennai

8. Shyamala, C.Tharini, "Design of Data Aggregation Algorithm using Random Linear Network Coding in Wireless Sensor Networks", IEEE Sponsored International Conference on Innovation , Embedded and Communications Systems, organized by Karpagam University, Coimbatore, March 2015.

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10. Ramya.P, Parnasree Chakraborty, Dr. C.Tharini, "Analysis Of Electroencephalography (EEG) For Alzheimer's Disease", IEEE Sponsored International Conference on Innovation , Embedded and Communications Systems, organized by Karpagam University, Coimbatore, March 2015

11. V.K. Subhashree, C. Tharini, M.Swarna Lakshmi, " Modified LEACH: A QoS-aware Clustering Algorithm for Wireless Sensor Networks " Proc. of 2014 IEEE International Conference on Communication and Network Technologies (ICCNT) 978-1-4799-6266-2/14/$31.00 © 2014 IEEE