

Dr. C. Tharini ,
Professor & Head
ECE Department,
B S Abdur Rahman Crescent Institute of science and Technology

Publications Details

International Journals

- 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
- 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>
- Kalaivani, S., **Tharini, C.**, Saranya, K. et al. Design and Implementation of Hybrid Compression Algorithm for Personal Health Care Big Data Applications. Wireless PersCommun (2020). <https://doi.org/10.1007/s11277-020-07241-1>
- 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>
○
- 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
- 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
- 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.
- ParnasreeChakraborty and **C. Tharini**, "Performance Analysis of Threshold Based Compressive Sensing Algorithm in Wireless Sensor Networks", American Journal of Applied Sciences, Issue 7, February 2017, DOI: 10.3844/ajassp.2017
- Subhashree V K and **ThariniC**,"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.

- 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, JULY 2015.
- Ms, ParnasreeChakraborty 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.
- 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.
- 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.
- 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.
- **C. Tharini**, P. VanajaRanjan, "An Energy Efficient Spatial Correlation based Data Gathering Algorithm for Wireless Sensor Networks", International journal of Distributed and Parallel Systems, Vol 2, No.3, pp 16-24, May 2011
- **C. Tharini**, P. Vanaja Ranjan, "An Efficient Data Gathering Scheme for Wireless Sensor Networks", European Journal of Scientific Research, Vol. 43, No. 1, pp 148 – 145, 2010
- **C. Tharini**, P. VanajaRanjan, "Design of Modified Huffman Data Compression Algorithm for Wireless Sensor Network", Journal of Computer Science, vol.5 No.6, 466 – 470, 2009

Research Publications : Conference

- 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
- 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
- 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.
- 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.

- 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.
- 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.
- 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
- 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.
- S.Vidhya, **Dr.C.Tharini**, ParnasreeChakraborty, “An Efficient Compressed Sensing CODEC for Wireless Sensor Networks, IEEE Sponsored International Conference on Innovation , Embedded and Communications Systems, organized by Karpagam University, Coimbatore, March 2015.
- 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
- 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
- Sirajueen S, **Dr.C.Tharini**, An Optimal network design to provide secured communication in mobile ADHOC networks”, Conference on “Recent trends in communication, Electronics and Instrumentation”, Erode Sengunthar Engineering College, 13th April 2013.
- Balakumar.A, **Dr.C.Tharini**,” Tree based data aggregation algorithm to increase the lifetime of wireless sensor network”, Expanding horizon in computer, information technology, telecommunication, Electrical and electronics-“EXCITE-2013”, Prathyusha institute of technology and management, 2nd and 3rd April 2013.

Chapter Publication

- The chapter titled “Real time ECG acquisition and detection of Anomalies” is published in the book Advances in Intelligent Systems and Computing, Springer India, ISSN: 2194-5357, 06 February 2016, Volume 394, pp 503-513.