

2021

- Sreeja KA ,”Automated Detection of Retinal Hemorrhage Based on Supervised Classifiers and Implementation in Hardware”, Smart Innovation, Systems and Technologies, 2021, 182, pp. 57–67
- Sreeja KA ,”Retinal Image Enhancement by Intensity Index Based Histogram Equalization for Diabetic Retinopathy Screening”

2020

- Sreeja KA ,”Automated detection of retinal hemorrhage based on supervised classifiers”, Indonesian Journal of Electrical Engineering and Informatics, 2020, 8(1), pp. 140–148
- Sunil Jacob, Varun G Menon, Fathima ShemimKS, Bandana Mahapatra, Mithun Mukherjee, “Intelligent vehicle collision avoidance system using 5G-enabled drone swarms”, Proceedings of the 2nd ACM MobiCom Workshop on Drone Assisted Wireless Communications for 5G and Beyond, 91-96, Sept 2020.
- V Menon, D Midhunchakkaravarthy, S John, S Jacob, A Mukherjee “A secure and energy-efficient opportunistic routing protocol with void avoidance for underwater acoustic sensor networks “, Turkish Journal of Electrical Engineering & Computer Sciences 28 (4), 2303-2315, 2020.
- S Jacob, M Alagirisamy, VG Menon, BM Kumar, NZ Jhanjhi “ An Adaptive and Flexible Brain Energized Full Body Exoskeleton With IoT Edge for Assisting the Paralyzed Patients “, IEEE Access 8, 100721 –100731, 2020
- Varun G Menon, Sunil Jacob, Saira Joseph , “ An IoT-Enabled Intelligent Automobile System for Smart Cities ”, Internet of Things, 2020.
- Sunil Jacob, Saira Joseph , “A Low-cost Preventive Face Shield and Reusable N95 Compatible Mask for Preventing the Spread of COVID-19 VGM “, IEEE Future Directions, 2020.
- SJ Sunil Jacob, Varun G. Menon, Shynu P G, Fathima Shemim, Bandana Mahapatra , “ Bidirectional Multi-tier Cognitive Swarm Drone 5G Network”, IEEE Conference on Computer Communications (INFOCOM), 2020.
- S Jacob, VG Menon, S Joseph , “Depth Information Enhancement Using Block Matching and Image Pyramiding Stereo Vision Enabled RGB-D Sensor” , IEEE Sensors Journal 20 (10), 5406-5414, 2020.
- Sunil Jacob, Varun G. Menon, Saira Joseph, Vinoj P G, Alireza Jolfaei, Jibin Lukose “A Novel Spectrum Sharing Scheme using Dynamic Long Short-Term Memory with CP-OFDMA in 5G Networks” , IEEE Transactions on Cognitive Communications and Networking, 2020

2019

- Sreeja KA , "Comparison of classifier strength for detection of retinal hemorrhages" ,International Journal of Innovative Technology and Exploring Engineering, 2019, 8(6), pp. 688–693
- VG Menon, S Jacob, S Joseph "SDN Powered Humanoid with Edge Computing for Assisting Paralyzed Patients" , , AOAVA Authors IEEE Internet of Things Journal (Early Access), 2019.
- S Rajesh, V Paul, VG Menon, S Jacob , "Secure Brain to Brain Communication with Edge Computing for Assisting Post-Stroke Paralyzed Patients " , , V P, IEEE Internet of Things Journal, 2019.
- S Jacob, V G Menon, S Joseph "Artificial Intelligence Powered EEG-EMG Electrodes for Assisting the Paralyzed" , IEEE Future Directions, 2019

2018

- Parvathy M, Ganesan R, "Throughput enhancement of SISO parallel LTE turbo decoders using floating point turbo decoding algorithm", International Journal of Wireless and Mobile Computing (Inderscience – Scopus indexed – Springer)
- P.G. Vinoj, Sunil Jacob, Varun G. Menon: " Hybrid brain actuated muscle interface for the physically disabled", Basic & Clinical Pharmacology & Toxicology, Science Citation Index (Clarivate Analytics) (ISSN: 1742-7843), Volume 123, Issue S3, August 2018 <https://doi.org/10.1111/bcpt.13100>

2017

- Saira Joseph, Sunil Jacob, B Paul, S Mridula, "Time domain characterization of dual band spiral antenna with WMTS/UWB Application", International Journal of Antennas & Propagation, 2017
- Dr.Sunil Jacob, Saira Joesph, Joel George, Sanu Antoo, Kiran Baby, "Camotransmutees", Proceedings of National Conference on "Design & Innovation" organized by Dialogue India held at IIT, Delhi
- D J Muttath, R Manohar, S Joseph, A Jain, R Ratheesh, "Effect of loss tangent on the performance of octagonal ultra wideband antenna", Applied Electromagnetic Conference (AEMC), 2015 IEEE, 1-2
- Parvathy M, Ganesan R, Balaji V, Abraham Alem, Tafera Mekonen, "Application of fixed point turbo decoding algorithm for throughput enhancement of SISO parallel advanced LTE turbo decoders", International Journal of Intelligent Engineering and Systems (indexed by SCOPUS, Scimago, Crossref, EBSCOhost, Ulrich's, OAJI) ISSN:21853118, 2185310XAccepted.
- Sreeja K.A., Kumar, S.S, "Region-threshold detection and KNN classification method for detecting and classifying hemorrhages for real time application in retinal fundus images", Journal of Advanced Research in Dynamical and Control Systems , (ISSN: 1943 023X),2017

2016

- M Srilekshmi, Dr.S Sindhumol, Dr. Shiffon Chatterjee, Prof. Kamal Bijlani, "Learning Analytics to Identify Students at-risk in MOOCs", 2016 IEEE Eighth International Conference on Technology for Education (T4E), IEEE Xplore Electronic ISBN: 978-1-5090-6115-0
- Parvathy M., Ganesan R. and Tefera Meckenon "High Speed Downlink Packet Access efficient turbo decoder architecture:3GPP Advanced Turbo Decoder" I J C T A, 9(24), 2016, pp. 291298. (ANNEXURE II)

2015

- Meenu I Chandran ,Sunny Joseph, "High Speed Speculative Multiplier with correction Unit ", International Journal of Engineering Research in Electronics and Communication Engineering pp 46-49,June 2015
- Saira Joseph, Binu Paul, S Mridula P Mohanan, "CPW-fed UWB compact antenna for multiband applications", Progress in Electromagnetic Research C , pp 29-38,January 2015
- Parvathy M, R.Ganeshan, "An Improved LTE-Advanced Turbo Decoder Architecture:3GPP Advanced Turbo Decoder", International Journal of Applied Engineering Research ,ISSN 0973-4562 Vol. 10 No.52, pp 243-249, 2015
- Mary Catherine, Jagadeesh Kumar P,"Genetic Algorithm based approach for SoC test Scheduling, "International Journal of Computer Applications, pp 12-15,2015.

2014

- Prathibha N Pillai , K Naresh, "QR Verification Systems using RSA Algorithm" , IJISR, Volume 10, issue 2, pp 10561-10568,October 2014.
- Sunil Jacob and R Dhanasekaran "Cooperative Cross Layer Solution for Performance Improvement In Wireless OFDMA Network", IDOSI.WASJ Scopus index.31.arsem,514 Volume 31, pp 18-23, September 2014
- Sreeja KA ,"Recent studies on micro aneurysm detection: A review", 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies, ICCICCT 2014, , pp. 1366–1371, 6993175

2013

- S Joseph, B Paul, S Mridula, P Mohanan, "A novel planar fractal antenna with CPW-feed for multiband applications", Radioengineering 22(4), 1262-1266

- Sunil Jacob and R Dhanasekaran “Random Access OFDMA Network with Joint Power and Bandwidth Allocation Based on Partial Channel Knowledge”, International Journal of Computer Networking, Wireless and Mobile Communications, Index Copernicus.JCC IF 1.8 Volume -3, Issue-1, pp-103-109. March 2013.
- Sunil Jacob and R Dhanasekaran “Random Access OFDMA Network with Hybrid Relaying Strategy for Joint Power and Bandwidth Allocation”, European Journal of Scientific Research Scopus index ISI journal Thomson Reuter Volume -98, Issue -1, pp-30-44, March 2013.
- Parvathy M, R.Ganeshan, “A Novel Turbo Decoder Architecture for High Throughput WSN using LUT-log BCJR Algorithm”, International Journal of Engineering Research and Technology, ISSN:2278-0181, Vol 2, Issue 12, pp 3555-3568, Dec 2013

2012

- Sunil Jacob and R Dhanasekaran “Dynamic Source Quick Route Rebuilding Algorithm for Random-access OFDMA ADHOC Network”, International Journal of Computer Applications, Harward University indexing with IF 0.8 Vol.37, No.9, pp-42-48, January 2012.
- M G Sumithra, Devika A.K “A Study On Existing Feature Extraction Techniques For Text Independent Speaker Identification System”, IEEE Xplore Digital library Print ISBN: 97814577-1580-8 ,Digital Object Identifier: 10.1109/ICCCI.2012.6158791,pp. 1 – 5, January 2012
- M G Sumithra, Devika A. K “PAPR Reduction by Hybridizing PTS-APPR Method to Improve the QoS in OFDM Systems”, Bonfring International Journal of Research in Communication Engineering, Vol. 2, Special Issue 1, Part 1, pp15-20, February 2012
- M G Sumithra, Devika A. K “Performance Analysis of Speaker Identification System Using GMM with VQ”, International Journal of Computer Network and Security (IJCNS) Vol 4. No 1. ISSN: 0975-8283, Jan-Mar 2012