

Dr. P. Suresh

Professor

Department of ECE

Vel Tech Rangarajan Dr Sagunthala R&D Inst of Sci and Tech

Avadi,

Chennai

Email: drpsuresh2014@gmail.com

Mobile: +91 – 9940186845

Publications in Last Five Years

1. N Sakthieswaran, A Jeyamurugan, M Sophia, P Suresh, effect of elevated temperatures on the properties of nano alumina modified concrete containing zircon sand as fine aggregate, *Revista Romana de Materiale*, 50(2), 175-182, 2020.
2. Chua-Chin Wang, Kuan-Yu Chao, Sivaperumal Sampath, Ponnann Suresh, Anti-PVT-Variation Low-Power Time-to-Digital Converter Design Using 90-nm CMOS Process, *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, 28(9), 2069-2073, 2020.
3. Suresh, P., Saravanakumar, U., Karthikeyan, V., Vamsi Krishna, G., Sreekanth, K. and Kumar Reddy, G., “Design and Implementation of Real Time Data Acquisition System in all Programmable System on Chip,” *International Journal of Innovative Technology and Exploring Engineering*, Vol. 8, Issue 10, 2019, pp. 3680-3684. (Scopus Indexed).
4. Karthikeyan, V., Suresh, P., Saravanakumar, U., Anil Venkata Rama Sekhar, AKM. And Srikanth, S., “Wide Band Millimeter Wave Fabric Antenna for 60GHz Applications,” *International Journal of Innovative Technology and Exploring Engineering*, Vol. 8, Issue 9, 2019, pp. 1211-1214. (Scopus Indexed).
5. Hemakumar, V.S., Suresh, P. 2019 “Performance of zinc oxide coated on copper substrate in generating piezoelectric energy”, *International Journal of Innovative Technology and Exploring Engineering* Vol. 8 Issue 7, 2019, pp. 87-90. (Scopus Indexed).
6. Sathya, N., Suresh, P. and Rathika, N., “LS-GSNO and CWSNO Enhancement Processes Using PCA Algorithm with LOOCV of R-SM Technique for Effective Face Recognition Approach”, *Springer – Journal of Medical Systems*, Vol. 7, No. 1, 2019. (Scopus Indexed, Impact Factor – 2.04).
7. Sridevi, R., Kumar, C., Suresh, P., Ganesan, S., Subramanian, S., Suresh, A., ‘Development of a pedagogical framework to analyse performance of an induction machine from Experimental results, *International Journal of Electrical Engineering Education-ISSN: 0020-7209*, (Accepted) (Impact factor: 0.593).
8. Sakthieswaran, N., Dhanaraj, R., Sophia, M. & Suresh, P., 2019, ‘Copper Slag-Silica Fume blended fibre Concrete - An Eco-friendly Healthy alternative for conventional Concrete’, *Mathematical Biosciences and Engineering*, Vol. xx, pp. xxx-xxx. (Impact Factor:1.23).

9. Saravanakumar, U., Suresh, P., & Karthikeyan, V., 2019, Low-Power High-Speed Hybrid Multiplier Architectures for Image Processing Applications, Lecture Notes in Computational Vision and Biomechanics, Springer, vol. 30, pp. 539-550. (Scopus).
10. Suresh, P., Saravanakumar, U., & Revathi, M., 2017, SOA Based All-Optical N-Bit Binary Data Multiplier Design, J Nanomed Nanosci: JNAN-116.
11. Saravanakumar, U., Suresh, P., & Vimal, SP., 2018, 'Low-power, low-latency transceiver design using d-TGMS flip-flop for on-chip Interconnects,' International Journal of Engineering and Technology, Vol. 7, No. 1, pp. 106-109.
12. Sakthieswaran, N., Muthuraman, U., Suresh P., & Sophia, M., 2019, 'Performance of nano-silica modified self compacting waste glass mortar at normal and elevated temperatures environment', Materials (MDPI), Vol.12, pp. 1-15. (Impact Factor:2.467).
13. Aanandha Saravanan, Suresh, P., Prioritized scheduling scheme for critical and non critical information packets," International Journal of Engineering and Technology, Vol. 7, No. 3, 2018, pp. 1705-1708. (Scopus Indexed).
14. Vinothkumar, M, Kumar, C & Suresh, P., "Proficient Control Based Load Frequency Controller for Deregulated Hybrid Power Systems with Sensitivity Analysis," Journal of Electrical Engineering, ISSN: 1582-4594, (Accepted) (Impact factor: 0.284).
15. Saravanakumar, U., Suresh, P. and Karthikeyan, V., "Low-Power High-Speed Hybrid Multiplier Architectures for Image Processing Applications", Springer - Lecture Notes in Computational Vision and Biomechanics. (Accepted).
16. Saravanakumar, U., Suresh, P., and Vimal, S.P., "Low-power, low-latency transceiver design using d-TGMS flip-flop for on-chip interconnects", International Journal of Engineering and Technology, Vol. 7, No. 1, 2018, pp. 106-109. (Scopus Indexed).
17. Suresh. P., "Creation of optical chain in the focal region of high NA lens of tightly focused higher order Gaussian beam", Springer – Journal of Optics, Vol. 46, p. 225 – 230, 2017. (Scopus Indexed, Impact Factor – 0.92).
18. Rajendran, E., Kumar, C and Suresh, P., "Intensification of Power Quality Using PMSG and Cascaded MultiCell Trans-Z-Source Inverter" Circuits and Systems, Vol. 7, No. 11, 2016, pp. 3778-3793. (Scopus Indexed).
19. Rathika N, Suresh. P., and Sakthieswaran, N., "Face Recognition Using Zernike Moments with Illumination Variations" Inderscience – International Journal of Biomedical Engineering and Technology, Vol. 25, Issue 2-4, 2017. (Scopus Indexed, Impact Factor – 0.56).
20. Sathya Natarajan, K. Karuppasamy and Suresh. P., "Contourlet Transform and Morphological Reconstruction based Retinal Blood Vessel Segmentation" Inderscience – International Journal of Biomedical Engineering and Technology, Vol. 25, Issue 2-4, 2017. (Scopus Indexed, Impact Factor – 0.56).
21. Vinoth Kumar, M., Kumar, C. and Suresh. P., "A Fuzzy Control based Analysis of Load Frequency Controller for Deregulated Interconnected Power Systems" Asian Journal of

Research in Social Sciences and Humanities, Vol. 6, No. 12, 2016, pp. 179-193. (Scopus Indexed).

22. Kalima Benazir, P. and Suresh, P., "Optimal sensor placement in structures using improved adaptive GA with modified modal assurance criteria for SHM systems" Journal of Multimedia Technology & Recent Advancements, Vol. 3, Issue 1, 2016. (Scopus Indexed).
23. Kalima Benazir, P. and Suresh, P., "Placing Sensors Optimally In Structures By Combining Mse Method With Aga For Structural Health Monitoring" Advances in Natural and Applied Sciences, Vol.10, Issue 4, pp. 285-291, 2016. (Scopus Indexed).
24. Muthuraman, U., Sakthieswaran, N. and Suresh, P., "Review on embedded systems based structural health monitoring for the damage detection and placement of sensors in an optimal method," International Journal of Advanced Engineering Technology, Vol.7, No. 1, pp. 702-706, 2016. (Scopus Indexed).
25. Dhanaraj, R., Sakthieswaran, N. and Suresh P., "Comparison of fresh properties of two different grades of concrete," International Journal of Advanced Engineering Technology, Vol.7, No. 1, Pp. 387-390, 2016. (Scopus Indexed).