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#### **List of publications:**

1. KV Gowreesrinivas, P Samundiswary "Performance Efficient Floating-Point Multiplication Using Unified Adder–Subtractor-Based Karatsuba Algorithm" published by Microelectronics, Electromagnetics and Telecommunications, pp.491-497 (2020).
2. M Raj Kumar Naik, P Samundiswary "Performance Comparison Analysis of GTTPC and AHTPC Technique for WBAN with Mobile Scenario" published by Microelectronics, Electromagnetics and Telecommunications, pp.33-44 (2020).
3. Sivasindhu Masilamani, Punniakodi Samundiswary "Compact and efficient PC-based directional coupler all-optical switch" published by Journal of Optical Communications, vol.1 (2020).
4. KV Gowreesrinivas, P Samundiswary "Performance Efficient Floating-Point Multiplication Using Unified Adder–Subtractor-Based Karatsuba" published by Microelectronics, Electromagnetics and Telecommunications: Proceedings of the Fifth ICMEET 2019, vol.655(2020).
5. M Sivasindhu, P Samundiswary "Design and Performance Analysis of an Ultra-Compact 2-Channel Optical MUX/DEMUX based on PCW Defects" published by 2019 TEQIP III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW), pp.250-254(2019).
6. S Preethi Manjou, P Samundiswary, M Sivasindhu "Design of GaAs-Photonic Crystal Based Polarization Splitter" published by 2019 TEQIP III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW), pp.260-263(2019).
7. M Raj Kumar Naik, P Samundiswary "Survey on Game Theory Approach in Wireless Body Area Network" published by 2019 3rd International Conference on Computing and Communications Technologies (ICCCT), pp.54-58(2019).

8. V Fouthika, P Samundiswary, M Sivasindhu "Performance Analysis Of Circular Lattice PCF Biosensor Using Surface Plasmon Resonance" published by 2019 International Conference on Computer Communication and Informatics (ICCCI), pp.1-4(2019).
9. Dathrak KavyaShree, P Samundiswary, KV Gowreesrinivas "High Speed Multipliers using Counters based on Symmetric Stacking" published by 2019 International Conference on Computer Communication and Informatics (ICCCI), pp.1-6(2019).
10. Rekha Haridoss, Samundiswary Punniyakodi "Compression and enhancement of medical images using opposition based harmony search algorithm" published by Journal of Information Processing Systems, vol.15, Issue 2 (2019).
11. M Venkata Subbarao, P Samundiswary "Performance Analysis of Automatic Modulation Classification using Time Frequency Transforms under Non-Ideal Channel Conditions" published by International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol.8, Issue 12 (2019).
12. Vivek Kumar Singh, P Samundiswary, M Sivasindhu "Cluster based reliable communication for 5G network" published by 2019 International Conference on Communication and Signal Processing (ICCSP), pp.0853-0856 (2019).
13. Jegan Govindasamy, Samundiswary Punniyakodi "Optimised watchdog system for detection of DDOS and wormhole attacks in IEEE802. 15.4-based wireless sensor networks" published by International Journal of Mobile Network Design and Innovation, vol.8, Issue 1 (2018).
14. M Venkata Subbarao, P Samundiswary "Spectrum sensing in cognitive radio networks using time-frequency analysis and modulation recognition" published by Microelectronics, Electromagnetics and Telecommunications, pp. 827-837 (2018).
15. VK Gowreesrinivas, P Samundiswary "Resource efficient single precision floating point multiplier using Karatsuba algorithm" published by Indonesian Journal of Electrical Engineering and Informatics (IJEI), vol.6, Issue 4 (2018).
16. T Nimi, P Samundiswary "Comparative Performance evaluation on Priority based ZigBee Network with tree and mesh routing" published by 2018 4th International Conference on Electrical Energy Systems (ICEES), pp. 691-695 (2018).
17. KV Gowreesrinivas, P Samundiswary "FPGA Implementation of Single-Precision Floating Point Multiplication with Karatsuba Algorithm Using Vedic Mathematics" published by Smart Computing and Informatics, pp.515-524(2018).
18. T Nimi, P Samundiswary "Comparative analysis of ZigBee network with tree and mesh topology for different range of frequencies" published by 2017 2nd International Conference on Communication and Electronics Systems (ICES), pp.560-565 (2017).

19. H Rekha, P Samundiswary "Histogram Driven Fusion of Set of images using Multi-thresholding and Optimization for WSN" published by International Journal of Engineering and Technology, vol.9, Issue.2 (548-557)(2017).
20. R Maria Brigitta, P Samundiswary "Performance analysis of Zigbee WDSN using clustering protocol and STR algorithm" published by 2017 International Conference on Computer, Communication and Signal Processing (ICCCSP), pp.1-5(2017).
21. KV Gowreesrinivas, P Samundiswary "Comparative performance analysis of multiplexer based single precision floating point multipliers" published by 2017 International conference of Electronics, Communication and Aerospace Technology (ICECA), vol. 2, pp.430-435 (2017).
22. Jegan Govindasamy, Samundiswary Punniakodi "Energy Efficient Intrusion Detection System for ZigBee based Wireless Sensor Networks" published by Int. J. Intell. Eng. Syst, Vol.10, pp.155-165 (2017).
23. M Raj Kumar Naik, P Samundiswary "Wireless body area network security issues—Survey" published by 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.190-194 (2016).
24. KV Gowreesrinivas, P Samundiswary "Comparative study on performance of single precision floating point multiplier using Vedic multiplier and different types of adders" published by 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.466-471(2016).
25. M Venkata Subbarao, P Samundiswary "Time-frequency analysis of non-stationary signals using frequency slice wavelet transform" published by 2016 10th International Conference on Intelligent Systems and Control (ISCO), pp.1-6 (2016).
26. G Jegan, P Samundiswary "Wormhole attack detection in zigbee wireless sensor networks using intrusion detection system" published by Indian J. Sci. Technol, vol.9, Issue 45 (2016).
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28. H Rekha, P Samundiswary "Survey on low power adaptive image compression techniques for WSN" published by 2015 International Conference on Communications and Signal Processing (ICCSP), pp.1128-1132 (2015).
29. R Vassoudevan, P Samundiswary "Performance analysis of DRX power saving technique for LTE based UE under bursty Web traffic" 2015 International Conference on Communications and Signal Processing (ICCSP), pp.0924-0928(2015).

30. KV Gowreesrinivas, P Samundiswary "Comparative analysis of single precision floating point multiplication using compressor techniques" published by 2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), pp.2428-2433 (2017).
31. KV Gowreesrinivas, P Samundiswary "Design and analysis of single precision floating point multiplication using Karatsuba algorithm and parallel prefix adders " published by 2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), pp.1-6(2017).
32. M Sivasindhu, P Samundiswary "A survey on vertical handover decision algorithms in heterogeneous wireless networks" published by Networking and Communication Engineering, vol.9, Issue 2 (2017).
33. M Venkata Subbarao, P Samundiswary "Wideband Spectrum Sensing for Cognitive Radio Networks using Time-Frequency Analysis" published by International Journal of Control Theory and Applications (IJCTA), vol.9 , Issue 41(2016).
34. R Vassoudevan, P Samundiswary "Quantitative analysis on quality of service support using OTSC-DRX mechanism in long term evolution device" published by Indian Journal of Science and Technology, vol.9, Issue 43(2016).
35. Palle Prasanth Kumar, KV Gowreesrinivas, P Samundiswary "Design and analysis of turbo encoder using Xilinx ISE" published by 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.328-332 (2016).
36. R Maria Brigitta, P Samundiswary "A survey on shortcut tree routing protocols for Zibee based wireless networks" published by 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.441-445 (2016).
37. Palle Prasanth Kumar, KV Gowreesrinivas, P Samundiswary "Design and analysis of turbo encoder using Xilinx ISE" published by 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.328-332 (2016).
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39. KT Veerendra Kumar, R Vassoudevan, P Samundiswary "Performance evaluation of LTE using 4 state Discontinuous Reception (DRX) mechanism with On Time to Short cycle (OTSC) ratio" published by 2015 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp.451-456 (2015).