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## **LAST FIVE YEAR PUBLICATIONS**

- P. Kavitha, K. M. Mohan, R. Surya, R. Gandhiraj, and K. P. Soman, "Implementation of CDMA in GNU Radio," Procedia Computer Science, vol. 46, pp. 981–988, 2015. doi:10.1016/j.procs.2015.01.008. (Scopus Indexed)
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## **Publications in International Conferences**

- I Harun Surej; S Karthic; G Vigneshwara; T Jeyashri; R Thiruvengadathan; R Gandhiraj; K.A Pradeep Kumar; B.N Binoy; G.A Shanmugasundaram G A, "Evidence of Scatter in C-band Spatio-temporal Signals using Machine Learning Models", Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, 2020, pp. 1288-1292. (Scopus Indexed)
- S Surya Natarajan, R Ateesh Varun, G Shivasubramanian, D Thamayandran, M Dharani, R Gandhiraj, G A Shanmugha Sundaram, A K Pradeep Kumar, N B Binoy, R Thiruvengadathan, D S Harish Ram, "Detection of Interference in C-Band Signals using K-Means Clustering", Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, 2020, pp. 1521-1526. (Scopus Indexed)
- 3. Vignesh, R., Sundaram, G.A.S., Gandhiraj, R., "Phase-modulated stepped frequency waveform design for low probability of detection radar signals" Advances in Intelligent Systems and Computing, 2020, 910, pp. 181-195 (Scopus Indexed)
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- Pandey, Amitesh, R. Gandhiraj, S. Kirthiga, M. Jayakumar, M. Nirmala Devi, and Subash Chandra Bera. "Emulation of Channel Model and Estimation for MIMO based Satellite Land Mobile System using Software Defined Radio." Procedia computer science 143 (2018): 868-875. (Scopus Indexed)

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- 9. Gandhiraj R, Vinutna T, Sai Bharath Kumar B, Venu Sri Sushma K, Soman K P, "Outernet: A digital Library at zero cost for Indian Schools", 2017 IEEE International Conference on Communication and Signal Processing (ICCSP 2017), Tamil Nadu, 6-8 April 2017. (Scopus Indexed)
- 10. Prathija Raja, Ganesh Subramanian Alwarappan, Sajin S, Shanmathi C and R Gandhiraj, "Classification of EMI Signatures for Smart Grid", 2017 IEEE International Conference on Communication and Signal Processing (ICCSP 2017), Tamil Nadu, 6-8 April 2017. (Scopus Indexed)
- 11. Anand R, Rohit Kumar K, Gandhiraj R,"Implementation of Noise cancellation using Least Mean Square in GNU Radio", 2017 IEEE International Conference on Computer Communication and Informatics (ICCCI 2017), Coimbatore, 5-7, January 2017.(Scopus Indexed)
- 12. Haritha H, Seethal C R, Gandhiraj R,"Realization of Kalman Filter in GNU Radio", 2017 IEEE International Conference on Computer Communication and Informatics (ICCCI 2017), Coimbatore, 5-7, January 2017. (Scopus Indexed)
- Adarsh J, Vishak P, Gandhiraj R, "Adaptive Noise Cancellation Using NLMS Algorithm in GNU Radio" 2017 IEEE 4th International Conference on Advanced Computing and Communication Systems (ICACCS 2017), Coimbatore, 6-7, January 2017. (Scopus Indexed)
- 14. Suganya M, Gandhiraj R, "Applicability of MIMO and OFDM technology to SATCOM", 5th IEEE International Conference on Communication and Signal Processing-ICCSP'16, Department of Electronics and Communication Engineering , Adhiparasakthi Engineering College, Melmaruvathur, Tamil Nadu, 6-8 April 2016. (Scopus Indexed)
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