

Dr.C.Arunachalaperumal
Professor/Department of ECE
arunachalaperumal@saec.ac.in
S.A Engineering College
7904813179

List of Publications (Annexure I Journals)

1. Arunachalaperumal, C, Arun,C, Dhilipkumar, S & Abija, G, 2014, 'Performance Evolution of Trellis Coding in Multiple Input Multiple Output Communication Systems—A Review', Journal of Communications Technology and Electronics, Vol. 59, No. 11, pp. 1247–1252. <https://doi.org/10.1134/S1064226914110023>
2. Arunachalaperumal, C, Chandru, B, 2016, 'Performance Analyzes of Cobalt metal with fluoropolymer matrix as a Substrate for Patch Antenna', INTEGRATED FERROELECTRICS, Vol. 176, PP 126-131 <http://dx.doi.org/10.1080/10584587.2016.1249784>
3. Arunachalaperumal, C,Julie Choudhary,B, Kavitha Ganesan, Ashwini,V, 2017 'Wireless Supervisory Controls For Automation', International Journal Wireless And Mobile Communication, March 2017. <https://doi.org/10.1504/IJWMC.2017.084188>
4. S. Dhilipkumar, C. Arunachalaperumal, K. Thanigaivelu, 2019, 'A Comparative Study of Resource Allocation Schemes for D2D Networks Underlay Cellular Networks', Wireless Personal Communications, Vol. 106, No. 3, February 2019. <https://doi.org/10.1007/s11277-019-06204-5>
5. P. Dinesh Anton Raja, C. Arunachalaperumal, and A. Balaji Ganesh, 2019, 'Hybrid Cooperative Network Coding Communication Wireless Protocol Interfaces for Real-Time Monitoring of Environmental Parameters Using COZIR Sensor', SENSOR LETTERS, American Scientific Publishers, Volume 17, Number 2, February 2019, pp. 160-176. DOI: <https://doi.org/10.1166/sl.2019.4069>.

List of Publications (Annexure II Journals)

1. Arunachalaperumal, C, Arun, C, Dhilipkumar, S, Abija, G, 2015, 'Comparison of Beamforming Techniques for MIMO Wireless Networks', International Journal of Applied Engineering Research, Vol. 10 No.20 (2015) pp. 2077-2081.
2. Arunachalaperumal, C, Arun, C, Dhilipkumar, S, Abija, G, 2015, 'Trellis Coded Spatial Modulation for Green Communication', International Journal of Applied Engineering Research, Vol. 10 No.20 (2015) pp. 2082-2085.
3. Arunachalaperumal, C, Chandru, B & Mathana, J, M, 2015, 'Design of Reconfigurable Parasitic Antenna for Single RF Chain MIMO Systems', World Academy of Science, Engineering and Technology, Vol. 09, No. 03.
4. Arunachalaperumal, C, Abija, G, Raghunadh K.Bhattar, VanithaLakshmi, M & Dhilip Kumar, S 2015, 'MIMO Satellite Channel Capacity and Applications- A Survey', International Journal of Applied Engineering Research, Volume 10, Number 6.
5. Chandru, B, Arunachalaperumal, C & Mathana, J, M, 2015, 'Design of Multiband Parasitic Patch Antenna for MIMO Beam Steering', International Journal of Applied Engineering Research, Vol. 10 No.2 (2015) pp. 1710-1713.
6. Jegadeeswari, E, Arunachalaperumal, C & Bavithra, K, B, 2015, 'Design of Low Complexity Polar Coded Spatial Modulation', Middle-East Journal of Scientific Research 23 (5):981-986.

7. Priya, D & Arunachalaperumal, C, 2015, 'Interference Analysis of 4x4 MIMO Cognitive Radio Network', International Journal of Applied Engineering Research, Volume 10, Number 6.