Dr.C.Aravind,

Professor/Dept. of ECE,

Karpagam College of Engineering,

Myleripalayam,

Coimbatore -641032

Ph.No:6380313921

Email: arvichakra@gmail.com, arvichakra@kce.ac.in

Area of Specialization: Communication Systems, VLSI Design, Signal Processing

---

Papers Publications in Journals / Conferences

1. R. Selvakumar and **Arvind, C** (2020) „Wide-Range Energy-Efficient Buffer based Voltage Level-up Converters for Multi Supply Voltage Systems", *Sadhana Proceedings of Engineering Sciences – (Springer, ESCI)* Published online 09.11.2020
2. Devendra Kumar, **Arvind C** and K Srihari (2020) „Design and Analysis on Molecular level biomedical event trigger extraction using recurrent neural network based particle swarm optimization for COVID-19 Research", *International Journal of Computer Applications in Technology – (Inderscience, ESCI)* Accepted for publication
3. R. Selvakumar and **Arvind, C** (2020) „Energy-Efficient CMOS Voltage Level Shifters with Single-VDD for Multi-core Applications", *Analog Integrated Circuits and Signal Processing – (Springer, ESCI)* Accepted for publication
4. R. Selvakumar and **Arvind, C** (2020) „A 16ns, 28fJ Wide-Range Subthreshold Level Converter using Low-voltage Current Mirror" *Circuits, Systems and Signal Processing (Springer, ESCI)* – DOI: https://doi.org/10.1007/s00034-020-01524-5, Published online: 24 Aug. 2020
5. K. Kamaraj, **Arvind, C** and Srihari K (2020) „A weight optimized artificial neural network for automated software test oracle" Soft Computing (Springer, *ESCI*) – DOI: https://doi.org/10.1007/s00500-020-05197-9, Published Date ; 18 July 2020
6. Anand Prem and **Arvind, C** (2019) „A Millimeter Wave Generation scheme Based On Frequency Octupling using LiNbO3 Mach- Zehnder Modulator " *National Academy Science letters (Springer, SCI)* – DOI: 10.1007/s40009-018- 0766-3, Vol. 42, No. 5, pp. 401 – 406, Sept. – Oct. 2019.
7. Anand Prem and **Arvind, C** (2018) „A Novel scheme for Optical Millimeter Wave Generation using LiNbO3 Mach- Zehnder Modulator without amplifier", *Proceedings of the National Academy of Sciences, Physical Sciences* (Springer, SCI), DOI 10.1007/s40010-018-0532-4, Published online – 25th September 2018.
8. M. Naresh, **Arvind C** and M. Ganesh, (2017) „MRI Brain Image Segmentation Using Enhanced Adaptive Fuzzy K-Means Algorithm" *Intelligent Automation & Soft Computing* (Tayor and Francis, WoS), Volume 23, Issue 2, pp. 325 – 330.

Scopus

1. Poomari S and **Arvind C**, (2017) „A novel scheme for optical millimeter wave generation using MZM", *ARPN Journal of Engineering and Applied Sciences*, Volume 12, Issue 21, pp. 6097 – 6102.

2. M. Arun Kumar and **Arvind C**, (2017) „A Survey of Low Power FFT Processor for Signal Processing Applications", *Journal of Advanced Research in Dynamical and Control Systems*, Issue 15, pp. 633 – 641.

3. Sujatha Priyadharshini and **Arvind C**, (2017) „Survey on Energy Efficient Hierarchical Routing Protocols", *Journal of Advanced Research in Dynamical and Control Systems*, Issue 15, pp. 626 – 632.

Conference Publications

1. Anand Prem and **Arvind, C** (2018) „An optical millimeter wave generation using carrier suppression modulation scheme based on frequency 12-tupling $LiNBO_3$ MZM without an optical filter" International conference on inventive Material Science and applications, PPG Institute of Technology, Coimbatore. 27th and 28th September, 2018.

2. Divakaran J and **Arvind, C** (2018) Analysis of Microstrip patch antenna with different substrate configurations, International conference on inventive Material Science and applications, PPG Institute of Technology, Coimbatore. 27th and 28th September, 2018.

3. **Arvind, C** and Senthilkumar B, (2018) „Performance Analysis of Rectangular Microstrip Patch Antenna with different configurations and contacting feeding mechanisms" International Conference on Materials, Applied Physics and Engineering, Indore, Madhya Pradesh.

4. **Arvind, C.,** and Anand Prem P K, (2017) „An optical millimeter wave generation based on frequency quadrupler using $LiNbO_3$ MZM and a phase modulator" Proceedings of CSI sponsored National Conference on Recent Advances in Computing Sciences

5. **Arvind, C.,** Divakaran, J. and Neelaveni, M. (2017) „Performance Analysis of Circular Patch Antenna with different substrate configurations" Proceedings of CSI sponsored National Conference on Recent Advances in Computing Sciences

6. **Arvind, C.,** (2017) 'A Multiplexer assisted Parallel Multiplier for Digital Signal Processing Applications' IEEE International Conference of Science, Technology, Engineering and Management (ICSTEM" 17) pp. 237-242.

7. **Arvind, C.** and R. Rekha (2017) 'A High Speed and Low Complexity Modified Splitter based Parallel Multiplier for the MAC unit of DSPs' IEEE International Conference of Science, Technology, Engineering and Management (ICSTEM" 17) pp. 127-130.