

## Publication Details

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- 1) V.Sivakumar and **N.Janakiraman**, “A novel method for segmenting brain tumor using modified watershed algorithm in MRI image with FPGA”, Biosystems (Elsevier), Vol. 198, December 2020. (SCI – Impact Factor – 1.808) (DOI: 10.1016/j.biosystems.2020.104226) (ISSN: 0303-2647)
- 2) Sornalatha Ravindran and **Janakiraman Nithiyanantham**, “Security improved duobinary Optical Communication Scheme through Bio-Inspired Chaos Masking Scheme”, IET Optoelectronics, Vol. 14, No. 5, pp. 296-305, September 2020. (SCI–Impact Factor–1.742) (DOI: 10.1049/iet-opt.2018.5080) (E-ISSN 1751-8776)
- 3) **N.Janakiraman**, P.Nirmal Kumar, S.Rajeswari, C.Kumar Charlie Paul and S.Babu, “Dynamic Resource Allocation Scheme for MIMO-OFDMA Multicast System”, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (Springer), Vol. 86, No. 2, pp. 187-199, April-June 2016. (SCI – Impact Factor – 0.921) DOI: 10.1007/s40010-015-0247-8 (E-ISSN: 2250-1762)
- 4) **N.Janakiraman** and P.Nirmal Kumar, “An experimental study of coarse grained reconfigurable system-on-chip based software defined radio”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 24, No. 3, pp. 1176-1193, March 2016. (SCI–Impact Factor–0.682) DOI: 10.3906/elk-1307-129 (E-ISSN: 1303-6203)
- 5) **N.Janakiraman**, P.Nirmal Kumar and Syed Mohsin Akram, “Coarse grained ADRES based MIMO-OFDM transceiver with new Radix-2<sup>5</sup> pipeline FFT/IFFT processor”, Circuits, Systems and Signal Processing (Springer), Vol. 34, No. 3, pp. 851-873, March 2015. (SCI–Impact Factor–1.681) DOI:10.1007/s00034-014-9880-8 (E-ISSN: 1531-5878)
- 6) R.Sornalatha, **N.Janakiraman** and T.Balasharmitha, “A Novel Energy Methodical Digital Self-Interference Cancellation Technique for 5G Applications”, Advances in Natural and Applied Sciences, Vol. 11, No. 7, pp. 7-14, May 2017. (E-ISSN: 1998-1090)
- 7) H.Kareemullah, **N.Janakiraman** and P.Nirmal Kumar, “Massively Parallel ECoG Signal Processing using MPSoC for Real-time Brain–Computer Interface”, Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 3, pp. 1017-1032, March 2017. (DOI: 10.5958/2249-7315.2017.00224.6) (E-ISSN: 2249-7315)
- 8) R.Mohan Kumar, A.V.Ram Prasad, S.Anitha and **N.Janakiraman**, “A Network Lifetime Enhancement method using Rendezvous algorithm in Wireless Sensor Networks”, International Journal of Applied Engineering Research, Vol. 10, No. 55, pp. 1216-1221, May 2015. (E-ISSN: 0973-4562)
- 9) **N.Janakiraman**, G.N.Kishore Kumar, A.S.Nivesh Chand and S.Naveen Venkatesh, “Analysis and the Simulation for the High Gain of Two Stage CMOS Operational Amplifier Circuit”, International Journal of Advanced Research in Innovative Discoveries in Engineering and Applications, Vol. 5, No. 5, pp. 53-62, October 2020. (ISSN: 2456-8805)
- 10) V.Muthu Ganesh and **N.Janakiraman**, “A Survey of various effective CODEC implementation methods with different real time applications”, 2019 International Conference on Communication and Electronics Systems (ICCES), Coimbatore, 18<sup>th</sup> July 2019, pp. 1279 - 1283. (DOI: 10.1109/ICCES45898.2019.9002587) (E-ISBN: 978-1-7281-1261-9) (17 – 19 July) (PPG Institute of Technology)

- 11) V.Sivakumar, **N.Janakiraman** and S.Naganandhini, "Machine Learning Approach improves the Quality of the MRI Images in Tumor Detection and Diagnosis: A PSO based Cluster Analysis", 2018 International Conference on Intelligent Computing and Communication for Smart World (I2C2SW), Erode, 14<sup>th</sup> December 2018, pp. 37 - 40. (DOI: 10.1109/I2C2SW45816.2018.8997145) (E-ISBN: 978-1-5386-9432-9) (14 – 15 December) (Kongu Engineering College)
- 12) A.Muthumanicckam and **N.Janakiraman**, "Design and Enactment of Bendable Micro Strip Probe for Wireless Bids", 2018 International Conference on Current Trends towards Converging Technologies (ICCTCT), Coimbatore, 2<sup>nd</sup> March 2018, pp. 1 - 3. (DOI: 10.1109/ICCTCT.2018.8551131) (E-ISBN: 978-1-5386-3702-9) (1 – 3 March) (SVS College of Engineering)
- 13) A.Muthumanicckam and **N.Janakiraman**, "Time-Correlated MIMO Channels Using Decision Feedback Receiver", Second International Conference on Optical and Wireless Technologies (OWT), Jaipur, 11<sup>th</sup> February 2018, pp. 89 - 99. (DOI: 10.1007/978-981-13-6159-3\_11) (E-ISBN: 978-981-13-6159-3) (10 – 11 February) (Malaviya National Institute of Technology) (Springer – Lecture Notes in Electrical Engineering)
- 14) R.Sornalatha and **N.Janakiraman**, "Multiuser Visible Light Communication System for Reliable Wireless Communication", 2017 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Coimbatore, 15<sup>th</sup> December 2017, pp. 1 - 6. (DOI: 10.1109/ICCIC.2017.8524159) (E-ISBN: 978-1-5090-6621-6) (14 – 16 December) (Tamilnadu College of Engineering)
- 15) R.Sornalatha, **N.Janakiraman** and T.Balasharmitha, "Modeling of Widely Linear Digitally Controlled Self-Interference Canceller for Full-Duplex Transceiver", 2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, 22<sup>nd</sup> March 2017, pp. 229-235. (DOI: 10.1109/WiSPNET.2017.8299753) (E-ISBN: 978-1-5090-4442-9) (22 – 24 March) (SSN College of Engineering)
- 16) H.Kareemullah, **N.Janakiraman** and P.Nirmal Kumar, "A Survey on Embedded Reconfigurable Architectures", 2017 International Conference on Communications and Signal Processing (ICCSP), Chennai, 8<sup>th</sup> April 2017, pp. 1500-1504. (DOI: 10.1109/ICCSP.2017.8286636) (E-ISBN: 978-1-5090-3800-8) (6 – 8 April) (Adhiparasakthi Engineering College)
- 17) S.Anitha and **N.Janakiraman**, "Network Lifetime Augmentation by EASR Method in Wireless Sensor Networks", 2015 International Conference on Circuit, Power and Computing Technologies, Kumaracoil, 20<sup>th</sup> March 2015, pp. 1 - 7. (DOI: 10.1109/ICCPCT.2015.7159497) (E-ISBN: 978-1-4799-7075-9) (19 – 20 March) (Noorul Islam University)
- 18) A.P.Sriram and **N.Janakiraman**, "Image Processing System using Drones", National Conference on Computing and Communication in Emerging Technologies, Karur, 23<sup>rd</sup> March 2018, pp. 98-101. (23 March) (Chettinad College of Engineering and Technology)
- 19) K.Karthiga and **N.Janakiraman**, "An Efficient Human Tracking System using Local Binary Pattern and Cellular Non Linear Networks", International Web Conference on Smart Engineering Technologies - 2020 (IWCSET-2020), Rajapalayam, 26<sup>th</sup> June 2020, pp. 72-75. (26 - 27 June) (Ramco Institute of Technology)
- 20) S.Sandiya and **N.Janakiraman**, "Multiclass Support Vector Machine based Detection and Classification of Lung Cancer Stages", International Conference on Emerging Trends in Wireless Communications, Signal Processing and Networking, Coimbatore, 8<sup>th</sup> March 2019, pp. 112-116. (7 – 8 March) (Avinashilingam Institute for Home Science and Higher Education for Women)

- 21) K.Mathumala and **N.Janakiraman**, “Detection of Malicious Nodes in IoT Networks using Machine Learning Technique”, International Conference on Innovations in Engineering and Industrial Applications (ICIEIA-18), Madurai, 11<sup>th</sup> May 2018, pp. 82-87. (11 - 12 May) (K.L.N. College of Engineering)
- 22) C.Kanimozhi and **N.Janakiraman**, “Detection and Prevention of Wormhole Attacks in Wireless Sensor Networks using Distributed Deadlock Detection Algorithms”, International Conference on Recent Trends in Computing and Information Technology (ICRTCIT), Chennai, 29<sup>th</sup> March 2017, pp. 512-518. (27 – 31 March) (SRM Institute of Science and Technology)
- 23) S.Prabu and **N.Janakiraman**, “Deployment of Wireless Services in Vehicles using SDR based Wireless Communication”, International Conference on Emerging Trends in Information & Communication Technologies (ETICT-2016), Pulloor, 27<sup>th</sup> April 2016, pp. 123-129. (27 April) (Sethu Institute of Technology)
- 24) M.Kalaiyarasi and **N.Janakiraman**, “Network Routing without Delay using Message Scheduling”, International Conference on Recent Advances in Engineering, Science and Technology (ICON’15), Kumaracoil, 17<sup>th</sup> April 2015, pp. 348-352. (17 April) (Noorul Islam University)