MEMBERS FROM ANNAUNIVERSITY AND AFFILLIATED COLLEGES

Name : Dr. J.Senthilkumar

Designation: Professor

Department: Information Technology

Name of the Organization: Sona College of Technology

Place: Salem

Pincode: 636005

Mobile: 9715620240

Email: senthilkumarj@sonatech.ac.in

Area of Specialization: Wireless Sensor Networks, Digital Image Processing

Journal Publications Last 5 years

2014

1. Parithimar Kalaignan. T, Senthil Kumar. J, Suresh.Y", PSO and GA Based Performance Optimization of PI Controller in Three Phase Shunt Hybrid Filter", International Journal of Engineering Research & Technology (IJERT) ISSN 2278- 0181,Vol 3.No:8,Aug 2014.

2 ,T. Parithimar Kalaignan , **Senthil Kumar. J** and Y. Suresh", A Novel Dissociated Current Control Technique for Harmonic Minimization in Non-Linear Loads", International Review on Modelling and Simulations (I.RE.MO.S.), ISSN 1974-9821 Vol 1.No:1,FEB 2014**. (Scopus)**

3. P.Priya and **J. Senthilkumar**,", ASH-HEED Protocol for Heterogeneous Wireless Sensor Networks", International Journal of Innovative Research in Computer and Communication Engineering, ISSN(Online): 2320-9801, Vol.2, Special Issue 5, October 2014

4. A. Santhosh and **J. Senthil Kumar** ", Tracing the Adversaries using Packet Marking and Packet Logging", International Journal of Computer Science and Business Informatics, ISSN: 1694-2108 .PP 86-100,| Vol. 13, No. 1. MAY 2014

2015

5. P.Priya and **J. Senthilkumar**,",Level Orient Density Estimation Technique Based Cluster Formation To Improve The Performance Of LEACH For Lifetime Maximization Of Wireless Sensor Networks Using Particle Swarm Optimization", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 2 (2015) pp. 2521-2529. **(Scopus)**

6. R.Snega **and J.Senthil kumar** ", Detection And Healing Of Holes In Wireless Sensor Network", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ,ISSN: 0976-1353 Volume 13 Issue 4 –PP 380- 385,MARCH 2015..

7. M. Lakshmi and **J. Senthilkumar** ,", Optimized Vector Quantization for Bayer Color Filter Array", World Academy of Science, Engineering and Technology

    ,International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:6,pp 1566-1572,Dec 2015.**(Scopus)**

2016

8. M. Lakshmi , **J. Senthilkumar** , Y. Suresh", Visually lossless compression for Bayer color filter array using optimized Vector Quantization", Applied Soft Computing, Elsevier,Volume 46 Issue C, Pages 1030-1042, September 2016. **(Impact Factor**

    :2.86) –SCI Journal

9. **Dr.J.Senthilkumar**, Dr.Y.Suresh and .S.S.Aravinth," A Study Of Minimal Exposure Problems And Comparative Analysis Of Various Proposed Models For Wsns", International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE) Vol. 2, Special Issue 14, April 2016.

10. P. Priya and **J. Senthil Kumar** ", Region Proximity Approximation Based Cluster Head Selection Approach for Lifetime Maximization of Wireless Sensor Networks", International Journal of Printing,

Packaging & Allied Sciences, Vol. 4, No. 1, Pp694- 705, December 2016 . **(Scopus).**

11. Iyyanar P and **Senthilkumar J** "Effective and secure video streaming based on modified SRTP using AES-CFB encryption" International Journal of Advanced Engineering and Technology (IJAET) ISSN:Vol.8 Issue:2, April 2016**. (Scopus)**

12. Preethi.S. J and **Senthilkumar J** , "IoT Based Secure Healthcare System using BSN ", in International Journal of Science and Engineering Research (IJSER), ISSN: 2229- 5518, Vol 7, Issue 10, October 2016.

2017

13. J. Gokulraj, Dr. **J. Senthilkumar**, Dr. Y. Suresh " Distributed Data Storage Scheme and Efficient Way to Process Data in Wireless Sensor Network" International Journal of Scientific Research in Computer Science, Engineering and Information Technology Volume 2, Issue 4 ISSN : 2456-3307, pp 348-351, Aug 2017.

14. Susaritha and **J.Senthilkumar** " A survey on Architectural modifications for improving performance of devices using FINFET techniques.", International Research journal of Engineering and Technology,Vol.4,Issue 7,July 2017.

15. Preethi.S.J and **Senthil Kumar.J** "IoT Based Secure Healthcare System using BSN", in International Journal for Research in Science, Engineering and Technology (IJRSET), ISSN: 2394-739X, Vol. 4, Issue 4, April 2017.

2018

16. Tamilselvi, **Dr.J.Senthilkumar**, Y.Suresh "Design of an Efficient VLSI Architecture for Adaptive Filter Using Systolic Architecture" Jour of Advanced Research in Dynamical & Control Systems,Vol. 10, 05-,Pp 1191-1197,Apr, 2018 (**Scopus Indexed Journal**)

17. B. Ramesh, **J. Senthilkumar,** Y. Suresh, V. Mohanraj A Review and

Survey on PAPR Reduction Techniques in OFDM System International Journal of Emerging Technologies in Engineering Research (IJETER) Volume 6, Issue 11, November 2018

2019

18.	Mouliraj.V , Mohanraj.V , **Senthilkumar.J** , Suresh.Y , Shanmugaraja.P "Eye Direction Based Safety Navigation System for Physically Challenged Person" International Journal of Advanced Research in Computer and Communication Engineering, Vol. 8, Issue 1, January 2019

19.	B.Saravanan, V.Mohanraj, **Dr.J.Senthilkumar** "A fuzzy entropy technique for dimensionality reduction in recommender systems using deep learning" Soft Computing –Springer Vol. 23, No. 8, pp.2575-2583, April 2019 **(SCI- Journal, Impact Factor :2.367)**

20.	Gopalakrishnan Sriraman J. Senthil Kumar "Driving Secure Collaboration and E2e Transparency With Implementation of Tools In Large Scale Agile Software Development Life Cycle", Pramana Research Journal, Volume 9, Issue 4, Pages 832- 847, 2019

21.	S.S Aravinth**, J. Senthilkumar,** Y. Suresh, V. Mohanraj "A hybrid swarm intelligence based optimization approach for solving minimum exposure problem in wireless sensor networks" in concurrency and computation, Wiley Publishers ,https://doi.org/10.1002/cpe.5370 ,June 2019 **(SCI- Journal, Impact Factor :1.167)**

22.	B. Ramesh, **J. Senthilkumar**, Y. Suresh, V. Mohanraj "Filter Bank Multicarrier Based Generalized Discrete Fourier Transform for Peak to Average Power Ratio Reduction" in Journal of Mobile Networks and Applications ,Springer, DOI: 10.1007/s11036-019-01391-8 Oct 2019 **(SCI- Journal , Impact factor : 2.39)**

23. B. Ramesh, **J. Senthilkumar**, Y. Suresh, V. Mohanraj "Constrained pattern extension algorithm based peak power reduction techniques for MIMO-OFDM applications" in Computer Communications , Elsevier, vol 148, Pages 42-47, December 2019 (SCI- Journal , Impact factor : 2.766)

24. S.S.Aravinth, **J.Senthilkumar**, V.Mohanraj, Y.Suresh "An Improved Artificial Bees Colony Algorithm to Solve Minimal Exposure Problem in Wireless Sensor Networks" International journal of Innovative and Exploring Engineering (TM) Vol. 9, Issue 1, pages 1764-1771 Nov2019(Scopus Indexed Journal)

International Conferences

1. K Saraswathi, B Saravanan, Y Suresh**, J Senthilkumar** "Survey: A Hybrid Approach to Solve Cold-Start Problem in Online Recommendation System" in Proceedings of the International Conference on Intelligent Computing Systems (ICICS 2017–Dec 15th-16th 2017) organized by Sona College of Technology, Salem, Tamilnadu, India