Dr.J.Dinesh Peter
Associate Professor
Department of Computer Science and Engineering
Karunya University, Coimbatore.

Last Five Year Publications

International Journals

1. Adonu Celestine, J Dinesh Peter, "**Investigations on adaptive connectivity and shape prior based fuzzy graph cut colour image segmentation**", 2020,Expert Systems, Volume 37,Issue 5.

2. DJ Jagannath, D Raveena Judie Dolly, J Dinesh Peter, "**Deep learning strategies for foetal electrocardiogram signal synthesis**", 2020, Pattern Recognition Letters ,Volume 136,Pages286-292.

3. D Raveena Judie Dolly, J Dinesh Peter, G Josemin Bala, DJ Jagannath, "**Image fusion for stabilized medical video sequence using multimodal parametric registration**", 2020, Pattern Recognition Letters.

4. D Raveena Judie Dolly, G Josemin Bala, J Dinesh Peter, DJ Jagannath, "**A Novel Adaptive Frame Determination Methodology with Fixed and Adaptive Thresholds Using Affine Motion Parameter for Video Quality Enhancement**", 2020, IETE Journal of Research,Page 1-10, Taylor & Francis.

5. DJ Jagannath, D Raveena Judie Dolly, J Dinesh Peter, "**Composite Deep Belief Network approach for enhanced Antepartum foetal electrocardiogram signal**" ,2020, Cognitive Systems Research,Volume 59, Pages 198-203, Elsevier.

6. S Akila Agnes, J Anitha, S Immanuel Alex Pandian, J Dinesh Peter, "**Classification of mammogram images using multiscale all convolutional neural network (MA-CNN)**" ,2020, Journal of Medical Systems,Volume 44, Issue 1, Page 30,Springer US.

7. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**Retinal blood vessel segmentation from diabetic retinopathy images using tandem PCNN model and deep learning based SVM**", 2019, Optik,Volume 199, Urban & Fischer.

8. J Dinesh Peter, Steven Lawrence Fernandes, Carlos Eduardo Thomaz, "**Advances in Computerized Analysis in Clinical and Medical Imaging**", 2019, CRC Press.

9. S Durga, S Mohan, J Dinesh Peter, S Surya, "**Context-aware adaptive resource provisioning for mobile clients in intra-cloud environment**", 2019, Cluster Computing, Volume 22,Issue 4, Springer US.

10. J Dinesh Peter, Elijah Blessing Rajsingh, Amir H Alavi, "**Special Section on Big Data and Cloud Technologies**" 2019, Computers & Electrical Engineering,Volume 75,Pergamon.

11. DJ Jagannath, D Raveena Judie Dolly, J Dinesh Peter, "**A novel Bayesian deep learning methodology for enhanced foetal cardiac signal mining**", 2019, Journal of Experimental & Theoretical Artificial Intelligence, Volume 31,Issue 2,Page 215-224,Taylor and Francis.

12. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**Extraction of retinal blood vessels on fundus images by kirsch's template and Fuzzy C-Means**", 2019, Journal of medical physics, Volume 44, Issue 1, Page 21, Wolters Kluwer--Medknow Publications.

13. J Dinesh Peter, "**Computer aided intervention and diagnostics in clinical and medical images**", 2019, Volume 31, Springer.

14. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**Segmentation of retinal blood vessels from ophthalmologic diabetic retinopathy images**", 2019, Computers & Electrical Engineering, Volume 73, Pages 245-258,Pergamon.

15. S Akila Agnes, J Anitha, J Dinesh Peter, "**Automatic lung segmentation in low-dose chest CT scans using convolutional deep and wide network (CDWN)**", 2018, Neural Computing and Applications, Page 1-11,Springer London.

16. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**Retinal Blood Vessel Segmentation from Depigmented Diabetic Retinopathy Images**", 2018, IETE Journal of Research,Pages 1-18.

17. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**IOT based sustainable diabetic retinopathy diagnosis system**", 2018, Sustainable Computing: Informatics and Systems,Elsevier.

18. Getzi Jeba Leelipushpam Paulraj, Sharmila Anand John Francis, J Dinesh Peter, Immanuel Johnraja Jebadurai, "**Resource-aware virtual machine migration in IoT cloud**", 2018, Future Generation Computer Systems, Volume 85, Pages 173-183.

19. Emmanuel Joy, J Dinesh Peter, "**Perspective model-based visual tracking scheme for robust tracking of objects in complex environs**", 2 018, Multimedia Tools and Applications, Volume 77, Issue 15, pages 19745-19768, Springer US.

20. D Raveena Judie Dolly, G Josemin Bala, J Dinesh Peter, "**A hybrid tactic model intended for video compression using global affine motion and local free-form transformation parameters**", 2018, Arabian Journal for Science and Engineering, Volume 43, Issue 8, Pages 4249-4263, Springer Berlin Heidelberg.

21. Getzi Jeba Leelipushpam Paulraj, Sharmila Anand John Francis, J Dinesh Peter, Immanuel Johnraja Jebadurai, "**A combined forecast-based virtual machine migration in cloud data centers**", 2018, Computers & Electrical Engineering, Volume 69, Page 287-300.

22. Adonu Celestine, J Dinesh Peter, "**An IoT based modified graph cut segmentation with optimized adaptive connectivity and shape priors**" ,2018, Sustainable Computing: Informatics and Systems,Elsevier.

23. Jebaveerasingh Jebadurai, J Dinesh Peter, "**Super-resolution of retinal images using multi-kernel SVR for IoT healthcare applications**", 2018, Future Generation Computer Systems, Volume 83, Pages 338-346.

24. S Durga, S Mohan, J Dinesh Peter, "**Multi-Context Based Optimal Resource Provisioning in Mobile Cloud Environments**", 2018, Journal of Computational and Theoretical Nanoscience, Volume 15, Issue 5, Pages 1762-1768,American Scientific Publishers.

25. Elijah Blessing Rajsingh, Jey Veerasamy, Amir H Alavi, J Dinesh Peter, "**Advances in Big Data and Cloud Computing**" ,2018,Volume 645, Springer.

26. Emmanuel Joy, J Dinesh Peter, "**Visual tracking with conditionally adaptive multiple template update scheme for intricate videos**" ,2018, Multimedia Systems, Volume 24, Issue 2,Pages 175-194.

27. Emmanuel Joy, T Sujatha, J Dinesh Peter, "**An outline on Computer Vision based visual tracking methods and performance evaluation metrics**", 2018, International Journal of Pure and Applied Mathematics,Volume 119, Issue 12, Pages 1311-1327.

28. Jebaveerasingh Jebadurai, J Dinesh Peter, "**SK-SVR: Sigmoid kernel support vector regression based in-scale single image super-resolution**", 2017, Pattern Recognition Letters,Volume 94, Pages 144-153.

29. J Anitha, J Dinesh Peter, S Immanuel Alex Pandian, "**A dual stage adaptive thresholding (DuSAT) for automatic mass detection in mammograms**" ,2017, Computer methods and programs in biomedicine, Volume 138, Pages 93-104, Elsevier.

30. D Raveena Judie Dolly, G Josemin Bala, J Dinesh Peter, "**Performance enhanced spatial video compression using global affine frame reconstruction**", 2017, Journal of Computational Science, Volume 18,Pages 1-11,Elsevier.

31. J Anitha, J Dinesh P**eter, "Mammogram segmentation using maximal cell strength updation in cellular automata**", 2015, Medical & biological engineering & computing, Volume 53, Issue 8,Pages 737-749, Springer Berlin Heidelberg.

32. J Anitha, J Dinesh Peter, "**Mass segmentation in mammograms using a kernel-based fuzzy level set method**", 2015, International Journal of Biomedical Engineering and Technology, Volume 19, Issue 2, Pages 133-153, Inderscience Publishers (IEL).

33. D Raveena Judie Dolly, G Josemin Bala, J Dinesh Peter, "**Adaptation of frames for GOP using NSEW affine translation for effective privacy protection mechanism**", 2015, International Journal of Electronic Security and Digital Forensics, Volume 7, Issue 3, Pages 223-233, IEL.

International Conference:

1. D Raveena Judie Dolly, DJ Jagannath, J Dinesh Peter, "**Statistical investigations on hybrid frame assessment tactics for video compression**", 2019 Third International Conference on Inventive Systems and Control (ICISC),Pages 588-591,IEEE.

2. Getzi Jeba Leelipushpam Paulraj, Sharmila An John Francis, J Dinesh Peter, Immanuel Johnraja Jebadurai, "**Route aware virtual machine migration in cloud datacenter**", 2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT), Pages 363-367,IEEE.

3. J Anitha, J Dinesh Peter, "**A spatial fuzzy based level set method for mammogram mass segmentation**", 2015 2nd International Conference on Electronics and Communication Systems (ICECS), Pages 1-6, IEEE.

Book Chapter:

1. D Raveena Judie Dolly, DJ Jagannath, J Dinesh Peter, "**Video Stabilization for High-Quality Medical Video Compression**" ,2019, Computer Aided Intervention and Diagnostics in Clinical and Medical Images, Page 255-259,Springer.

2. T Jemima Jebaseeli, C Anand Deva Durai, J Dinesh Peter, "**Segmentation of Type II Diabetic Patient's Retinal Blood Vessel to Diagnose Diabetic Retinopathy**", 2019, Computer Aided Intervention and Diagnostics in Clinical and Medical Images, Page 153-160,Springer.

3. Getzi Jeba Leelipushpam Paulraj, Sharmila John Francis, J Dinesh Peter, Immanuel John Raja Jebadurai, "**Fault-Tolerant Cloud System Based on Fault Tree Analysis**", 2019, Advances in Big Data and Cloud Computing, Pages 1-9, Springer Singapore.

4. J Dinesh Peter, Amir H Alavi, Bahman Javadi, "**Advances in Big Data and Cloud Computing: Proceedings of ICBDCC18**", 2018,Volume 750, Springer.

5. Jebaveerasingh Jebadurai, J Dinesh Peter, "**DeepCS: Deep Convolutional Neural Network and SVM Based Single Image Super-Resolution**" , 2018,Pages 3-13, Springer,Cham.

6. S Durga, S Mohan, J Dinesh Peter, "**A two-stage queue model for context-aware task scheduling in mobile multimedia cloud environments**", 2018, Advances in Big Data and Cloud Computing, Pages 287-297, Springer, Singapore.

7. Emmanuel Joy, J Dinesh Peter, "**Tracking of Unique Colored Objects: A Simple, Fast Visual Object Detection and Tracking Technique**", 2015, Informatics and Communication Technologies for Societal Development, Pages 149-156, Springer, New Delhi.

8. D Raveena Judie Dolly, G Josemin Bala, J Dinesh Peter, "**Automatic Adaptation of Frames Using NSEW Affine Translation**" , 2015, Informatics and Communication Technologies for Societal Development, Pages 139-148, Springer, New Delhi.