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Area of Specialization: Computer Networks, Deep learning-based image recognition

Recent publications: (Last 5 Years)

1. Joseph, S.I.T., Sasikala, J., Juliet, D.S., (2020) " Detection of Ship from Satellite Images Using Deep Convolutional Neural Networks with Improved Median Filter", Remote Sensing and Digital Image Processing, 24, pp. 69-82

2. Jonitta Meryl, C., Dharshini, K., Sujitha Juliet, D., Akila Rosy, J., Jacob, S.S. Deep Learning based Facial Expression Recognition for Psychological Health Analysis, Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, 9182094, pp. 1155-1158

3. Joseph S. I., Sasikala J, and Sujitha Juliet D., (2019) "Optimized vessel detection in marine environment using hybrid adaptive cuckoo search algorithm", Computers and Electrical Engineering, 78, 482-492, IF: 2.189

4. Joseph S. I., Sasikala J, and **Sujitha Juliet D.,** (2019) "A novel vessel detection and classification algorithm using a deep learning neural network model with morphological processing", Soft Computing, 23(8), 2693-2700, **IF: 2.367**

5. Joseph S.I., Edwin Raj B. S., Sasikala J, **Sujitha Juliet D.** (2019) "Smart Vessel Detection using Deep Convolutional Neural Network", ITT Emerging Technologies for Artificial Intelligence , Proc. 5th Int. Conf. HCT Information Technology Trends, Dubai, UAE, 28-32

6. Sai B. R , Sujitha Juliet, D (2019), "Transfer learning with RESNET-50 for malaria cell-image classification", Proc. 8th IEEE Int. Conf. Communication and Signal Processing, ICCSP 2019, India, 945-949

7. Andrews J., Sujitha Juliet, D, (2019) "Recent advances and investigation of efficient Computer Aided Diagnosis systems for CT images in Liver cancer detection", International Journal of Advanced Trends in Computer Science and Engineering, 8(3), 343-348

8. Sujitha Juliet, Rajsingh E. B., Ezra K., (2016) "A novel medical image compression using ripplet transform" Journal of real time image processing, Springer publications, 11(2), 401–412 IF :1.564
9. Jemima Jebaseeli, T., Sujitha Juliet D., Anand Devadurai C., (2016) "Segmentation of retinal blood vessels using pulse coupled neural network to delineate diabetic retinopathy" Communications in Computer and Information Science, 679, 268-285.