

Name : Dr.V Masilamani

Designation : Associate Professor

Department : Computer Science and Engineering

University/Institute : IITDM

Place: Kancheepuram

Publications

1. Ayesha Shaik and Vedhanayagam Masilamani, "A Robust Digital Image Watermarking based on Singular Value Decomposition and Tabu-Search", IIOAB Journal, Vol. 6, no. 3, pp. 1-12, 2015. (Scopus Indexed)
2. Ayesha K, Masilamani V, "An imperceptible digital image watermarking technique by compressed watermark using PCA" In: Advances in Intelligent Informatics. Cham, Springer, p 287–295, 2015
3. V. Masilamani, D.K. Sheena Christy, D.G. Thomas, A.K. Nagar and T. Robinson, "Accepting H Iso-Array System", IWCIA 2015, LNCS 9448, pp. 217-231, 2015
4. Ayesha Sk, and V. Masilamani, " Robust Secure Zero Watermarking for Digital Videos in SlantletDomain", International journal of control theory and applications, I J C T A, Vol. 9, no. 40, pp. 607-613, 2016, (Scopus Indexed)
5. De, Kanjar, and V. Masilamani. "No-reference image contrast measure using image statistics and random forest." Multimedia Tools and Applications, Vol. 76, no. 18, pp. 18641-18656, 2017 (SCI Indexed)
6. Kanjar De, V Masilamani, "Image Quality Assessment for Blurred Images using Nonsubsampled Contourlet Transform Features", Journal of Computers, vol 12, Issue 2, pp 156-164, 2017
7. Kanjar De, Masilamani V, "No-reference Image Quality Assessment for images degraded by Quantization Defects", International Journal of Advance Computational Engineering and Networking Vo 5, Issue No.12, pp: 88-93, 2018
8. Ayesha Sk , V. Masilamani, "A novel digital watermarking scheme for data authentication and copyright protection in 5G networks" , Computers and Electrical Engineering, Vol. 72, pp. 589-605, 2018(SCI Indexed)
9. V.M. Manikandan, V. Masilamani, "Histogram shifting-based blind watermarking scheme for copyright protection in 5G", Computers and Electrical Engineering, Vol 71, pp. 614-630, 2018(SCI Indexed)
10. Kanjar De, Masilamani V, "No Reference Image Quality Measures for Images with Multiple Distortions Using Random Forests for Multi-Method Fusion", Image Analysis and Stereology, Vol 37, No. 2, pp. 105-117. 2018 (SCI Indexed)

11. Kanjar De, Masilamani V, A no-reference image quality measure for blurred and compressed images using sparsity features, Cognitive Computation, Vol. 10, No. 6, pp. 980-990, 2018(SCI Indexed)
12. V. M. Manikandan, V. Masilamani, "Reversible Data Hiding Scheme During Encryption Using Machine Learning", Procedia Computer Science, vol. 133, pp. 348-356, 2018(Scopus Indexed)
13. Vijasri L., V. M. Manikandan, V. Masilamani, " Principal Component Analysis Based Paralytic Attack Detection Using a New Distance Measure", Procedia Computer Science, vol. 133, pp. 306-314, 2018. (Scopus Indexed)
14. Kanjar De, V. Masilamani, No-reference Image Sharpness Measure using Discrete Cosine Transform Statistics and Multivariate Adaptive Regression Splines for Robotic Applications, Procedia Computer Science, vol. 133, pp. 268-275, 2018. (Scopus Indexed)
15. Ayesha Shaik, V. Masilamani , Zero-Watermarking in Transform Domain and Quad tree Decomposition for Under Water Images Captured by Robot, Procedia Computer Science vol. 133, pp. 385-392, 2018 (Scopus Indexed)
16. V. M. Manikandan, V. Masilamani, "A Novel Reversible Data Hiding Scheme that Provides Image Encryption", Journal of Image and Graphics, vol. 6, issue 1, pp. 64-68, 2018(Scopus Indexed)
17. D. K. Sheena Christy, V. Masilamani, D.G. Thomas, Atulya K. Nagar, and T. Robinson, Accepting H-Array Splicing Systems and their Properties, Romanian Journal of Information Science and Technology, Vol 21. no. 3, (2018), pp. 298-309(SCI Indexed)
18. Anjani Sankar Mantripragada, Sai Phani Teja, Rohith Reddy Katasani, Pratik Joshi, V Masilamani, Raj Ramesh," Prediction of Adverse Drug Reactions Using Drug Convolutional Neural Networks", Journal of Bioinformatics and Computational Biology, Accepted
19. V. M. Manikandan, Nelapati Lava Prasad , V. Masilamani, " Half Difference Expansion Based Reversible Data Hiding Scheme for Medical Image Forensics", Current Medical Imaging, In Press
20. Ayesha Shaik, V Masilamani," Secure Video Watermarking Technique Using Cohen-Daubechies-Feauveau Wavelet and Gollman Cascade Filtered Feedback Carry Shift Register (F-FCSR)", Proceedings of the 3rd International Symposium on Big Data and Cloud Computing Challenges (ISBCC-16'), pp 111-118, 2016
21. VM Manikandan, V Masilamani,"An efficient visually meaningful image encryption using Arnold transform", 2016 IEEE Students' Technology Symposium (TechSym), pp 266-271 2016

22. VM Manikandan, V Masilamani, "A context dependent fragile watermarking scheme for tamper detection from demosaicked color images", Proceedings of the Tenth Indian Conference on Computer Vision, Graphics and Image Processing, pp 1-8, 2016
23. J Julie, J Baskar Babujee, V Masilamani, "Dissecting power of certain matrix languages", International Conference on Theoretical Computer Science and Discrete Mathematics, pp 98-105, 2016
24. VM Manikandan, V Masilamani," A Novel Machine Learning Approach to Prevent Illegal Distribution of Screen Captured Videos", IEEE International Conference on the Science of Electrical Engineering in Israel (ICSEE), pp 1-5, 2018
25. Pratik Joshi, Ranjth Raj KS, V Masilamani, Jahnavi Alike, K Suresh, K Kumaresh, "Optic Disc Localization using Interference Map and Localized Segmentation", IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP), pp 1-4, 2019
26. Ayesha Shaik, V Masilamani," A Robust SLIC Segmentation Based Zero Watermarking Scheme Using DWT And Partial Pivoting LU Decomposition," IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP), pp 1-5, 2019
27. VM Manikandan, V Masilamani, "A Novel Entropy-based Reversible Data Hiding during Encryption", IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP), pp 1-6, 2019
28. Vazhora Malayil Manikandan, Vedhanayagam Masilamani, "An improved reversible data hiding scheme through novel encryption", Conference on Next Generation Computing Applications (NextComp), pp1-5, 2019
29. S Kiruthika, V Masilamani, "A Machine Learning Algorithm for No Reference Image Quality Assessment using Non-Subsampled Contourlet and Curvelet Transform", IEEE Conference on Information and Communication Technology, pp 1-4, 2019