Papers published in International Journals of

Dr. S. Domnic,

Assistant Professor,

Department of Computer Applications,

National Institute of Technology, Trichy.

E-Mail ID: domnic@nitt.edu Contact No: 99949 04763

[1] J.Praveen Kumar and **S.Domnic**, "Image based Leaf segmentation and counting in Rosette plants", Information Processing in Agriculture, December, 2018 (Elsevier)

[2] M. Naveenkumar and **S.Domnic**, "Vector Quantization based Pairwise Joint Distance Maps (VQ-PJDM) for 3D Action Recognition", Procedia Computer Science, Vol-133, 27–36, 2018. (SCOPUS) (Best Paper Award)

[3] S.Jayasankari S and **S.Domnic**, "A New Brightness Assessment Method to Predict the Balance of Color Occurrence", Procedia Computer Science, Vol-133, 19–26, 2018. (SCOPUS)

[4] J.Praveen Kumar and **S.Domnic**, "Image Based Plant Phenotyping using Graph Based Method and Circular Hough Transform", Journal of Information Science and Engineering, Vol.34 (3), May 2018 (SCIE).

[5] J. Nelson Raja, P. Jaganathan and **S. Domnic**, "Variable length integer codes based on radix number system conversion", Electronics Letters, Vol. 52 No. 16 pp. 1385–1387, Aug-2016. (SCI).

[6] J. Nelson Raja, P. Jaganathan and **S. Domnic**," Modified Golomb Code For Integer Representation, IJSRD, Vol 3(10), January 2016.

[7] J. Nelson Raja, P. Jaganathan and **S. Domnic**," A New Variable-length Integer Code for Integer Representation and Its Application to Text Compression, Indian Journal of Science and Technology, Vol 8(24), IPL0385, September 2015.

[8] **S.Domnic** and V.Glory, " Extended Rice Code and Its applications to R-Tree Compression," IETE Journal of Research,61(6), 2015. (SCIE)

[9] G.G.Lakshmi Priya and **S.Domnic**," Walsh Hadamard Transform Kernel based Feature Vector for Shot Boundary Detection", IEEE Trans. on Image Processing, 23(12), 5187-5196, 2014. (SCI)

[10] G.G.Lakshmi Priya and **S.Domnic**, Shot based Keyframe Extraction for Ecological Video Indexing and Retrieval", International Journal of Ecological Informatics, 23, 107-117, 2014 (Elsevier) (SCIE)

[11] K.Somasundaram and **S.Domnic**, "Extended Golomb Code for Integer Representation," IEEE Transactions on Multimedia, vol 9(2), pp.231-239, Feb-2007. (SCI)

[12]   V. Glory, **S. Domnic**, "Compressing Inverted Index Using Optimal FastPFOR", Journal of Information Processing, Vol.23(2), pp.1-7, 2015.

[13]   **S.Domnic** and K.Somasundaram, "FAST AND LOW BIT RATE AMBTC IMAGE COMPRESSION SCHEME," International Journal of Computers and Applications, Vol-33 (2), pp. 2011 (ACTA Press).

[14]   G.G.Lakshmi Priya and **S.Domnic**, "Shot Boundary Detection Using Hilbert Transform based Features", ICTACT Journal On Image and Video Proc., Vol.5 (4), pp:1001-1009, 2015.

[15]   G.G.Lakshmi Priya and **S.Domnic**, "Shot boundary based keyframe extraction for video summarization", International Journal of Computational Intelligence Studies, 3(2/3): 157-175, 2014 (InderScience) .

[16]   V. Glory, **S. Domnic**: Re-Ordered FEGC and Block Based FEGC for Inverted File Compression. IJIRR ,3(1): 71-88, 2013. (IGI Global)

[17]   G.G.Lakshmi Priya and **S.Domnic**, "Medical video summarization using central tendency based shot boundary detection". International Journal of Computer Vision and Image Processing, 3(1), pp. 55-65, 2013. (IGI Global)

[18]   G.G.Lakshmi Priya and **S.Domnic** , "Detection of Abrupt and Gradual Transitions in Digital Video Sequences", International Journal of Information Processing, 6(1), 21-31, 2012.

[19]   G.G.Lakshmi Priya and **S.Domnic**, "Transition Detection Using Hilbert Transform and Texture Features," American Journal of Signal Processing, Vol. 2(2), pp. 35-40, 2012.

[20]   K.Somasundaram and **S.Domnic**, "Modified Vector Quantization method for Image Compression," International Journal of Engineering Applied Sciences, Vol-13, 2006.

[21]   K.Somasundaram and **S.Domnic**, "An Improved Block Truncation Coding Image Compression," International Journal of Mathematical Sciences, vol.5 (2), pp.189-201, Dec 2006.