



S. Mukhopadhyay **CV** **Research / Publications**

Associate Professor

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Qualifications : Ph.D. (ISI, Calcutta)

M.Tech. (Calcutta Univ.)

B.Tech. (Calcutta Univ.)

B.Sc(Hons) (Presidency College, Calcutta)

Sushanta Mukhopadhyay, Associate Professor, had joined the Department of Computer Science and Engineering, Indian School of Mines, Dhanbad on 02 April, 2007 as an Assistant Professor. He did Higher Secondary from St. Xavier's College, Calcutta, B.Sc with Honours in Physics from Presidency College, Calcutta, B.Tech in Radiophysics and Electronics from the University of Calcutta and M.Tech in Radiophysics and Electronics from the University of Calcutta. He did his Ph.D. in Image Processing from The Indian Statistical Institute, Calcutta. During 2001-2003 and 2004-2007 he worked at the Burnham Institute, La Jolla, California, USA and the Nanyang Technological University, Singapore respectively. His research area and interest include image processing, fMRI, image compression, image encryption and image watermarking.

Specialization Image Processing

Research Interest image processing, fMRI, image/video compression, image/video encryption and image watermarking

Some publications:

- 1.A.K.Pal, S.Das, G.P.Biswas and S. Mukhopadhyay, "A VQ-DCT Scheme for Gray-scale Image Watermarking.", International Journal of Computer Applications, Vol:2,No:3 pp:54-59, May, 2010.
(<http://www.ijcaonline.org/volume2/number3/pxc387898.pdf>)
2. Arup Kumar Pal, G. P. Biswas and S. Mukhopadhyay, "Designing of High-Speed Image Cryptosystem Using VQ Generated Codebook and Index Table", IEEE International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2010, 12-13 March, 2010, Kerala, India, pp-39-43.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5460616>
3. A.Pal, G.P. Biswas and S. Mukhopadhyay, "Design of Image Cryptosystem by Simultaneous VQ-Compression and Shuffling of Codebook and Index Matrix", International Journal of Multimedia & Its Applications (IJMA), Vol. 1, No. 1, pp:1-9, November 2009.
(<http://www.ijcaonline.org/volume2/number3/pxc387898.pdf>)
4. Jagath C. Rajapakse, C. L. Tan, Xuebin Zheng, Susanta Mukophadyay, Kanyan Yang "Exploratory Analysis of Brain Connectivity with ICA", IEEE Engineering in Medicine and Biology Magazine, Volume: 25 Issue: 2, pages: 102-111, March/April 2006
5. S. Mukhopadhyay and B. Chanda, "Multi-scale morphological segmentation of gray-scale images", IEEE Transactions on Image Processing, Vol 12, No. 5, pages: 533-549, 2003.

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