

List of Publications

Dr.G.Sainarayanan

1. Sainarayanan, G., Nagarajan, R. and Yaacob, S., 2007. Fuzzy image processing scheme for autonomous navigation of human blind. *Applied Soft Computing*, 7(1), pp.257-264.
2. Balakrishnan, G., Sainarayanan, G., Nagarajan, R. and Yaacob, S., 2007. Wearable real-time stereo vision for the visually impaired. *Engineering Letters*, 14(2).
3. MageshKumar, C., Thiyagarajan, R., Natarajan, S.P., Arulselvi, S. and Sainarayanan, G., 2011, March. Gabor features and LDA based face recognition with ANN classifier. In *2011 International Conference on Emerging Trends in Electrical and Computer Technology* (pp. 831-836). IEEE.
4. Malik, J., Girdhar, D., Dahiya, R. and Sainarayanan, G., 2014. Reference threshold calculation for biometric authentication. *IJ Image, Graphics and Signal Processing*, 2, pp.46-53.
5. Balakrishnan, G.N.R.Y.S., Sainarayanan, G., Nagarajan, R. and Yaacob, S., 2006. A stereo image processing system for visually impaired. *International journal of signal processing*, 2(3), pp.136-145.
6. Malik, J., Dahiya, R. and Sainarayanan, G., 2011. Harris operator corner detection using sliding window method. *International Journal of Computer Applications*, 22(1), pp.28-37.
7. Wong, K.Y.E., Chekima, A., Dargham, J.A. and Sainarayanan, G., 2008, December. Palmprint identification using Sobel operator. In *2008 10th International Conference on Control, Automation, Robotics and Vision* (pp. 1338-1341). IEEE.
8. Srinivasan, K., Porkumaran, K. and Sainarayanan, G., 2009, August. Improved background subtraction techniques for security in video applications. In *2009 3rd International Conference on Anti-counterfeiting, Security, and Identification in Communication* (pp. 114-117). IEEE.
9. Nagarajan, R., Yaacob, S. and Sainarayanan, G., 2003, October. Role of object identification in sonification system for visually impaired. In *TENCON 2003. Conference on Convergent Technologies for Asia-Pacific Region* (Vol. 2, pp. 735-739). IEEE.
10. Malik, J., Girdhar, D., Dahiya, R. and Sainarayanan, G., 2015. Accuracy improvement in palmprint authentication system. *International Journal of Image, Graphics and Signal Processing*, 7(4), p.51.
11. Wong, K.Y.E., Sainarayanan, G. and Chekima, A., 2007, November. Palmprint identification using wavelet energy. In *2007 International Conference on Intelligent and Advanced Systems* (pp. 714-719). IEEE.
12. WONG, K.Y.E., Sainarayanan, G. and Chekima, A., 2009. Palmprint Based Biometric System: A Comparative Study on Discrete Cosine Transform Energy, Wavelet Transform Energy and SobelCode Methods (< Special Issue> BIOMETRICS AND ITS APPLICATIONS). *International Journal of Biomedical Soft Computing and Human Sciences: the official journal of the Biomedical Fuzzy Systems Association*, 14(1), pp.11-19.
13. Malik, J., Girdhar, D., Dahiya, R. and Sainarayanan, G., 2014. Multifactor Authentication Using a QR Code and a One-Time Password. *JIPS*, 10(3), p.483.

14. Nagarajan, R., Sainarayanan, G., Yacoob, S. and Porle, R.R., 2004, November. An improved object identification for NAVI. In *2004 IEEE Region 10 Conference TENCN 2004*. (pp. 455-458). IEEE.
15. Thiyagarajan, R., Arulselvi, S. and Sainarayanan, G., 2010. Gabor feature based classification using statistical models for face recognition. *Procedia Computer Science*, 2, pp.83-93.
16. Anbananthan, S.K., Sainarayanan, G., Chekima, A. and Teo, J., 2006, April. Data mining using pruned artificial neural network tree (ANNT). In *2006 2nd International Conference on Information & Communication Technologies* (Vol. 1, pp. 1350-1356). IEEE.
17. Srinivasan, K., Porkumaran, K. and Sainarayanan, G., 2014. Background subtraction techniques for human body segmentation in indoor video surveillance.
18. Balakrishnan, G., Sainarayanan, G., Nagarajan, R. and Yaacob, S., 2004, December. Stereopsis method for visually impaired to identify obstacles based on distance. In *Third International Conference on Image and Graphics (ICIG'04)* (pp. 580-583). IEEE.
19. Malik, J., Sainarayanan, G. and Dahiya, R., 2012. Personal authentication using palmprint with Sobel code, Canny edge and phase congruency feature extraction method. *ICTACT Journal on Image and Video Processing*, 2(3), pp.357-368.
20. Malik, J., Dahiya, R., Girdhar, D. and Sainarayanan, G., 2016. Finger knuckle print authentication using Canny edge detection method. *International Journal of Signal and Imaging Systems Engineering*, 9(6), pp.333-341.
21. Malik, J., Dahiya, R. and Sainarayanan, G., 2011. Personal authentication using palmprint with phase congruency feature extraction method. *International Journal of Signal Processing, Image Processing and Pattern Recognition*, 4(3), pp.1-16.
22. Balakrishnan, G., Sainarayanan, G., Nagarajan, R. and Yaacob, S., 2005, November. Fuzzy matching scheme for stereo vision based electronic travel aid. In *TENCN 2005-2005 IEEE Region 10 Conference* (pp. 1-4). IEEE.
23. Nagarajan, R., Yaacob, S. and Sainarayanan, G., 2002, June. Fuzzy clustering in vision recognition applied in NAVI. In *2002 Annual Meeting of the North American Fuzzy Information Processing Society Proceedings. NAFIPS-FLINT 2002 (Cat. No. 02TH8622)* (pp. 261-266). IEEE.
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26. Chan, S. and Sainarayanan, G., 2006. Fuzzy-based boundary enhancement for echocardiogram using local image characteristics. *Malaysian Journal of Computer Science*, 19(2), pp.151-158.
27. Srinivasan, K., Porkumaran, K. and Sainarayanan, G., 2011. Skin colour segmentation based 2d and 3d human pose modelling using discrete wavelet transform. *Pattern Recognition and Image Analysis*, 21(4), pp.740-753.

