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RESEARCH ARTICLE

Iris Recognition using Wavelet Transformation Techniques

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Abstract-In this paper, we propose the novel techniques that we have developed to create Iris Recognition. With the help of a fusion mechanism that amalgamates both, a Canny Edge Detection scheme and a Circular Hough Transform, which is used to detect the iris' boundaries in the eye's digital image. For extracting the deterministic patterns in a person's iris in the form of a feature vector we have applied the wavelet transformation technique. By comparing the quantized vectors using the Hamming Distance operator, we determine whether two irises are similar.

Full Text: <http://www.ijcsmc.com/docs/papers/January2014/V3I1201415.pdf>