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Iris Recognition based on Optimized Orthogonal Wavelet and Local Tetra Pattern (OOWLTrP) using Neural Network Nuzhat F. Shaikh* Professor and Head, Department of Computer Engineering, M. E. S. College of Engineering, Pune, Maharashtra, India.

Feature matching is a most important step of the iris recognition algorithm, directly determining the success or failure of iris recognition. In order to have a better performance in the iris recognition, a method of iris recognition based on local gray minimum values is proposed. This method firstly records the position of local gray minimum points in the iris region; the minimum ...

Iris recognition based on a novel variation of local ...

We first summarized two techniques for iris recognition, namely Gabor wavelet-based iris encoding and the use of correlation filters. Although these methods work well for well-acquired iris images, the recognition rates degrade in more realistic acquisition conditions where the image appearance is affected by factors such as gaze angle, specular reflections, occlusions, and deformations.

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Abstract. This paper proposes a secondary iris recognition based on local features. The application of the energy-orientation feature (EOF) by two-dimensional Gabor filter to the extraction of the iris goes before the first recognition by the threshold of similarity, which sets the whole iris database into two categories—a correctly recognized class and a class to be recognized.

patterns (LEPs) for iris recognition. Chang et al. [9] employed empirical mode decomposition (EMD) as a low-pass filter for iris recognition. Ma et al. proposed a novel method to characterize the iris image based on local intensity variation analysis, and adopted Gaussian-Hermite moments and a dyadic wavelet for iris recognition [10,11].

Abstract. The authenticity and reliability of iris-based biometric identification systems for large populations are well-known. "Iris recognition" aims to identify persons using the visible intricate structure of minute characteristics such as furrows, freckles, crypts, and coronas that exist on a thin circular diaphragm lying between the cornea and the lens, called the "iris".

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Iris recognition based on a novel variation of local ...

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Combination of multiple information extracted from different biometric modalities in multimodal biometric recognition system aims to solve the different drawbacks encountered in a unimodal biometric system. Fusion of many biometrics has proposed such as face, fingerprint, iris...etc. Recently, electrocardiograms (ECG) have been used as a new biometric technology in unimodal and multimodal ...

Multimodal biometric system for ECG, ear and iris ...

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