A new multi-parametric approach for human identification

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The most important parameter in the evaluation of biometric identification techniques multimodal, calculate the percentage of the equal error rate (EER) is. It is therefore trying percent error rate equal to the lowest level possible, ie close to zero. Initially, a single-parameter models of biometric algorithms applied to examine the strengths it has been extracted. Then calculate the error rate of unimodal fingerprint, iris, face and palms are conducted. Multimodal fingerprints and iris fusion by assessing fusion face and palm biometric us to develop a multi-modal diagnosis leads. Most importantly, when identifying factors such as the two-dimensional effect of the ear are discussed, the most important point that appears without the need for the person's identity to be involved or collaborated. To achieve an efficient system, one can first be identified through the effect of the two-dimensional ear of the person, and then secondary elements are used to authenticate, such as the combination of Finish and face, or other methods. Use of such a system is recommended in a sensitive security environment.

Keywords : Evaluation, algorithms, data base, error rates, identification, unimodal biometric, multi-modal biometric, ear.