

Human Biometric Traits: A Systematic Review Focusing on Vascular Patterns

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ABSTRACT

Authentication methods based on human traits, including fingerprint, face, iris, and palm print, have developed significantly, and currently they are mature enough to be reliably considered for human identification purposes. Recently, as a new research area, a few methods based on non-facial skin features such as vein patterns have been developed. This literature review paper explores some key biometric systems such as face recognition, iris recognition, fingerprint, and palm print, and discusses their respective advantages and disadvantages; then by providing comprehensive analysis of these traits, and their applications, vein-pattern recognition is reviewed.

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