

Biometric Systems and Their Applications

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Abstract: *In the current climate, there is a growing concern about the security of various sectors and the computer technologies that need to be implemented to combat this trend. This includes access control to computers and e-commerce, as well as banking. There are two primary methods of identifying an individual: knowledge-based and token-based. Knowledge-based methods rely on the user's information, such as their mobile phone PIN code, to activate a device. Token-based methods, on the other hand, rely on the possession of a token, such as a key or badge. These two methods can be used in combination to increase security, such as in bank cards, but both have their drawbacks. In the former case, the password may be forgotten or guessed, while in the latter case, the badge or key may be stolen or lost. Biometric features offer an alternative solution to these two identification modes. The advantages of biometric features are their universal, measurable, distinct, and permanent nature. The interest in biometric applications can be divided into two categories: facilitating the way of life.*

Keywords: object detection, biometry, recognition, security

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