



Recent Advances in Behavioural and Cognitive Biometric Recognition

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Message from the Guest Editor

Biometric recognition has been traditionally described as the exploitation of people's physical or behavioural characteristics for the design of automatic systems able to identify or authenticate a subject. Even though most commercially-deployed biometric recognition systems rely on physical traits such as fingerprints, the face, and iris, behavioural identifiers offer several advantages which are extremely important for specific applications. For instance, the way people walk and perform gestures can be used to recognise people while keeping sensors at a distance from the interested subjects. The way individuals interact with tools of daily use such as a mouse, a keyboard, or a mobile device could be also employed to discriminate between subjects, without requiring the usage of dedicated hardware. Furthermore, continuous authentication can be achieved through behavioural traits, providing assurance of an individual's identity over time.

The aim of this Special Issue is to present and highlight novel algorithms, architectures, techniques, feature extraction methods, and applications of behavioural and cognitive characteristics for biometric recognition.





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Message from the Editor-in-Chief

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