Face Recognition Using Machine Learning

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Message from the Guest Editors

Biometric systems aim to measure and analyse the unique physical or behavioral traits or characteristics of an individual. The main idea of a biometric system is the use of human structures reflecting distinctive characteristics. The human face is one of the main biometric traits which has found many real-world applications including military, finance, public security, law enforcement, health, education, marketing, entertainment, and human–computer interaction. The human face conveys information about a human's identity, gender, age, race and emotions. One of the main challenges of the face recognition problem in the adoption environments is that the information involved is usually complex and variable in practice. This is because of head pose, age, illumination, appearance change (due to make-up, using accessories (e.g., glasses, scarves), or facial hair), as well as similarity among individuals (e.g., relatives, twins).The purpose of this Special Issue is to gather papers that define the advancement of face recognition using machine learning and their services and challenges.

Special Issue

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Message from the Editor-in-Chief

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