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Advances in Sensor-Based Biometric Recognition

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editors

Biometric recognition based on physical attributes, e.g., fingerprints, facial images, iris, gait, palm prints, and voice, is a fundamental task in computer vision and pattern recognition. Recently, significant progress has been made to boost the accuracy of biometric recognition due to the fast development of biometric sensors, e.g., optical, capacitive, ultrasonic, thermal, and pressure sensors. This Special Issue aims to solicit original research from both industry and academia on recent advances, solutions, applications, and new challenges in the field of sensor-based biometric recognition. The topics of interest include (but are not limited to) the following areas:

- Challenges in sensor-based biometric recognition
- Robust capturing systems for biometric recognition
- Multi-sensor feature fusion for biometric recognition
- Novel benchmarks for biometric recognition
- Generalizable capturing system for sensor-based biometric recognition
- Multi-modal biometric recognition
- Sensors in mobile devices for biometric recognition
- Non-contact sensor-based biometric recognition
- Surveys/reviews for sensor-based biometric recognition



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Special Issue



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Message from the Editor-in-Chief

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