



sensors



an Open Access Journal by MDPI

Advances in Sensor-Based Biometric Recognition

Guest Editors:

Dr. Yichao Yan

AI Institute, Shanghai Jiao Tong University, Shanghai 200240, China

Prof. Dr. Jie Qin

College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China

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



mdpi.com/si/124831

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)