

Special Issue

Artificial Intelligence and Sensor-Based Gait Recognition

Message from the Guest Editor

This Special Issue aims to provide a comprehensive platform for researchers to present their latest findings and innovations in the field of artificial intelligence and sensor usage for gait recognition. We invite original research papers that address a spectrum of challenges, including sensor design, data collection, feature extraction, and the development of novel AI algorithms capable of analyzing and interpreting complex gait data. The sensors include both wearable and non-wearable sensors. Feature extraction, pertaining to the nonlinear analysis of gait dynamics and the association of machine learning algorithms for gait recognition, can be performed. Submissions are encouraged to demonstrate significant advances in the accuracy, efficiency, and robustness of gait recognition systems. Papers that present new datasets, innovative applications, or insightful reviews of current challenges and future directions in this domain are also welcome.

Guest Editor

Dr. Rahul Soangra

Fowler School of Engineering, Chapman University, Orange, CA 92866, USA

Deadline for manuscript submissions

closed (15 August 2025)



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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

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

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