# **Special Issue**

## Deep Learning Applications for Pose Estimation and Human Action Recognition—2nd Edition

### Message from the Guest Editors

This Special Issue aims to gather a significant collection of original contributions to these topics. Accurate vehicle and human pose estimation is crucial for several applications, e.g., animal behavior research, gaming and virtual reality, medicine and biotechnology, pedestrian, aerial and maritime navigation, robotics, and human motion tracking. Furthermore, effective human pose and action recognition offers an important contribution in many fields, such as physical therapists' diagnoses and patient rehabilitation, as well as security and surveillance or employee-free store development. The relevant topics of this issue include, but are not limited to, the following:

- Single and multihuman pose estimation, action recognition, and tracking;
- Terrestrial, maritime, aerial robot pose estimation, and tracking;
- Literature reviews and surveys;
- Datasets and sensors:
- Interesting applications and ideas focusing on surveillance, autonomous navigation, human-robot interaction, healthcare, and sports, etc.

### **Guest Editors**

Dr. Paolo Russo

Department of Computer, Control and Management Engineering, Sapienza University of Rome, Via Ariosto 25, 00185 Rome, Italy

Dr. Fabiana Di Ciaccio

Department of Civil and Environmental Engineering, University of Florence, Via S. Marta 3, 50139 Florence, Italy

### Deadline for manuscript submissions

10 September 2026



## Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/222283

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

mdpi.com/journal/ sensors





## **Sensors**

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



## **About the Journal**

## 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

## **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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

