Special Issue

Multi-Sensor Fusion for Target Detection and Tracking

Message from the Guest Editors

With continuous applications in the civilian and military domains, object detection and tracking is drawing increasing attention. Visible light cameras are one of the most popular imaging sensors. Existing detection and tracking algorithms deal well with single-modal (visible) observation data and fail in dark or foggy scenarios. To address the above issue, Sensor fusion is indicated as an open research issue as well to achieve better detection and tracking results in comparison to a single sensor. In this special issue, multi-modal sensor data (i.e., visible, thermal, time, location, altitude, IMU) are collected in real-world outdoor environments. We believe the multi-modal sensor data can boost object detection and tracking performance. The expected outcomes of this special issue are of great theoretical and practical value for improving the environmental perception ability of robots or drones under complex scenarios. For more information, please click: mdpi.com/si/131249

Guest Editors

Dr. Dongdong Li

Prof. Dr. Dong Wang

Prof. Dr. Yan Zhang

Dr. Yangliu Kuai

Deadline for manuscript submissions

closed (31 October 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/131249

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

mdpi.com/journal/sensors

MDPI

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)