Special Issue

Trajectory Precise Perception of Traffic Targets and Its Applications

Message from the Guest Editors

This Special Issue will focus on key theoretical and methodological breakthroughs, including trajectory extraction under occlusion conditions, high-quality perception through multi-sensor fusion, extracting accurate trajectories to identify critical traffic state variables, and predicting and evaluating traffic performance. These developments will provide essential guidance for advancing smart road infrastructure, proactive traffic management strategies, and policy formulation, ultimately contributing to safer, more efficient, and sustainable transportation systems.

Guest Editors

Prof. Dr. Nengchao Lyu

Dr. Ronghui Zhang

Dr. Li Song

Dr. Hongliang Wan

Deadline for manuscript submissions

31 August 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/239069

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)