Special Issue

AI-Based Vehicular Network toward 6G: Machine Learning and Sensors Approaches

Message from the Guest Editor

In recent years, vehicular networks have become more and more heterogeneous, complex, and dynamic, making it difficult to satisfy communication requirements of next-generation (6G) applications, including ultralow latency, high throughput, high reliability, and high security. Current vehicular networks are calling for new technological innovations in the field.

In this context, machine learning (ML), in particular deep learning (DL), has emerged as a powerful approach to optimize the efficiency and adaptability of vehicle and wireless communication. However, how to adapt vehicular networks (and their respective communication protocols) to exploit machine learning approaches represents an open research question. Additionally, whether data handling has to be done on board (centralized processing), or delegated to more powerful external nodes (distributed processing), remains unknown.

This Special Issue encourages authors from academia and industry to submit new research results about novel machine learning approaches to enable AI-based vehicular networks toward 6G.

Guest Editor

Dr. Marco Giordani
Department of Information Engineering, University of Padova, 35131 Padova PD, Italy

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/106061

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)