Special Issue

Secure Integration of Artificial Intelligence (AI) and Autonomous Vehicular Networks

Message from the Guest Editors

The application of artificial intelligence (AI) technologies can provide significant benefits for automating sensing, computing, and communication tasks in autonomous vehicular networks. This Special Issue specifically focuses on the latest advances, challenges, and approaches to the secure integration of AI and autonomous vehicular networks. We encourage original and high-quality contributions that address both the theoretical and practical aspects of the above challenges. Topics of interest include, but are not limited to: Deep learning and reinforcement learning for autonomous vehicular networks;
Edge learning and distributed machine learning for autonomous vehicular networks;
Privacy-preserving federated learning for AI-enabled autonomous vehicular networks;
New network architecture for AI-enabled autonomous vehicular networks;
Sensing data falsification and countermeasures for AI-enabled autonomous vehicular networks;
Cyber physical system security for AI-enabled autonomous vehicular networks;
Intrusion detection and incident response for AI-enabled autonomous vehicular networks;
Data security and privacy preservation for AI-enabled autonomous vehicular networks;

Guest Editors

Prof. Dr. Zhiquan Liu

Dr. Zuobin Ying

Dr. Jingjing Guo

Deadline for manuscript submissions

31 January 2026

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/186987

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI