

Special Issue

Emerging Communication, Computing and Control Technologies for Internet of Vehicles

Message from the Guest Editors

The purpose of this Special Issue is to present emerging communication, computing and control technologies for IoV. The editorial board invites academic researchers and industrial experts to submit insightful and revolutionary contributions in the form of research and review articles focusing on, but not limited to, the following potential topics:

- IoV architecture and system design;
- IoV applications and smart transportations;
- Communication technologies and protocols for IoV;
- Resource optimization/scheduling and QoS guarantee for IoV;
- Cloud/edge/fog computing enabled IoV;
- Machine learning, deep learning and federated learning for IoV;
- IoV-based intelligent traffic signal control;
- IoV-based traffic management and congestion control;
- Autonomous driving techniques for IoV;
- Data-driven intelligent transportation systems (ITS);
- Signal sensing, processing, transmission techniques for IoV;
- Intelligent control techniques;
- Computer vision and pattern recognition for IoV;
- Camera/Radar/Lidar-based tracking and detection systems.

Guest Editors

Prof. Dr. Changyan Yi

Prof. Dr. Jun Cai

Prof. Dr. Xiaolong Li

Deadline for manuscript submissions

closed (20 August 2023)



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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

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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).