

Special Issue

Intelligent Traffic Control and Optimization

Message from the Guest Editors

The aim of this Special Issue is to welcome original research and surveys with a focus on intelligent traffic control and optimization theories and applications, based on advanced technologies. It also aims to promote the exchanges and interactions between investigators across different fields. We invite high quality, original research articles, as well as review articles. Potential topics include, but are not limited to, the following:

- Transport infrastructure layout and design for IOT applications;
- Transportation cyber-physical systems modeling;
- Traffic information detection and fusion based on vehicle-to-infrastructure sensing;
- Intelligent traffic signal control and cooperative intersections;
- Advanced control technology for connected and automated vehicles (CV/AVs);
- Cooperative control of signal intersections and CV/AVs with V2X communications;
- Traffic flow optimization in the mix of human-driven vehicles (HDVs) and CV/AVs;
- Integration and cooperative optimization of multimodal transportation systems;
- Traffic system simulation under V2X communication environment.

Welcome to [contribute!](#)

Guest Editors

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Deadline for manuscript submissions

closed (31 December 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 guest-edited 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).