

Special Issue

Development and Advances in Autonomous Driving Technology

Message from the Guest Editors

In recent years, automatic driving has developed rapidly and has gradually realized its industrial application potential. With the expansion of application scenarios and the increase in application scale, the challenges faced by automatic driving in complex scenarios also become prominent.

This Special Issue will publish the papers that reflect research and innovation in the area of autonomous driving in complex scenarios, which include, but are not limited to, the following main topics:

- vehicle-vehicle/vehicle-road collaborative perception
- vehicle-vehicle/vehicle-road collaborative decision and control
- intelligent perception and control methods in complex environments
- high precision mapping and positioning in complex environments
- acceleration tests and simulations for automatic driving
- end-to-end autonomous driving

Guest Editors

Dr. Zhangyu Wang

Dr. Peng Chen

Dr. Bin Zhou

Deadline for manuscript submissions

15 October 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/216486

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://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 guest-edited 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), CAPus /
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).