

Special Issue

Autonomous Vehicles Technology

Message from the Guest Editors

As years go by, self-driving continue to receive high levels of attention, both from academia and industry, not only in terms of components and sensors (e.g. cameras, laser scanners, radars, GPS, etc.), but also in terms of algorithms that use these data to further fine-tune their inferences and predictions. All this with special attention paid to artificial intelligence and big data, present in the vast majority of works. With this Special Issue we propose to cover the different technologies involved in the area of autonomous vehicles, in order to identify where we stand in terms of complete vehicle autonomy and what the years to come will bring. Thus, the topics of interest include, but are not limited to:

- Advanced driver assistance systems (ADASs)
- Artificial and computational intelligence
- Driver behavior
- Environment perception
- Full and partial automatization
- Sensor fusion techniques
- Simulation techniques for autonomous driving
- Special applications of autonomous vehicles
- State-of-the-art sensors applied to autonomous driving
- Traffic and flow optimization techniques
- Vehicles and infrastructure cooperation

Guest Editors

Prof. Dr. Jose Eugenio Naranjo

Dr. Edgar Talavera Muñoz

Dr. Alberto Díaz-Álvarez

Prof. Dr. Cristina Olaverri-Monreal

Deadline for manuscript submissions

closed (31 December 2020)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/25941

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 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).