



Emerging Technologies in Autonomous Vehicles

Guest Editors:

Dr. George Dimitrakopoulos

Department of Informatics and
Telematics, Harokopio University
of Athens, 17676 Kallithea,
Greece

Dr. Morten Larsen

AnyWi Technologies BV, 2311 NR
Leiden, The Netherlands

Deadline for manuscript
submissions:

closed (15 March 2024)

Message from the Guest Editors

Dear Colleagues,

The concept of creating machines (systems) that can work autonomously dates back to classical times. Today, autonomous systems are a rapidly growing branch of engineering. In the particular area of transport, Autonomous Transport Systems (ATS).

Automation in this area has the potential to make land, air, and marine operations safer, faster, more efficient, and greener, contributing to both the adapted Vision Zero, including work-related deaths as a new central element, and to the European Green Deal initiative.

The goal of this Special Issue is to present key findings and challenges related to ECS and architectures for future mass-market ATS. Key technical topics can include (but are not limited to):

- Fusion and perception of digital platforms for efficient and federated computing;
- Efficient propulsion and energy modules;
- Advanced connectivity for cooperative mobility applications;
- Vehicle/edge/cloud computing integration concepts;
- Intelligent components based on trustworthy AI techniques and methods;
- Perception enhanced with Operational Design Domains (ODD) attributes





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)