

Special Issue

Emerging Technologies in Autonomous Vehicles

Message from the Guest Editors

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

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2024)



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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.

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