

Special Issue

Automated Vehicles Safety System

Message from the Guest Editors

The safety of automated vehicles is a critical aspect that is necessary for a smooth transition to autonomous transportation systems that can be embraced by authorities, legislators, and society. This Special Issue seeks to explore the latest advancements in the safety systems of automated vehicles, with a focus on enhancing their reliability, efficiency, and security in real-world driving environments. This Special Issue will highlight cutting-edge research, technologies, and approaches that contribute to making autonomous vehicles safer for both passengers and pedestrians. Research topics of interest include, but are not limited to, the following:

- Sensor and perception systems
- Vehicle-to-Everything (V2X) communication
- Safety protocols for decision-making algorithms
- Artificial intelligence in risk assessments
- Human factors in autonomous driving
- Cybersecurity in autonomous vehicles
- Validation and testing methods

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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