

Special Issue

Progress and Challenges of Autonomous Vehicles

Message from the Guest Editor

The aim of this Special Issue is to gather research results that will help to make full self-driving accessible and achievable, whether on the ground or in the air. All research areas of interest to us are those that are closer to being able to safely and reliably solve all traffic situations through vehicle decision-making, thus contributing to social acceptance and making transport safer. We need to use science to show the benefits of using self-driving vehicles, in addition to safer driving, faster and better decision-making, and reduced accident rates. Topics of interest for submission include, but are not limited to, the following: Challenges of self-driving;

Artificial intelligence research in self-driving;

Decision-making in self-driving;

Safety issues in self-driving;

Protection against hacking in self-driving;

Vehicle communication;

Smart city self-driving relationship

Smart roads in self-driving

Challenges of traffic situations in self-driving

Human factor in self-driving

Impact of pedestrians, cyclists, motorcyclists on self-driving

Challenges of aircraft in self-driving.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2025)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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