

Special Issue

Autonomous Vehicles for Public Transportation Services

Message from the Guest Editor

Autonomous vehicles for public transportation will be deployed to their full potential, where they will operate in a highly personalized mode, but with the price and service of good old public transportation models, offering on-demand, door-to-door shared public transportation services. However, passengers who are familiar with today's public transportations have high service expectations, ranging from predictable timing of commuting to simplicity in ticketing and boarding, and from services for special needs passengers to safety onboard. We thus need to develop not just vehicles, but also a complete ecosystem of passenger and public transport operator services that improves the passenger experience. The target of this Special Issue is to identify what the technologies and services are that can make autonomous vehicles the prime choice for public transportation services in urban and suburban environments. The topics for this call include but are not limited to:

Technology issues (state of AI, state of AV driver, and road behavior);

Services and requirements;

Autonomous vehicles' IT security;

Safety of AVs;

Integration in urban public transport.

Guest Editor

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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.

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