

Special Issue

Application of Mobile Systems in Smart Vehicles and Smart Roads

Message from the Guest Editor

The way of conceiving mobility and transport systems is undergoing a substantial change, mainly due to the development of technology and mobile communication protocols. Mobile systems are increasingly used for smart vehicles and smart roads solutions. In this context, a very challenging task for researchers is implementing mobile technologies which allow the collection, sharing and analysis of information about vehicles, road infrastructures and drivers. To address this important objective, an interdisciplinary approach is needed, especially considering the new advancements in transportation technologies such as V2V, V2I and V2X communications. The motivation behind this Special Issue is the sharing of concepts, approaches, and techniques useful for implementing smart vehicles and smart roads through the employment of mobile systems. We encourage original submissions of high quality and innovative researches providing significant contributions in the theory and practice of mobile systems application for smart transportation systems.

Keywords:

- Smart roads
- Connected and autonomous vehicles (CAVs)
- Floating Car Data (FCD)
- Mobile devices
- V2X communication

Guest Editor

Dr. Giuseppe Guido

Department of Civil Engineering, University of Calabria, Via Bucci,
87036 Rende, Italy

Deadline for manuscript submissions

closed (20 June 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/40389

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)