



## Advances in Vehicle Dynamics and Road Safety: Technologies, Simulations and Applications

Guest Editors:

**Prof. Dr. Edgar Sokolovskij**

Department of Automobile Engineering, Faculty of Transport Engineering, Vilnius Gediminas Technical University (VILNIUS TECH), LT-10223 Vilnius, Lithuania

**Dr. Vidas Žiraulis**

Department of Automobile Engineering, Faculty of Transport Engineering, Vilnius Gediminas Technical University (VILNIUS TECH), LT-10223 Vilnius, Lithuania

Deadline for manuscript submissions:

**closed (20 October 2023)**

### Message from the Guest Editors

This Special Issue will focus on the latest advances, new technologies and their application in fields, related with vehicle dynamics and safety, road safety, accident analysis, simulation and reconstruction. Potential topics include, but are not limited to:

- vehicle dynamics and their operational characteristics;
- road safety: technologies, simulations and applications;
- road accidents analysis, modelling and reconstruction;
- active, passive and integral vehicle safety;
- traffic flow planning and optimisation;
- technical solutions for traffic organisation and problems of their application;
- road user behaviour and human factor influence on road safety;
- transportation of dangerous goods;
- connected and autonomous vehicles;
- alternative solutions in road safety research.





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)