

## Special Issue

# Brake and Suspension Systems for New Generation Vehicles

### Message from the Guest Editors

In recent years, driven by environmental issues and new mobility trends, we have been able to follow exciting progress in the research area of future vehicle models. New, disruptive, light electric vehicle concepts and technologies have been developed. Moreover, the increasing use of alternative new methodologies like machine learning and the use of big data within vehicle chassis control are promising developments to consider when addressing significant research topics. Prominent examples include sustainable individual mobility regarding passenger ride comfort, efficiency and emissions, and novel chassis applications for autonomous driving. For this Special Issue of *Vehicles* entitled “Brake and suspension systems for new generation vehicles”, we are seeking original contributions within this research area. Topics include but are not limited to new brake and suspension topologies and concepts, developments to increase ride comfort and efficiency and reduce emissions, and the application of modern methods in vehicle chassis design and applications. Dr. Ibai Ulacia

---

### Guest Editors

Dr. Ibai Ulacia Garmendia

Structural Mechanics and Design Research Group (DMELab),  
Mondragon University, 20500 Arrasate, Spain

Dr. Mikel Izquierdo

Structural Mechanics and Design Research Group, Mondragon  
University, 20500 Arrasate, Spain

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Vehicles

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/65939](https://mdpi.com/si/65939)

*Vehicles*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[vehicles@mdpi.com](mailto:vehicles@mdpi.com)

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





# Vehicles

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Mohammed Chadli  
Department UFR Sciences and Technologies, Université Paris-Saclay,  
91020 Evry, France

---

#### Author Benefits

##### High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei  
Compendex, and other databases.

##### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2  
(Automotive Engineering)

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 22.1 days after  
submission; acceptance to publication is undertaken in 3.6  
days (median values for papers published in this journal in  
the first half of 2025).