

## Special Issue

# AI-Empowered Assisted and Autonomous Driving

### Message from the Guest Editors

The fast-paced development of AI technologies provides significant opportunities for vehicle intelligence. AI-empowered assisted and autonomous driving technologies are the latest developments in transportation. These advancements can redefine the mobility, safety, and efficiency of the transportation system. Assisted driving, also known as semi-autonomous driving, leverages AI to enhance driver capabilities and vehicle performance. AI systems in these vehicles function as co-pilots, providing real-time assistance to the driver through Advanced Driver-Assistance Systems (ADASs). Autonomous driving takes the concept of AI in vehicles to the next level. Fully autonomous vehicles, also known as self-driving vehicles, operate without the need for human intervention.

At the brink of this technological revolution, AI-empowered assisted and autonomous driving will transform our transportation networks. The marriage of AI and automotive technology is not only about convenience but about creating a safer, more efficient, and more inclusive mobility ecosystem for the future.

---

### Guest Editors

Dr. Xubin Sun

School of Automation and Intelligence, Beijing Jiaotong University, Beijing 100044, China

Dr. Weifeng Zhong

School of Automation and Intelligence, Beijing Jiaotong University, Beijing 100044, China

---

### Deadline for manuscript submissions

20 October 2026



## Vehicles

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.5



[mdpi.com/si/227601](https://mdpi.com/si/227601)

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

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





# Vehicles

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

In response to economic, political, and environmental pressures, the automotive vehicle community is expanding its research, development, and production of more energysaving, environmentally friendly, and safer ground vehicles through vehicle electrification, powertrain hybridization, high-efficiency drivetrain, autonomous or automated driving, vehicle connectivity, and infrastructure.

*Vehicles* is a new open access and peer-reviewed international journal that will facilitate rapid publication of scholarly articles on studies related to ground vehicles. Its mission is to publish cutting edge articles, conference proceedings, and to organize Special Issues which highlight outstanding research on specific topics regarding all landbased vehicles with regards to the design, modeling and simulation, manufacture, testing, and operation and modification of those vehicles and their engineering systems.

---

### Editor-in-Chief

Prof. Dr. Mohammed Chadli

Department UFR Sciences and Technologies, Université Evry 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 - Q1 (Automotive Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the second half of 2025).