

## Special Issue

# Research and Estimation of Traffic Flow Characteristics

### Message from the Guest Editors

We are faced with complex and difficult issues in terms of the changing picture of traffic in contemporary transport networks. The introduction of autonomous vehicles will also occur in the near future, in this context, the research on and estimation of traffic flow characteristics contribute significant new knowledge, thus improving traffic safety, efficiency, organization, and control.

The introduction of fifth/sixth-generation mobile networks in combination with C-ITS could change traffic characteristics in a way never seen before. Hence, traffic flow research can help people to make the best decisions in the fields of organization, management, and control of traffic. We also pay attention to new technologies, including IoT, big data, blockchain, machine learning, and artificial intelligence. We do not limit the topic to road traffic; rather, we are also interested in examining traffic characteristics in the fields of rail, air, and sea traffic.

---

### Guest Editors

Dr. Ireneusz Celinski

Dr. Renata Żochowska

Dr. Grzegorz Karoń

---

### Deadline for manuscript submissions

20 August 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/209156](https://mdpi.com/si/209156)

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

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

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





# 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 )