Special Issue

Intelligent Transportation System Technologies and Applications, 2nd Edition

Message from the Guest Editors

Intelligent transportation systems (ITSs) constitute a fertile research area to manage urban traffic in smart cities and improve transportation efficiency, environmental care, and safety. As science harnesses the technological progress in the ITS domain, paradigm shifts are anticipated. This Special Issue aims to study the various advanced technologies and applications of intelligent transport systems and highlight their contributions in terms of reducing traffic congestion in cities, improving the safety of vulnerable road users, reducing pollution, increasing the attractiveness of cities and thus supporting the economy of cities. Topics of interest include (but are not limited to) the following:

- Traffic signal management;
- Autonomous intersection management;
- Explainable AI and intelligent transportation;
- Navigation in smart cities;
- Cloud services for smart mobility;
- Control and management of electric and hybrid vehicles;
- Multi-agent systems;
- Combinatorial optimization;
- Meta-heuristics;
- Reinforcement learning;
- Deep learning;
- Petri nets modelling and control;
- Connected vehicles;
- Cooperative driving;
- Computer vision and smart transportation systems.

Guest Editors

Dr. Mahjoub Dridi

Dr. Yazan Mualla

Prof. Dr. Abdeljalil Abbas-Turki

Deadline for manuscript submissions

25 March 2026

Applied Sciences

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)

MDPI