Special Issue

Advancements in Intelligent Transportation Systems and Traffic Analysis: 2nd Edition

Message from the Guest Editor

The field of intelligent transportation systems and traffic analysis has made remarkable progress in recent years and these advances have attracted attention on a global scale. As one of the main bodies of the intelligent transportation system, the development of intelligent vehicles is also progressing. Pure visual perception and vehicle-road collaborative autonomous driving has gradually enhanced the function of current vehicles. From an industry perspective, these advances demonstrate the huge potential of intelligent transportation systems and traffic analysis, and how they can play a key role in improving traffic efficiency, safety and environmental friendliness. This Special Issue seeks to propose innovative control and analysis methods based on the new generation of intelligent transportation systems, as well as articles focusing on the latest advances in urban transportation planning, data mining and vehicle engineering, that address the most relevant challenges facing current and future intelligent transportation systems.

Keyword: Internet of Vehicles; ITS; intelligent and connected vehicles; cooperative vehicle infrastructure system; traffic analysis

Guest Editor

Prof. Dr. Jian Zhang

1. School of Transportation, Southeast University, Nanjing 211189, China
2. Engineering College, Tibet University, Tibet 850000, China

Deadline for manuscript submissions

31 July 2026

MDPI

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)