

Special Issue

Advances in Intelligent Transportation Systems

Message from the Guest Editors

Intelligent transportation systems encompass a wide range of technologies aimed at improving the efficiency, safety, and sustainability of transportation. In particular, with the evolution of communication technology and innovative improvements in computation power, the data that can be collected and transmitted from ITSs are being subdivided into individual vehicle units, and as a result, it is possible to present alternatives to contemporary transportation problems that could not be solved with conventional ITSs. Therefore, the objective of this Special Issue is to discuss novel ITS alternatives to solve problems occurring in various transportation fields and new applications using big data collected from various ITS sensors. Topics of interest include, but are not limited to, the following:

- Cooperative intelligence transportation systems;
- Vehicle sensor data-based analysis;
- ITS applications of emerging technologies in traffic operation, road maintenance, road safety, and environment;
- Automated highway systems;
- Application of AI and machine learning for ITS;
- Real-time applications of ITS.

Guest Editors

Dr. Seoungbum Kim

Department of Urban Engineering, Engineering Research Institute, Gyeongsang National University, Jinju-si 52828, Republic of Korea

Dr. Joyoung Lee

Department of Civil & Environmental Engineering, New Jersey Institute of Technology, Newark, NJ 07102, USA

Deadline for manuscript submissions

closed (20 June 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/191809

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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





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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)