

Special Issue

Symmetry and Asymmetry in Intelligent Transportation Systems (ITSs)

Message from the Guest Editors

We invite researchers to submit papers for a Special Issue on 'Symmetry and Asymmetry in Intelligent Transportation Systems (ITSs)'. Symmetry and asymmetry are interesting features that widely exist in nature, in society, and of course in transportation systems. The aim of this SI is to explore how symmetry and asymmetry shape the main components of intelligent transportation in the human–vehicle–environment system. Topics of interest include but are not limit to the following:

- Symmetry and asymmetry of driving behaviors, such as the cognitive differences between left and right turns or the role of left and right hemisphere functions in driving.
- Symmetry and asymmetry of rules and control strategies in different environments, such as the impact of left vs. right steering systems in different regions.
- Symmetry and asymmetry of the role and control authority in human–machine co-driving or human–vehicle interaction, focusing on the balance of reliability and efficiency.
- Broader exploration of symmetry and asymmetry in ITSs, such as vehicle communication, traffic flow, etc.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/218386

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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