



## Applications of Artificial Intelligence to Improve Road Traffic Performance

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Deadline for manuscript submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

Dear Colleagues,

Artificial intelligence (AI) has been proved as an effective and solid tool for tackling transportation problems. Based on the massive amounts of data generated every day, there is currently a great deal of interest in developing AI algorithms, models, and techniques to improve road traffic performance, such as urban road, freeway, parking, and road infrastructure. Although traditional analytical algorithms based on probability statistics can describe the performance of the road traffic system, it is difficult to accurately predict and optimize its dynamic status under complex transport conditions. The emerging AI technologies combine analytical models with data models, and convert model-based frameworks into model-free or model-data mixed frameworks, thereby effectively improving data analysis efficiency and result accuracy.

This Special Issue will be dedicated to soliciting high-quality research to better evaluate and improve the performance of the current road transport system.





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## 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.

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