

Special Issue

Advances in Intelligent Road Design and Application

Message from the Guest Editor

The rise of intelligent transportation systems (ITSs) and autonomous vehicles is driving changes in road infrastructure design and development. Advanced technologies such as communication and artificial intelligence are applied within the transportation framework and vehicles, aiming to improve traffic efficiency, maintain road safety, diminish congestion, and curtail environmental impacts. As autonomous vehicles progress from theoretical constructs to tangible implementations, the infrastructure that supports them must adapt in tandem. This Special Issue is dedicated to exploring the forefront of artificial intelligence and intelligent transportation systems as they pertain to the challenges and prospects within road infrastructure design, aiming to cultivate smarter, more secure, and more efficient road networks. keywords:

- autonomous driving technologies
- intelligent transportation systems (ITSs)
- road infrastructure design and innovation
- infrastructure digitalization
- effective traffic management strategies
- road safety improvements
- sustainable road design practices

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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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