

Special Issue

Road Safety and Road Infrastructure Design

Message from the Guest Editors

The new EU road traffic safety policy framework is based on the Safe System Approach, which highlights a shared responsibility for all road users. The starting point is that the system should be “forgiving”, and traffic accidents should not result in death or serious injuries or be the inevitable price that people have to pay in order to meet the ever-increasing demand for mobility. The road and the immediate road environment should be designed and built in such a way that free flow speed is safe in the event of an accident. According to this, road managers and designers have a significant responsibility to provide a road system that protects all road users, which can be achieved through appropriate designs of road infrastructure.

Additionally, various studies indicate that the time for the introduction of autonomous vehicles into the existing traffic network is in the near future, which also opens up a number of issues of adaptation or complete reconstruction of the existing traffic infrastructure, which is currently completely subordinated to classic vehicles. This area represents a great challenge for road infrastructure designers.

Guest Editors

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