



Emerging Technologies for Effective and Intelligent Transport Infrastructure Monitoring

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Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editors

Nowadays, in order to contribute to surveys and make them more effective, various kinds of smart infrastructure monitoring systems are available; these are generally based on innovative sensors, systems and integrated technologies, and allow us to gather and collect all the data useful for monitoring and analyzing the real state of each infrastructure component. The use of these systems is quickly developing among managers, technicians, researchers, and road authorities, especially with the aim of continuously controlling the decay of infrastructure elements and identifying the most suitable time to activate preventive or curative maintenance actions. In addition, new technologies may also make it possible to significantly reduce traffic disruptions and risks to the public, optimizing the use of resources, minimizing operating costs and enabling the life cycle of assets to be extended.





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