

Special Issue

Emerging Technologies for Effective and Intelligent Transport Infrastructure Monitoring

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.

Guest Editors

Dr. Giuseppe Cantisani

DICEA, Department of Civil, Constructional and Environmental Engineering, Sapienza University of Rome, Via Eudossiana, 18, 00184 Rome, Italy

Dr. Giulia Del Serrone

Department of Civil, Constructional and Environmental Engineering, University of Rome La Sapienza, Via Eudossiana 18, 00184 Rome, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
infrastructures@mdpi.com

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Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

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