



Advances in Road Engineering: Innovation in Road Pavements and Materials

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Message from the Guest Editors

Given this fact, the aim of this Special Issue is to collect and spread valuable scientific contributions dealing with innovative, smart, eco-friendly road pavements addressed to the general sustainability of the road construction industry (innovative recycling techniques for saving natural resources and reducing waste disposal—performance-optimized pavement structures and materials to face new challenges about traffic increase, heavier vehicles, climate changes, etc.—advances in construction and maintenance practices and materials for durable design, etc.).

Thus, we are pleased to invite you to contribute to this Special Issue entitled “*Advances in Road Engineering: Innovation in Road Pavements and Materials*”. This Special Issue covers various subjects related to advanced technologies and materials in asphalt pavement. Research on the investigation and application of varieties of technologies is welcome. Assessments of the influence on the in-service performance, economy, environment effect, and life-cycle assessment are all invited. Literature reviews are also highly appreciated.





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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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