Special Issue

Innovation in Pavement Materials: 2nd Edition

Message from the Guest Editors

In this second edition of "Innovation in Pavement Materials" we delve deeper into the cutting-edge advancements and novel approaches reshaping the world of pavement engineering. This Special Issue is dedicated to exploring the latest innovations in materials and techniques that significantly enhance the performance, durability, and sustainability of pavement structures. Our focus encompasses a wide range of topics, including, but not limited to, the development of new and improved asphalt mixtures, the use of recycled materials in pavement construction, advancements in pavement design methodologies, and the exploration of novel materials like graphene and nano-enhanced components.

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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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