Special Issue

Research on Advanced Materials in Road Engineering

Message from the Guest Editors

Materials are among the most basic and important elements in road engineering. The quality and performance of materials are directly related to the standard of the entire road engineering industry. With the development of science and technology, new engineering materials are emerging in the field of road engineering. Additionally, the shortcomings of the original material technology of road engineering have been effectively solved, further enhancing the reliability and safety of road engineering. We invite authors to contribute original research, theoretical and experimental work, case studies, and comprehensive review papers that enhance the use of advanced technologies and application of materials in road engineering. Relevant topics to this Special Issue include, but are not limited to, the following subjects: the design and application of multifunctional material; waste material utilization; low-carbon-emission materials; long-life materials; green environmental protection material; and novel characterization of materials.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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