Special Issue

Materials and Pavement in Urban Cities

Message from the Guest Editor

The current trend development of new building materials used in pavement in urban cities requires up-to-date analyses in terms of detecting defects and damage to the pavement. The scope of the Special Issue includes results of studies on materials and pavements used by: vehicles, bicycles, public transport (buses, trams), and pedestrians. Areas of interest for this issue are:

- Testing of pavement materials for use in cities and urban areas;
- Assessment of damage to materials and pavements;
- Pavement strength capacity assessment systems;
- Modelling and numerical analyses;
- Methods and technologies of pavement reconstruction.

For more details, please click Special Issue. For scholars interested to submit papers to the Special Issue, please click "Submit to Special Issue" or contact astoria.yao@mdpi.com.

Guest Editor

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Deadline for manuscript submissions

closed (25 August 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/130149

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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.

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