



Constructions in Europe: Current Issues and Future Challenges

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submissions:

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Message from the Guest Editors

The development of civil engineering over the last century has always required the improvement of building materials and innovation in construction technologies. We aim to compile works discussing innovative building materials and technologies in relation to the impact on the environment in order to meet the ever-increasing demands in terms of performance, sustainability, durability and cost. Researchers are invited to submit high-quality papers to this Special Issue on the following topics, including but not limited to:

- Building Information Modeling,
- Building Physics and Services,
- Construction Economics, Marketing and Management,
- Construction Technology, Organization and Management,
- Environmental Engineering,
- Indoor Environment,
- Hydrotechnical Engineering,
- Innovations in Construction Design and Technology,
- Material Engineering and Recycling,
- Statics, Dynamics and Modeling,
- Structural Engineering and Bridges,
- Sustainable Architecture and Energy Efficiency,
- Sustainable Civil and Environmental Engineering,
- Sustainable Water Management,
- Transport and Geotechnical Engineering,
- Urban Engineering.



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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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