Special Issue

Performance of Structural Members with Recycled Materials

Message from the Guest Editors

It is necessary to study the performance of structural members with recycled materials in depth. Extensive research has been conducted on a continuous basis regarding recycled materials performance under short-term static loading, the behaviour under long-term sustained loads, long-term durability, and performance under disaster action. Furthermore, recent studies have begun to focus on the multiple recycling of waste materials and the application of multiple recycled materials in structural members. The aim of this Special Issue of Buildings, "Performance of Structural Members with Recycled Materials", is to provide a platform for the discussion of recent research achievements in structural members with recycled materials. For this Issue, we warmly welcome the submission of papers on a wide range of topics related to members with recycled materials, including experimental investigation, theoretical (numerical) modelling, design method (calculation) and performance improvement.

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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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