



Intelligent Solutions for the Sustainability of Bridges and Structures —Second Edition

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Message from the Guest Editors

Physical infrastructures, such as bridges, tunnels, and retaining walls, are prone to damage from disaster hazards, such as earthquakes, hurricanes, fires, impacts, and blast loadings. The failure of such infrastructures could lead to direct and indirect costs for the economy and society. Therefore, there is an urgent need to provide innovative and intelligent solutions for structural sustainability. An important theme under investigation is that of improving the structure's resistance during disasters via innovative materials, such as shape memory alloys (SMAs) and high-performance cementitious composites. Additionally, engaging intelligent solutions, such as smart health monitoring systems based on machine learning and computer vision, are also a promising approach for the maintenance of bridges and other infrastructures.

This Special Issue is gathering articles that present innovative ideas on various aspects of sustainable structures and aims to explore the future of intelligent solutions, especially in the design, construction, and maintenance of bridges and other physical infrastructures.





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Message from the Editor-in-Chief

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