

Special Issue

Intelligent Solutions for the Sustainability of Bridges and Structures

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. 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. This Special Issue is a gathering for innovative ideas on various aspects of sustainable structures and aims to explore the future of intelligent solutions especially for the design, construction, and maintenance of bridges and other physical infrastructures. In this context, we are pleased to announce this Special Issue with the general theme of “Intelligent Solutions for the Sustainability of Bridges and Structures”. Possible topics include, but are not limited to, the following:

- Reinforced concrete structures;
- Disaster hazards;
- Structural safety;
- Structural dynamics;
- Innovative retrofitting materials;
- Computational dynamic simulation;
- Smart structural health monitoring solutions;
- Machine learning;
- Computer vision.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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