

Special Issue

Existing Bridges: From Inspection to Structural Rehabilitation

Message from the Guest Editors

This Special Issue is open to all kinds of advances related to the civil engineering applied to existing bridges. In the last decades, this engineering area has gained unremitting and increasing attention from researchers, engineering companies and public administrations because, due to aging of structures and changes in codes, existing bridges are often not able to ensure the expected structural safety and performance. Submitted technical articles and review papers should reflect original research studies on the following topics:

- collection and processing of in situ inspection data
- structural health monitoring and digital twins
- management systems
- laboratory tests on elements or sub-assemblages
- structural assessment
- rehabilitation and retrofit interventions
- soil-structure interaction
- codification for safety of existing bridges

Please consider that the above topics are not exhaustive of all aspects of the civil engineering applied to existing bridges. So, feel free to submit your contributions on any additional topic that could be relevant to the above- mentioned subject.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2024)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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