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Recent Challenges and Innovations in Long-Span Bridges

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Message from the Guest Editors

In recent decades, many long-span bridges have been constructed to cross rivers, canyons, and other natural or manmade obstacles, forming an important part of modern transportation networks. Bridge engineers are confronted with many challenges in the design, construction, and maintenance of long-span bridges. Technological developments and innovations provide a fundamental approach to tackle these challenges. This Special Issue aims to collect papers regarding recent developments and innovations in long-span bridges. Potential topics include, but are not limited to, the design and construction practices of long-span bridges; applications of new materials in bridge engineering; innovative bridge systems; machine-learning-enhanced structures and bridge design and monitoring; and the risk, reliability and resilience analysis of long-span bridges.











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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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