



State-of-the-Art in Structural Steel Engineering

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Message from the Guest Editors

Dear Colleagues,

Steel structures are undergoing permanent change, especially with new challenges such as green construction, climate change, sustainability, and achieving carbon neutrality. Materials engineering has developed rapidly in recent decades, with the development and successful application of high-strength steels (HSS) and stainless steels (SS).

Numerical methods, which aim to model the adequate static and dynamic behavior of structures, have become increasingly important. Thin-walled steel structures are also becoming more widely used. In parallel, a great deal of attention focused on the methods of calculating the joints for these structures, and the influence of these joints on the behavior of the whole structure.

This Special Issue invites you to publish scientific and review articles on the development and design of steel bridges and structures. Submissions should focus on the development and application of modern trends in the research on steel structures; advanced analytical, numerical, and experimental methods of analysis; and case studies of simulations of structures with applied novel materials.





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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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