# Special Issue

# Steel Structural Stability in Civil Engineering

## Message from the Guest Editors

Steel members have widespread applications in civil engineering structures, namely in bridges and buildings. The ongoing progress in computational tools and design codes, as well as aesthetic demands, is fostering the development of increasingly innovative and complex thin-walled steel load-carrying structural systems, which are generally highly susceptible to complex stability phenomena that need to be properly addressed during the design process. This Special Issue aims to present recent high-quality original research concerning theoretical, numerical, experimental and design advances in the field of structural stability in civil engineering structures, including, but not limited to, the following:

- Members (beams, columns, beam-columns) and structural systems;
- Plates and shells;
- Thin-walled members;
- Advanced analysis methods;
- Computational methods;
- Carbon and stainless steel;
- Static and seismic loading.

**Keywords:** steel structures; structural stability; thin-walled members; cold-formed steel; non-linear behaviour and design; buckling

## Guest Editors

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## Deadline for manuscript submissions

closed (20 July 2024)

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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.

## Editor-in-Chief

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