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# Recent Advances on Instability and Failure of Structural Components and Systems—Material Characteristics and Loading Conditions

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Deadline for manuscript submissions:

closed (30 June 2021)

## **Message from the Guest Editors**

Dear Colleagues,

This special issue addresses recent advances on instability and failure features associated with a broad range of structural components. The focus areas are (but not limited to) steel, concrete, timber, masonry as well as composite structures subjected to a wide variety of loading circumstances (including static loading, earthquakegenerated excitation, fire, wind, etc.) within different numerical, experimental and hybrid research frameworks. The scope of this special issue encompasses the common issues around failure and instability analyses, nonlinear response, thin-walled structures, new materials and compositions in construction, timber and masonry composites, fibre-reinforced structures, pressurised and industrial structures, optimisation, sustainability and environmental consideration in structures.

Dr. Tohid Ghanbari-Ghazijahani Dr. Farhad Dashti *Guest Editors* 











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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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