## **Special Issue**

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

## Message from the Guest Editors

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, earthquake-generated 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, fibrereinforced structures, pressurised and industrial structures, optimisation, sustainability and environmental consideration in structures.

## **Guest Editors**

Dr. Tohid Ghanbari-Ghazijahani

School of Engineering, Macquarie University, Macquarie Park, NSW 2113, Australia

Dr. Farhad Dashti

Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch 8140, New Zealand

## Deadline for manuscript submissions

closed (30 June 2021)



# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



## mdpi.com/si/51715

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

mdpi.com/journal/applsci





# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



## **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 multidimensional network.

## Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

## **Author Benefits**

## **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

