



Steel and Aluminium Structures: New Advances in Structural Design and Retrofitting Strategies

Guest Editors:

Dr. Elide Nastri

Department of Civil Engineering,
University of Salerno, 84084
Fisciano, SA, Italy

Dr. Alessandro Pisapia

Department of Civil Engineering,
University of Salerno, Via
Giovanni Paolo II, 84084 Fisciano,
SA, Italy

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present new, advanced research regarding steel and aluminum structures. In particular, our goal is to collect papers concerning experiments and numerical modeling of metal members, and new methodologies in structural design and retrofitting strategies when the structure is subjected to severe earthquakes. The fatigue and fracture behavior of steel materials and aluminium alloys, advanced studies on instability phenomena, new computational technologies performing detailed nonlinear static and/or dynamic analyses of realistic structural systems, and the use of metal members in the retrofitting strategies are included within the scope of this Special Issue.

The Guest Editors are inviting high-quality original research articles focused both on the state-of-the-art and the newly developed techniques for seismic protection.

We are promoting the Special Issue through our institutional web page, by informing the entire Italian community of structural engineering professors and all the other foreign colleagues that are involved in several research projects with the Editors.

Dr. Elide Nastri

Dr. Alessandro Pisapia

Guest Editors





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/Metals_MDPI)