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Advances in Structural Application of Metals

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Whereas the structural properties of metals have been continuously improved during the last couple of decades, their application to structural engineering seems to be relatively inactive. The development of modern numerical and experimental methods enables significant advances in the field of metal application to various types of structures. The primary prerequisites for the future success of metal application to structures lie in further improvements of existing technologies associated with metal application to structures and the development of new novel metal and metal-composite members possessing benefits in strength, ductility, economy, corrosion, and others. This Special Issue aims to be a platform for introduction and discussion on the new progresses in analytical studies, experimental studies, and new design technologies in metal application to structures. Examples of innovative and successful field applications as well as new retrofit practices are also highly encouraged. Research and review papers are also welcome.

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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.

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

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