Special Issue

Mechanical Behaviour of Aluminium Alloys

Message from the Guest Editors

Aluminum is the leading non-ferrous metal in use. This is due to its unique properties, such as lightness, strength, corrosion resistance, toughness, electrical and thermal conductivity, recyclability, and formability. The combination of these specific features makes aluminum alloys attractive for a broad spectrum of applications in different strategic sectors, namely automotive, aerospace, mold and structural industries, among others. Despite the knowledge accumulated over time, recent advances in the production and processing techniques, combined with the development of new and more ingenious products, require a profound understanding of the mechanical behavior of aluminum alloys. The goal of this Special Issue is to foster the dissemination of the latest research devoted to the structural integrity of aluminium alloys. Original contributions dealing with the effects of manufacturing strategies, chemical composition, microstructure, environmental conditions, and loading history on mechanical behavior of aluminum alloys are encouraged. Both experimental and numerical approaches are accepted.

Guest Editors

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Deadline for manuscript submissions

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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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