Special Issue

Quasi-Static and Dynamic Testing of Metallic Materials

Message from the Guest Editor

There is a common need in the society to understand how a material acts under different conditions. The general understanding of how local deformations at a sub-micron level influence the overall behavior of a full-size component under different loading conditions is still not fully understood. With an increased focus on safety, e.g., in infrastructure, terror security, and extreme weather, there is great interest in understanding the material behavior under both quasi-static and dynamic conditions. With this Special Issue, I want to encourage both experimental and numerical original contributions that may elucidate the behavior of metallic materials in the range from quasi-static to dynamic conditions, and from micro scale to full-scale component testing.

Guest Editor

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Deadline for manuscript submissions

closed (15 August 2019)

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/si/20817

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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