



Metallic Materials under Dynamic Loading

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to publish scientific papers related to dynamic behavior of materials, and also to structure (Impact, explosion, perforation, spalling, etc.). For this purpose, the Special Issue will consist of works related to experimental approaches, modeling, in terms of constitutive relations and computing simulations coupled to experiments. The materials studied will be related to metals, allowing a better understanding of the macroscopic behavior of materials subjected, for example, to large deformation, high strain rates, high temperatures, shock and high pressures. In addition to material behavior, works and papers regarding fracture and damage under extreme conditions (described previously) will be considered.

I hope to receive many propositions to make a high-impact Special Issue on “Dynamic Behavior of Materials and Structures”. I am sure that this Special Issue will be useful for people working in this specific field, and also for PhD students. It will cover experiments, modeling and computing.





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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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