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Surface Strengthening and Modification of Metallic Materials

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Deadline for manuscript submissions:
30 June 2024

Message from the Guest Editors

This Special Issue is focused on highlighting the most recent contributions in the field of materials science and engineering and surface strengthening and modification of metallic materials from a broad range of applications, from aerospace to nuclear engineering. The main applications are related to materials and process performance involved in engineering applications and the post-processing and treatment procedures. This Special Issue will focus on the improvement of the behavior and performance of metallic materials through surface modification and peening technologies. We welcome the submission of various papers related to surface strengthening and modification of materials and their improved properties, from experimental approaches and modeling/simulation to advanced insights into materials and surface post-treatment procedures.

In addition, this Special Issue welcomes interesting research papers from the 8th ICLPRP.

For this Special Issue of *Metals*, it is our pleasure to invite you to submit papers and review articles.

We look forward to your valuable contributions.

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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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