Special Issue

Advanced Surface Enhancement

Message from the Guest Editor

It is my pleasure to invite you to participate in this Special Issue of MDPI *Metals* devoted to advanced methods and approaches to surface enhancement. There are five themes that encompass the latest developments in specific areas of surface enhancement, namely: Surface enhancement for improved fatigue resistance; product verification and material characterization; surface finishing; laser-based processes for surface enhancement; and Towards Industrie 4.0. All these topics include conventional as well as novel approaches and techniques, so submissions that address the wide range of technical and practical aspects in the area are welcome. The call for this Special Issue is cotemporaneous with the preparation of the first International Conference on Advanced Surface Enhancement (INCASE) held in Singapore from September 10th to 12th, 2019. Contributors to this symposium are also invited to make submission(s) to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2019)

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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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