



## Electron Beam Treatment Technology in Metals

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editor

It is my pleasure to announce the Special Issue “Electron Beam Treatment Technology in Metals”, which will be published in the journal *Metals*. It will serve as an international medium for discussion of topics contributing to a better understanding of treatment techniques of metals and alloys using electron beams, the manufacturing of novel metallic materials, the modification of their structure and properties, the modeling of the processes, etc. This technology has many advantages, which allows for the control of the structure and properties of materials, low cost, significantly shorter time needed for fabrication in comparison with the traditional methods, easy manufacturing of products with complex geometry, and others.

This Special Issue aims to collect articles discussing the topics related to the application of surface treatment using electron beams, electron beam alloying, cladding, deposition of novel materials, additive manufacturing, surface sculpturing and freeform fabrication, modeling, etc. The Special Issue covers all aspects of the electron beam treatment of metal materials and alloys. Full papers, like articles, communications, and reviews are welcome.





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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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