



Electron-Beam Deposition and Modification of Functional Coatings

Guest Editor:

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Deadline for manuscript
submissions:
closed (31 October 2021)

Message from the Guest Editor

Dear colleagues,

We would like to invite you to submit your work to this Special Issue on “Electron-beam deposition and modification of functional coatings.”

In particular, the topics of interest include but are not limited to:

- Equipment for an electron-beam deposition and modification of material surface
- Processes of electron-beam deposition
- Electron-beam modification of material surface
- Properties of electron-beam coatings
- Complex electron-beam and ion-plasma engineering of material surface

This Special Issue is seeking original and review articles presented by the leading collectives and scientists of the world scientific community in the field of electron-beam equipment and technologies. We hope these papers will demonstrate some of the most significant works performed in recent years as well as trends in the development of this promising scientific and technological direction and its interaction with related areas.

Prof. Nikolay Koval
Guest Editor





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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