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From Surface Modification to Additive Manufacturing of Components by Solid-State Cold Spray Technology

Guest Editor:

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Deadline for manuscript submissions:
closed (20 September 2023)

Message from the Guest Editor

The objective of this Special Issue is to present the latest experimental and theoretical developments in this field, through original research and short communication papers, and review articles from academia and industry around the world.

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

- 3D printed/additively manufactured coatings and repair of structurally critical components using cold spray technology.
- Cold spray additive manufacturing of high entropy alloys, Ti, Al, Fe, Ni based alloys and super alloys, refractory metals, etc.
- Improvement of corrosion, wear and high temperature oxidation resistances of additively manufactured cold sprayed components/deposits using post-cold spray treatments.
- Modification of mechanical properties of additively manufactured cold sprayed components using post-cold spray treatments.
- Application of additively manufactured cold sprayed components/deposits for biomedical applications.
- Hybrid additive manufacturing: the combination of cold spray processes and common additive manufacturing methods.

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Message from the Editor-in-Chief

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