Special Issue

Cold Spray Deposition of Metallic Coatings on Polymers

Message from the Guest Editor

Cold spraying is an emerging coating technology, and its development has been very active in recent decades. This technique is gaining even more interest in the whirlwind of additive manufacturing, with many research groups investigating the possibility of printing 3D parts using cold spray. Cold spraying has potential in several industrial sectors and has proven valuable in restoration, repair, and corrosion and wear protection. The nature of coating formation is a solid-state process that opens up possibilities in the manufacturing of heat-sensitive materials and in additive manufacturing. The development and importance of quality are pushing cold spraying technology to the next level. I cordially invite scientists and academics all over the world to submit original research papers and review articles on cold spraying, its latest developments, applications, as well as coating properties and performance.

Guest Editor

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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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