

Additive Manufacturing of Metallic Components for Hard Coatings

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Message from the Guest Editor

Additive manufacturing is a method for the fabrication of 3D components, which are built layer by layer (i.e., 3D printing), and is expected to represent a revolution in the components fabrication sector. The technology provides the possibility of fabricating customized parts and the capability of producing complex geometries which are impossible to manufacture with other methods, and makes it possible to optimize the topology in order to obtain lightweight designs. Furthermore, the low material waste produced during additive manufacturing is a highlight from the point of view of circular economy. For these reasons, the additive manufacturing of metals and metal matrix components could be a possible solution to obtain components for hard coating applications.

Contributions should focus on the fundamentals and application of the additive manufacturing of Metallic Components for Hard Coatings, and we are particularly interested in those which emphasize the capability of the different additive manufacturing methods.



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Message from the Editorial Board

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