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## Microstructures and Mechanical Properties of Metallic Thin Films and Coatings

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Deadline for manuscript  
submissions:

**closed (20 June 2022)**

### Message from the Guest Editor

This Special Issue will focus on recent advances in the field of metallic coating materials and the relation between microstructural evolution and their mechanical properties. The Special Issue should be a platform for articles dealing with specific structure–property relationships of metallic coatings, their chemical compositions, and alloying concepts to enhance their thermomechanical properties; fracture resistance and related characterization techniques; mechanical properties such as residual stress, hardness, or indentation modulus in general; phase formation with respect to crystalline and amorphous structures; as well as high-resolution characterization (e.g., HR-TEM, ATP, or nanobeam experiments) techniques to gain insights on predominant phases. For this Special Issue, PVD-based deposition techniques are preferred though other techniques will be considered.





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