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Microstructures and Mechanical Properties of Metallic Thin Films and Coatings

Guest Editor:

Dr. Helmut Riedl

Institute of Materials Science and
Technology, TU Wien,
Getreidemarkt 9, 1060 Wien,
Austria

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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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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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