



Magnetron Sputtering Deposited Thin Films and Its Applications

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Deadline for manuscript submissions:

closed (15 May 2020)

Message from the Guest Editors

Magnetron sputtering or cathodic arc-deposited thin films are now widely used on an industrial scale for various applications. The cathodic arc technique, which is characterized by high-ionized plasma, is used for hard coatings deposition on cutting or forming tools, whereas Magnetron sputtering technology is used for microelectronic, optic applications or for components (sensors, mems, etc.).

Many applications are addressed by these physical vapour deposition (PVD) technologies. This Special Issue is focused on links between deposition parameters, physico-chemical characteristics, and functional properties of thin films deposited by one of these methods. It is our pleasure to invite you to submit a manuscript to this Special Issue. Papers with the “from deposition to application” approach are targeted.





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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