

Magnetron Sputtering Deposited Thin Films and Its Applications

Guest Editors:

Prof. Dr. Frederic Sanchette

ICD LASMIS, Université de
Technologie de Troyes, Antenne
de Nogent, Pôle Technologique
de Sud-Champagne, 52800
Nogent, France

Prof. Dr. Alain Billard

FEMTO-ST, Université de
Bourgogne-Franche Comté,
Plateforme SURFACE de
Montbéliard, UTBM—90010
Belfort cedex, France

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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.



Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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