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Thin Film Deposition and Characterization Techniques

Guest Editor:

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Deadline for manuscript submissions:
closed (20 December 2018)

Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to promote different thin film technologies for energy and environmental applications. Indeed, today, technological systems are becoming miniaturized and, therefore, surface treatments find a certain interest in various fields, such as electrochemistry, catalysis, and optics. Each article presented in this issue should include a part elaboration using thin film techniques and a dedicated part for the characterization of the films.

In particular, the topics of interest include, but are not limited to:

- Fuel cells materials electrolyte, anode, cathode and/or complete cell,
- Gas sensors,
- Catalysis,
- Transparents conductive oxides

Prof. Dr. Pascal Briois
Guest Editor

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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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