

Atomic Layer Deposition

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Atomic Layer Deposition (ALD) has developed from its early beginnings in the Soviet Union and Finland into a process that is critical for microelectronics manufacturing and also extends into many other areas, for example, flexible electronics, displays, anti-corrosion layers, catalysis and pharmaceuticals. This Special Issue of Coatings on “Atomic Layer Deposition” is intended to cover original research and critical review articles on recent advances in all aspects of ALD.

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

- ALD processes for materials and devices;
- Characterization of ALD coatings;
- ALD nucleation, growth phenomena and process modelling;
- Applications of ALD;
- Spatial and roll-to-roll ALD processes.

Prof. Dr. David Cameron

Guest Editor



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Special Issue

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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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