



Tribology and Mechanical Behavior of Engineered Surfaces

Guest Editor:

Dr. Nathalie Renevier

School of Engineering, University
of Central Lancashire, Preston,
UK

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submissions:

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Message from the Guest Editor

This Special Issue aims to address aspects of tribology and mechanical properties of engineered surfaces. Its scope includes both experimental investigations and modelling of contact and failure mechanisms. We welcome research papers, case studies and topic reviews that improve our understanding of tribo-mechanical responses, the characterisation and performance of engineered surfaces, and the design and manufacture of surface engineered solutions for specific tribological industrial applications. Additional emphasis will be given to multifunctional, nanostructured and nanocomposite surface engineered solutions for challenging operating conditions.

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

- surface engineered devices for tribological applications;
- surface modification techniques and surface treatments;
- mechanical testing and friction and wear testing of surface engineered materials;
- characterisation of surface engineered devices;
- industrial applications of engineered surface devices; and
- modelling of surface engineered systems.





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ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

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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Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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