

Surface Modification and Surface Flashover Performance Enhancement

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

We would like to invite you to submit your work to a Special Issue on “Surface Modification and Surface Flashover Performance Enhancement-Measurement, Simulation and Mechanism”. With this Special Issue we would like to offer a better understanding and showcase the best work of surface flashover performance of insulating materials.

In this Special Issue, we invite researchers to present original research papers, review articles or short communications on the latest developments in the field of surface charge measurement and surface flashover mechanism that will foster the continuous development of insulating material application for the benefit, in the short and medium term, of the scientific community and also of the industrial sectors. In particular, the topics of interest for this Special Issue include but are not limited to:

- Surface flashover phenomena and related mechanisms involved with interface surface charges;
- Measurement technologies and simulations methods of interface surface charges;
- Correlation between the surface modification and the surface flashover performance;
- Simulation on the surface modification for surface flashover enhancement.



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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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