Special Issue

Surface Metrology in Advanced and Precision Manufacturing

Message from the Guest Editors

The development of advanced material technologies and precision manufacturing pose new challenges in surface metrology. The purpose of this Special Issue is to present novel ideas and experimental results in surface measurements and characterizations over a full range of scales. This approach integrates theoretical, experimental, and computational studies to describe nano-, micro- and macro-surface textures. Research areas may include (but are not limited to) the following:

- Precision and advanced engineering;
- Advanced modeling and simulation of surface-related phenomena, including wettability, lubrication, friction wear, and more;
- Surfaces at different scales: nano, micro, and macro;
- Uncertainty of surface measurements;
- Surface applications;
- Development in manufacturing techniques;
- Application of high-precision machines and instruments for surface modifications;
- Advanced and precision measurement techniques and methods;
- Manufacturing in Industry 5.0;
- Advanced material technologies.

We look forward to receiving insightful contributions.

Guest Editors

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Dr. Francesco Tamburrino

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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