Special Issue

Micro/Nano-Machining of Functional Structures and Surfaces

Message from the Guest Editor

Micro/nano-, cutting/laser-based micromachining technologies, such as the micromachining of complex parts and geometric structures and features as well as the structuring and texturing of functional, optical, and tooling surfaces, are key technologies for adding new and/or enhancing existing values of functional parts and products. We invite full research papers, comprehensive reviews and communications covering related topics included in the keywords below:

- Cutting-based micro/nano-machining, including single-point cutting, milling, vibration-assisted cutting, fast/slow tool servo and other advanced technologies for microfabrication, structuring, texturing, polishing, etc.
- Laser-based micro/nano-machining including ablation, remelting, microcladding and other advanced technologies for structuring, texturing, polishing, remelting, alloying, etc.
- Functional surfaces and micro/nano-structures for enhanced wettability, friction, hydro/aero-dynamics, light guiding, optical holography, self-cleaning, drag, biofouling resistance, solar light trapping, boiling, water condensation, adhesion, alumophobicity, etc.
- High-quality tooling surfaces.

Guest Editor

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Editor-in-Chief

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