Special Issue

Functional Micro Structures and Textures: Manufacturing and Applications

Message from the Guest Editor

Advanced micro/nano-, cutting/laser-based machining technologies are the key technologies for creating new and/or enhancing existing values of functional parts and products. In addition, nano/micromachining technologies can be seamlessly integrated with novel material additive processes and systems for surface formation and topography enhancement and functionalization.

The aim of this Special Issue is to cover advanced developments, functionalities, and applications in functional microstructures and textures produced using micro/nano-, cutting/laser-based machining technologies. It also seeks to highlight research on system and part design; process and performance modelling; microfabrication; and performance evaluation of the micromachining process and/or functional surfaces and their precision, accuracy, quality, and efficiency improvement for a wide range of applications related (but not limited to) the control of wettability, friction, optical appearance, light guiding, corrosion, hydro- and aero-dynamics, and biofouling resistance.

Guest Editor

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