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Micro- and Nanofabrication of Functional Surfaces

Guest Editor:

Prof. Dr. Rafael Taboryski
DTU Nanolab—National Centre for Nano Fabrication and Characterization, Technical University of Denmark, Ørsteds Plads, Building 347, 2800 Copenhagen, Denmark

Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

Micro-/nano-fabrication is a node processing technology. It refers to the design, processing, assembly, system integration, and application of submillimeter, micron, and nano-scale components and systems composed of these components. Currently, the main drivers for this technology are advanced micro-chips, micro-electromechanical systems (MEMS), and nano-electromechanical systems (NEMS).

Within these systems, the surface plays an important role. Different surface micro-/nano-structures can exhibit interesting functions. At present, the development of functional micro-/nano-structures and devices is still limited by micro-/nano-fabrication technology. Therefore, this Special Issue focuses on extensive and in-depth studies of surfaces and their functionalities arising from different micro-/nano-fabrication techniques. We hope this Special will can provide some references for the improvement of the processing capacity and efficiency of micro-/nano-fabrication technology in the future, as well as the key directions of future research. See more information at https://www.mdpi.com/si/163156

Prof. Dr. Rafael Taboryski
Guest Editor

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Editor-in-Chief

Prof. Dr. Shirley Chiang
Department of Physics, University of California Davis, One Shields Avenue, Davis, CA 95616-5270, USA

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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