Special Issue

Nanoimprinting: From Micro to Nano

Message from the Guest Editor

I would like to invite you to submit your latest nanoimprint research results to this Special Issue, which aims to collect the latest results in the fields of nanoimprint processes and material development, as well as nanoimprint-enabled applications covering the full feature size range that is addressed by nanoimprint processes. Nanoimprinting is an extremely versatile technology to replicate micro- and nanostructures, finding applications from micro-optics to optical metasurfaces and from microfluidics to nanogap structures. This broad application range makes nanoimprint process development highly interesting but also challenging, and special focus must be paid to application-specific materials. Processes and applications can only be properly developed when supported by relevant metrology. Therefore, contributions dealing with nanoimprint-related metrology challenges are also highly welcome. Nanoimprinting has a high potential to support sustainable applications and to provide sustainable micro- and nanopatterning processes. Therefore, I would like to encourage contributors to highlight the sustainability aspects of their work, in the context of the UN's SDGs.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The capability to manipulate, assemble, and fabricate nano-objects have given rise to nanoscience, one of the most rich and interdisciplinary fields of research. In fact, mechanics, optics, magnetism, or electronics at the nanoscale strongly differ from their macroscopic counterparts, and thus several disciplines are necessary to study nanomaterials. This field's development parallels the technical advances that have made it possible to control matter at the nanoscale. Our journal, *Nanomanufacturing*, seeks to provide a forum for discussion and a platform to publish the latest results regarding the fabrication, manipulation, scalability, and eventual industrial production of miniaturized devices or objects. All of our articles are published with rigorous refereeing and open access.

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