Special Issue

Nanoimprinting and Sustainability

Message from the Guest Editor

Nanoimprinting has several key features which makes it very interesting for a broad range of applications, both in industry and research. It facilitates the replication of micro- and nanoscale features in a fast and cost-efficient process, allows the direct (additive) patterning of functional materials and can also be applied on complex and curved surfaces. Many applications that are realized with nanoimprinting already address sustainability aspects such as antireflective structures for photovoltaics or antifouling structures for ships. On the other hand, nanoimprinting itself can be a process which is run in a sustainable, energy- and resource-efficient way, potentially using materials from renewable sources. This Special Issue aims to collect contributions dealing with the sustainability of nanoimprinting itself as well as with research and applications with a clear sustainability aspect that have been realized using nanoimprinting. It hopes to stimulate discussions and research for a more sustainable future.

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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