Special Issue

Recent Advances in Micro-Nanofabrication Techniques and Applications

Message from the Guest Editors

The convergence of nanofabrication and photonics is driving the future of optics and quantum technologies forward. The advanced nanofabrication processes featured in this issue will be essential for building the next generation of quantum devices, requiring both precision and scalability. This issue will also delve into emerging methods such as multi-photon polymerization and direct laser interference patterning, which open new avenues for creating intricate nanostructures with applications in both photonics and quantum technologies. Furthermore, it will explore how advancements in electron beam lithography and focused ion beam techniques have enabled new possibilities in the design and integration of nanoparticles, 2D materials, and more, paving the way for the next wave of photonic innovation. Through this issue, we aim to inspire renewed interest in the creative possibilities that arise when innovative design meets cutting-edge fabrication techniques, believing that this focus will not only contribute significantly to the field but also inspire the next generation of researchers to explore the intricate world of micro-nanofabrication.

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Message from the Editor-in-Chief

Editor-in-Chief

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