Special Issue

Mechanisms, Applications and Development of Microstructure-Based Fiber Devices

Message from the Guest Editors

Different from traditional optical fibers, microstructured fibers have always been a hot research topic since their discovery, due to their flexible structure and diverse light-guiding mechanisms. Through years of research, the meaning of microstructure optical fibers has gradually expanded from traditional photonic crystal fibers to include various special fibers with micron-scale structures, such as hollow-core anti-resonance fibers and multicore fibers. Correspondingly, new mechanisms, devices and applications are emerging. Therefore, this Special Issue aims to encourage scholars in the field of microstructured fibers to review the development of microstructured fiber devices in such fields as lasers, sensing and communication, and to look forward to new trends in development. At the same time, we also welcome submissions of novel mechanisms and application research based on microstructured fiber devices.

Guest Editors

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Deadline for manuscript submissions

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