Special Issue

Hollow-Core Photonic Crystal Fibers

Message from the Guest Editor

Twenty-five years later, we can argue that HCPCF has been a platform for fundamental transformation in guided photonics and on the physical mechanisms by which light is confined and guided in dielectric microstructures. Remarkably, the opportunity to fill the hollow-core with a fluid at a micrometer scale and over length has opened a unique route for light–gas interaction. Such outstanding features explain why the HCPCF technology is currently addressing large and diverse range of fields, from optical telecommunications, ultrafast optics, and quantum information to laser metrology, to name just a few. This Special Issue of *Fibers* intends to cover recent advances obtained in the field of HCPCFs from both fundamental and applicative point-of-view. Contributions will include original research papers and reviews for peer-review.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)

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About the Journal

Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.
We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

Editor-in-Chief

Prof. Dr. Martin J. D. Clift
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