Special Issue

Novel Advances in Special Structured Optical Fibers and Sensors

Message from the Guest Editors

With the development of advanced fabrication methods, special structured optical fibers and sensors are proposed for various applications, rapidly changing the way engineered fiber-optic systems are developed with functional performances. The optical properties in special structured optical fibers and sensors can be improved to achieve interesting interactions between the optical field, mechanical field, etc. This is vitally important in fields such as biomedical imaging, mechanical structural health monitoring, underwater detection and communications, etc. However, some optical and mechanical performances of fabricated special structured fibers and sensors cannot meet the requirements in some extreme environments. Therefore, it is necessary to explore novel special structured fibers and sensors combined with new mechanisms, new fabrication strategies, and new materials for specified applications in optical fiber communications and sensors. This Special Issue will cover all contributions of original research and review articles related to the design, fabrication, and applications of novel special structured optical fibers and sensors.

Guest Editors

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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