

Special Issue

Recent Advances in the Study of Light Propagation in Optical Fibers

Message from the Guest Editors

Guided-light propagation in optical fibers have been the focus of intense research efforts that range from studying optical communications to sensing and imaging. This Special Issue is intended for a multidisciplinary audience and will present some of the most recent advances and novel approaches applied in the design, fabrication, and application of optical fibers, generation of light beams, and guided-light propagation. Original contributions and reviews on any topic related to optical fibers and light propagation, whether theoretical/numerical or experimental, are all welcome. Topics of interest include but are not limited to the following areas: - Beam generation and propagation in optical fibers - Optical coherence and partially coherent beam propagation - Nonlinear optical processes inside optical fibers (including stimulated Raman scattering, stimulated Brillouin scattering, four-wave mixing, and supercontinuum generation) - Novel optical communication systems - Novel optical fibers including photonic crystal fibers - Fiber optic sensors - Medical applications of guided light in optical fibers

Guest Editors

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Deadline for manuscript submissions

closed (28 December 2020)



Photonics

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Impact Factor 1.9
CiteScore 3.5



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Message from the Editor-in-Chief

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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