



Recent Advances in the Study of Light Propagation in Optical Fibers

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Message from the Guest Editors

Dear Colleagues,

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 application of guided light in optical fibers





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Message from the Editor-in-Chief

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