

Special Issue

Recent Advances in Hollow-Core Fiber Optics: Design, Fabrication, and Applications

Message from the Guest Editors

We are pleased to announce this Special Issue, titled "Recent Advances in Hollow-Core Fiber Optics: Design, Fabrication, and Applications", dedicated to exploring recent developments in HCFs across all aspects of research and development. We invite submissions of original research papers and review articles presenting state-of-the-art advancements, technical breakthroughs, experimental demonstrations, and practical applications. Topics of interest include, but are not limited to, the following:

- Novel designs of HCFs;
- Low-loss HCF fabrications across all wavelengths;
- HCFs made of soft glasses and polymers;
- Interconnection between HCFs and traditional solid-core fibers;
- Characterization and properties of HCFs;
- Hollow-core fiber-based components;
- HCFs for high-power delivery systems;
- Applications of HCFs in gas lasers and gas sensing;
- Nonlinear effects in HCFs;
- Microwave photonics utilizing HCFs;
- HCFs in optical networks;
- Emerging applications demonstrated with HCFs.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the second half of 2024).