Special Issue

Advances in Fiber Sensing Systems Based on Brillouin Scattering

Message from the Guest Editors

Brillouin scattering is a key phenomenon in the field of fiber optic sensing, characterized by the interaction of light with acoustic waves within an optical fiber. This Special Issue aims to showcase the latest research and developments in fiber sensing systems based on Brillouin scattering. We encourage potential authors to submit original research articles that focus on the following areas:

- New advancements in Brillouin scattering and its application to fiber optic sensing;
- Development of novel Brillouin-scattering-based sensing technologies and their practical applications;
- Enhanced techniques for improving the accuracy, sensitivity, and resolution of Brillouin-based sensors;
- Deployment of Brillouin-scattering-based sensors in various industrial, environmental, and structural monitoring applications.

We look forward to receiving submissions that offer insights into cutting-edge research that can stimulate further innovation in the area of Brillouin optical fiber sensing. Your contributions will be instrumental in advancing the state of the art and expanding the horizons of Brillouin-scattering-based sensing systems.

Guest Editors

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Deadline for manuscript submissions

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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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