

Special Issue

Ultrafast Optics: From Fundamental Dynamics to Transformative Technologies

Message from the Guest Editors

This Special Issue will focus on the emerging research results on fundamental dynamics and transformative technologies based on ultrafast optics. Developing ultrafast optics could significantly contribute to multiple fields of ultrafast laser machining, optical imaging, strong-field physics, and more. Therefore, many aspects need further investigation, including advanced optical performance, novel optical interactions, and new optical applications. This Special Issue will cover a vast scope of research, including the fundamental dynamics of ultrafast optics and transformative technologies based on ultrafast optics; contributions will be solicited on topics including but not limited to the following areas:

- The fundamental dynamics of ultrafast optics;
- Novel optical phenomena based on ultrafast optics;
- The application of ultrafast optics;
- Optical imaging based on ultrafast optics;
- Strong-field physics based on ultrafast optics.

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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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