Special Issue

Ultrafast Fiber Lasers and Applications

Message from the Guest Editors

We are pleased to invite you to submit your manuscript to our Special Issue titled “Ultrafast Fiber Lasers and Their Applications”. Ultrafast fiber lasers with rare-earth-doped fibers as gain media have the advantages of miniaturization, high efficiency, and low cost. They show great potential in practical applications, such as precision microfabrication, aerospace, consumer electronics, automotive manufacturing, photovoltaic energy, and other industrial fields. In recent years, the emergence of new types of fibers such as infrared fibers, semiconductor fibers, and photonic crystal fibers has provided a broader stage for ultrafast fiber lasers. As the core component of many ultrafast laser application systems, the performance of ultrafast fiber lasers is the primary limiting factor for the whole system. However, there are still many aspects that need to be improved and enhanced in terms of performance. Research areas may include (but are not limited to) the following: high-performance fiber lasers, ultrafast laser dynamics, and applications of fiber lasers.

Guest Editors

Dr. Jiancheng Zheng

Dr. Yusheng Zhang

Dr. Lau Kuen Yao

Deadline for manuscript submissions

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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