

Special Issue

Recent Advances in Mode-Locked Fiber Laser

Message from the Guest Editors

Mode-locked fiber lasers (ML-FL) are low-cost and multipurpose sources which produce a variety of optical pulses that are attractive for applications. On the one hand, there are the actively mode-locked FLs, which employ an acousto-optic/electro-optic modulator synchronized with the round-trip of the cavity, to form a regular pulse train. On the other hand, there are the passively mode-locked FLs, where pulse formation relies on the use of a physical or artificial saturable absorber (SA). This Special Issue invites manuscripts that introduce the recent advances in “Mode-Locking Fiber Laser”. All theoretical, numerical, and experimental papers are accepted. Topics include, but are not limited to, the following:

- Actively/passively mode-locked fiber laser;
- Double-clad fiber lasers; Erbium-doped fiber lasers; Figure-eight lasers;
- High energy pulses; High order harmonic pulses;
- Holmium-doped fiber lasers;
- Mode locking dynamics;
- Noise-like pulses;
- Optical coherence tomography;
- Optical rogue waves;
- Ring fiber lasers; Thulium-doped fiber lasers;
- Ultrafast fiber lasers; Ultrashort pulses;
- Ytterbium-doped fiber lasers.

Guest Editors

Dr. J. P. Lauterio-Cruz

Department of Physics Research, University of Sonora, Hermosillo, Mexico

Dr. Olivier Pottiez

Centro de Investigaciones en Óptica, A. C., Lomas del Bosque 115, Col. Lomas del Campestre, León 37150, Mexico

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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