Special Issue

Recent Developments in Novel Solid State Lasers

Message from the Guest Editors

Since the first demonstration, numerous solid-state lasers operating from the UV to the mid-IR wavelengths have been implemented, based on different ions and host materials, and on different regimes: pulsed or continuous waves. Solid-state lasers play a fundamental role in many contemporary fields of science and industry, from material processing to ultrafast sensing, despite recent progresses in the development of fiber-based and semiconductor lasers. Many exciting developments are pushing the current limits of solid-state lasers, in order to increase power, cover new spectral regions, or reduce environmental footprints and power consumption. This Special Issue invites authors to submit original research and review articles on recent developments in the field of solid-state lasers, including, but not limited to, novel optical materials, organic active materials, solid-state frequency combs, saturable absorbers, and laser dynamics.

Guest Editors

Dr. Marco Lamperti

CNR-IFN and Department of Physics, Politecnico di Milano, Piazza Leonardo da Vinci, 32, 20133 Milano, Italy

Dr. Riccardo Gotti

CNR-IFN and Department of Physics, Politecnico di Milano, Piazza Leonardo da Vinci, 32, 20133 Milano, Italy

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

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Optics (ISSN 2673-3269) aims at establishing *Optics* as a leading journal for publishing high impact fundamental research and applications in optics field with a fast processing time and high quality service. The journal particularly welcomes both theoretical (simulation) and experimental research within our journal's scope. We encourage scientists to publish their experimental and theoretical results in as much detail as possible. So, there is no restriction on the length or pages of the papers. The full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, if unable to be published in a normal way, can be deposited as supplementary electronic material.

Editors-in-Chief

Prof. Dr. Costantino De Angelis
Department of Information Engineering, University of Brescia, 25123 Brescia, Italy

Prof. Dr. Thomas Seeger
Institut Fluid- und Thermodynamik, Lehrstuhl für Technische Thermodynamik, Universität Siegen, Paul-Bonatz-Straße 9-11, 57076 Siegen, Germany

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