

Advances and Applications of Solid State Lasers

Guest Editors:

Dr. Ivan I. Kuznetsov

A.V. Gaponov-Grekhov Institute
of Applied Physics of the Russian
Academy of Sciences, 603950
Nizhny Novgorod, Russia

Dr. Ivan Buchvarov

Physics Department, Sofia
University “St. Kliment Ohridski”,
5 J. Bourchier Blvd., BG-1164
Sofia, Bulgaria

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Message from the Guest Editors

Dear Colleagues,

Since the invention of the laser, solid-state lasers have constantly pushed the boundaries of feasible parameters, breaking records in terms of peak power, average power, pulse duration, wavelength, bandwidth, and creating potential in a wide variety of applications.

This Special Issue aims to present the latest advances in the field of solid-state lasers and their applications, including but not limited to:

Advances in:

- High-average-power lasers;
- High-peak power lasers;
- Ultrafast lasers;
- Laser amplifiers;
- Ytterbium lasers;
- Neodymium lasers;
- Mid-IR lasers;
- UV lasers;
- Crystalline waveguide lasers;
- Laser materials;
- Thermal effects investigation and mitigation;
- Parametric conversion and high-harmonic generation.

Applications in:

- Industry;
- Medicine;
- Lab;



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