



## High Power Lasers: Technology and Applications

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### Message from the Guest Editor

This Special Issue seeks to uncover the underlying science and engineering in the fields of high-energy density physics, high-power lasers, and advanced laser technology, applications, and laser components. Specifically, papers dealing with laser–plasma interactions, ultra-intense pulse laser interactions with matter, attosecond physics, laser design, modeling, and optimization, laser amplifiers, nonlinear optics, laser engineering, optical materials, optical devices, fiber lasers, diode-pumped solid-state lasers and excimer lasers, etc., are solicited. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to, the following:

- High-power laser systems.
- High-power radiation interactions with matter.
- Laser welding.
- Laser beam characterization and measurement of laser beam parameters.
- Materials for high-power lasers.
- Laser–material interactions.
- High-speed imaging.
- Thermal lensing and optic design approaches.

