Special Issue

High-Power Laser Systems and Coherent Detection: Sensing Technologies and Applications

Message from the Guest Editor

This Special Issue focuses on the latest advancements in high-power laser systems and laser coherence detection technologies, covering all aspects from materials to light sources and applications. We aim to collate new developments in high-power lasers and laser coherence detection technologies, as well as their applications in industry, spectroscopy, remote sensing, optical microscopy, biomedicine, and other fields. We welcome contributions from all researchers involved in mid-infrared laser technology studies, including, but not limited to, the following research areas:

- High-power laser devices;
- Applications of high-power lasers;
- Laser coherence detection technologies and applications;
- Sensing;
- Laser processing;
- Optical microscopy;
- Biomedicine.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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