Special Issue

Applications of Optical Sensing and Laser Spectroscopy in Gas Detection

Message from the Guest Editors

This Special Issue focuses on the most recent research and development related to optical gas sensors. The purpose is to highlight the most recent progress of laser spectroscopy benefited from novel laser sources, advanced spectroscopic methods, and prosperous applications across a variety of fields. As such, the Special Issue welcomes high-quality original papers or reviews reporting the latest gas detection technologies and their applications, in a wide range of topics, including but not limited to the following:

- Advanced optical gas sensing systems;
- Application of laser spectroscopy for environmental, biological, medical, and combustion diagnosis;
- Innovative techniques and methods in optical sensing;
- Applications of gas sensing systems in extreme environments;
- Field applications of laser spectroscopy.

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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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