Special Issue

Laser Based Remote Sensors for Environmental Science: Measurements and Analysis Techniques

Message from the Guest Editors

Laser-based remote sensing techniques are very promising methodologies, having become important, sometimes primary, devices in industrial, urban, environmental, safety, and security applications. Concerning the safety and security field, remote sensing monitoring plays a crucial role in providing fast and preventive alarms in the case of intentional (terrorism, war, etc.) or accidental (or natural) diffusions of dangerous substances, such as chemicals or pathogens. Moreover, remote sensing approaches may prevent people working directly in threatening areas, help understand the dangers involved and take appropriate countermeasures. Pollution monitoring is also fundamental to the preservation and guarantee of a good quality of life, especially in industrial and high-traffic urban areas. This Special Issue refers to any research in the field of laser-based remote sensing applied to environmental, safety, and security fields, accepting both original research and review articles regarding not only the techniques, but also innovative experimental apparatus or devices and new data analysis techniques.

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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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