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

Guest Editors:

Dr. Pasqualino Gaudio

Department of Industrial
Engineering, University of Rome
Tor Vergata, 00133 Rome, Italy

Dr. Riccardo Rossi

Department of Industrial
Engineering, University of Rome
“Tor Vergata”, Via Del Politecnico
1, 00133 Roma, Italy

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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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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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