Special Issue

Lidar Sensors for Atmosphere Monitoring

Message from the Guest Editors

Dear Colleagues Lidar (Light Detection and Ranging) sensors have been developed and widely used for atmosphere monitoring in the past several decades. It plays a pivotal role in various research fields, such as climate science, meteorology, atmospheric physics, and environmental monitoring. The purpose of this Special Issue is to highlight the recent progress in new technology, data processing, inversion methods, and applications of lidar sensors for atmosphere monitoring. This involves atmospheric gases (ozone, carbon dioxide, etc.), particles (aerosols, clouds, and precipitation), meteorology (temperature, humidity, and wind), dynamics (turbulence, wind shear, etc.), and other related topics.

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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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