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Multi Sensor Data Integration for Atmospheric Composition Analysis

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Deadline for manuscript submissions:
closed (1 April 2022)

Message from the Guest Editors

The purpose of this Special Issue is to stimulate the discussion of scientific and technological aspects of atmospheric data fusion, in connection with the new opportunities and challenges posed by the rapidly evolving atmospheric and climate sciences, as driven by an ever-growing variety of observing systems. Research and review articles are welcome which cover state-of-the-art and innovative algorithms and methods for multi-sensor data fusion, describing their features and performance, along with significant instances of application. Reports on strategies for the harmonization and synergistic use of measured and/or model data, including joint retrieval algorithms and data assimilation systems, or on comparison studies of data fusion techniques are most relevant contributions as well. This comprehensive but not exhaustive list of pertinent topics cannot exclude research papers on the quality assessment and validation of fused products that are of major importance, e.g., when dealing with processing atmospheric data in an operational context.

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Message from the Editor-in-Chief

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