Special Issue

Multi-Sensor Data Fusion Technology and Its Application in Meteorology and Air Quality Monitoring

Message from the Guest Editor

Multi-sensor data fusion technology integrates information from various sensors to enhance the accuracy and reliability of data collection and analysis. By leveraging advanced algorithms and machine learning techniques, multi-sensor data fusion enables the real-time processing of vast amounts of data, leading to improved forecasting models and timely alerts for environmental hazards. This approach not only enhances the precision of weather predictions but also facilitates the better management of air quality, ultimately contributing to public health and safety. As urbanization and climate change continue to challenge traditional monitoring methods, the adoption of multi-sensor data fusion represents a significant advancement in environmental monitoring and management.

We welcome contributions that explore, but are not limited to, the following areas:

- **Innovative Data Fusion Techniques**
- **Real-time Monitoring Systems**
- **Case Studies**
- **Machine Learning and AI**

Guest Editor

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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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