

Special Issue

Air Quality Monitoring Sensors Network

Message from the Guest Editors

Alongside the advancements in sensor technologies, air quality monitoring has entered a new era featuring the dense deployment of air quality sensors. Low-cost gas and particulate matter (PM) sensors are being connected via wired or wireless communication protocols (e.g., WIFI and LoRaWAN) to create distributed or community air monitoring networks, providing an unprecedented capacity and opportunity to reveal the temporal-spatial distribution of air pollutants in indoor and outdoor environments. This Special Issue aims to offer a platform for researchers to present recent advancements in air quality monitoring sensor networks. It welcomes the following topics:

- The design, fabrication, calibration, and assessment of air quality sensors for establishing monitoring networks;
- Internet-of-Things (IoT) technologies for integrating air quality sensors into a usable monitoring network;
- Case studies of air quality monitoring sensor networks, focusing on sensor selection, network architecture, or system integration;
- Novel technologies or case studies regarding the management (e.g., calibration) of a large-scale or dense sensor network.

Guest Editors

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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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