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Sensors for Distributed Monitoring

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Message from the Guest Editors

Distributed monitoring has progressively gained in popularity given the growing need for continuous measurements of large structures or regions, e.g., cultivated fields, pipelines, tunnels, and viaducts.

There are basically two ways to perform distributed monitoring. The first is distributed sensing, which uses cable-like elements (e.g., optical fibers) sensitive at every point along their length. The second is distributed sensor networks, which use a large number of sensor nodes with wired or wireless communication to obtain the desired measurements.

This Special Issue is addressed to both types of distributed monitoring. A quality contribution should illustrate a particularly effective solution using one of the two methods and highlights the validity of the proposed methodology for general problems or for a specific application. The reason for preferring either method in the discussed case should be outlined.



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Special Issue



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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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