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Application of Satellite Communication in Network Sensing

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Message from the Guest Editors

Satellite Communications are constantly evolving and have become increasingly widespread in the last decade. New and emerging scenarios and use cases are integrating satellite networks for different purposes. Network Sensing is one of these purposes. Satellite Communication networks can be exploited to monitor the conditions of underlying networks and systems. Satellite networks, particularly the LEO mega-constellation with Inter-Satellite links, are suitable, due to their high coverage area and high availability. They are able to collect and forward large amounts of data from the monitored-system nodes (sensors, devices, etc.) to entities, aiming to store and manage these data.

This Special Issue of *Sensors* is dedicated to further improving the research on this field with innovative solutions from the communication protocols, network architecture, and data analysis and processing technique viewpoints.

- Satellite communication networks
- Network sensing
- Data collection through satellite networks
- Data communication solutions throughout satellite networks
- Data management and forward through satellite networks
- Data processing within satellite networks



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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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