

Special Issue

Wireless Underground Sensor Networks

Message from the Guest Editor

Wireless underground sensor networks (WUSN) have become very popular recently for various applications, such as agricultural monitoring and structural monitoring of underground infrastructures. This development is partially due to the rise of LoRa communication technology, which performs well enough in underground environments due to its low frequency spectrum. However, WUSN can also be implemented only partially underground, with forwarders and data mules being installed overground. This Special Issue aims to present the latest research in this area, covering novel applications, novel communication architectures and protocols, data management techniques for WUSNs, sensing and communication hardware platforms for WUSN, and surveys of the above. Applications of machine learning and other optimization algorithms to WUSNs are also highly appreciated. For more information, please click: mdpi.com/si/74334

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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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