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Advanced Technologies in Sensor Networks and Internet of Things

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Message from the Guest Editors

Dear Colleagues,

Recently, there has been a tremendous surge in applications based on Internet of Things (IoT), particularly wireless sensor networks. Many use cases such as intelligent transportation systems, industrial IoT, smart homes, smart agriculture, smart factories, internet of medical things, etc., are based on IoT. IoT is transforming the world into a smarter world, where everything and everyone are connected. However, there are some issues regarding energy constraint sensor devices, privacy and security, storage capabilities, network infrastructure, etc., which are hampering the adaptability of IoT in some applications. This Special Issue welcomes state-of-the-art research, both experimental and review papers, from the industry as well as from academics. The topics for this Special Issue include but are not limited to:

- Federated learning for privacy and security of IoT;
- Energy efficient IoT networks;
- 5G and beyond and 6G for IoT;
- Blockchain for IoT;
- Internet of medical things for healthcare 5.0;
- Digital twins for IoT;
- IoT for sustainable and smart agriculture;
- IoT for smart production/manufacturing;
- Handling big data for IoT based applications.



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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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