Special Issue

Advances in Wireless Ad-Hoc and Sensor Networks towards 6G

Message from the Guest Editors

The upcoming immersive 6G applications demand ultra-low latency data collection from Wireless Ad Hoc and Sensor Networks and for the fast processing of those data, possibly at the Edge of the network. Such requirements are hard to be met in the presence of billions of sensors and other (sometimes intermittently) connected devices in a variety of ambitious scenarios, ranging from Intelligent Transportation Systems (ITS), cognitive environments, and Extended Reality, to healthcare and Industrial Internet of Things (IIoT). Indeed, despite the high expectations, Wireless Ad Hoc and Sensor Networks are still challenged by energy, security, and communication issues. The recent advances in Artificial Intelligence (AI) technologies and the advent of future networking paradigms can represent a promising solution to guarantee the requirements of 6G applications while maintaining ad hoc and sensor devices operational for a long time. This Special Issue aims at collecting works targeting the recent advances in Wireless Ad Hoc and Sensor Networks to support future 6G applications and services. Original research and comprehensive reviews are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (25 May 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/153850

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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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