Special Issue

Futuristic Trends in Sensing Technologies of Digital Twin Systems

Message from the Guest Editors

Digital twins are intricate digital replicas of real-world systems that are connected to their corresponding real-world counterparts by sensors and other Internet of Things gadgets. It is one of most demanding areas of research, especially in the area of Industry 4.0. This Special Issue primarily aims to invite researchers from different domains of network and communication technologies at a single platform to submit their research ideas.

This Special Issue will cover the novel ideas from network technologies, algorithms, surveys, communication challenges, and future research aspects. The extended papers with 80% new content from the fifth version of Futuristic Trends in Computing and Communication may also be considered for submission.

Original unpublished articles on the following topics are invited for submission: digital twin sensors; digital twin in Industry 4.0/5.0; digital twins for network and computing technologies; IoT and fog-computing-enabled digital twin systems for sustainable industries and cities; futuristic digital twin technologies for digital healthcare and precision agriculture; security and privacy issues in digital-twin-enabled systems.

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Deadline for manuscript submissions

closed (30 December 2023)



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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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