Special Issue

AoI Analysis and AoI-Aware Mechanism for Wireless Sensor Networks

Message from the Guest Editor

In this Special Issue, the editor aims to present research on AoI-aware wireless sensor networks during the evolution of Internet of Things (IoT) applications to automate business processes and support human efficiency. This Special Issue will cover the implications of the AoI performance metric with existing performance measures of a wireless sensor network, and focus on the basic theory and key technologies of AoI-aware wireless sensor networks. The AoI-related needs/requirements of wireless sensor networks and the services that might address these needs will be a topic of interest. This Special Issue encourages authors from academia and industry to submit new research results related to AoI-aware mechanisms for wireless sensor networks. The topics include, but are not limited to, the following:

- AoI notation and its applications in wireless sensor networks
- AoI Analysis and the Achievable AoI Limit
- AoI-aware applications
- Technologies to be used:
  - Queuing theory
  - Optimization theory
  - Resource allocation and scheduling
  - And many more.

Guest Editor

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Deadline for manuscript submissions

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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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