

Special Issue

Intelligent Context-Aware Sensing Systems

Message from the Guest Editors

Intelligent context-aware sensing systems are able to extract and interpret contextual information, such as user patterns, activities, emotions, and environmental states, in order to understand situations and adapt their behavior accordingly. Context-awareness is crucial for the realization of intelligent Internet of Things (IoT), cyber-physical systems (CPS), and sensor network applications. To achieve intelligent data fusion in multisensor environments to understand dynamic contexts, methods for automatic learning and adaption need to be considered. The topics of this Special Issue interest include but are not limited to:

- Context-aware sensing for ubiquitous computing;
- Context-aware sensor networks;
- Context-aware mobile and edge devices;
- Context-aware CPS and IoT systems;
- Learning and adaptive context-aware systems;
- Applications of intelligent context-aware sensing, e.g., smart cities, healthcare, intelligent transportation systems, energy management, activity and emotion recognition.

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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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