Special Issue

Recent Advances in Wearable and Flexible Antennas and Sensors

Message from the Guest Editors

This Special Issue will focus on advances in research regarding wearable antennas and sensors, emphasizing their transformative roles in biomedical monitoring, environmental sensing, and human–machine interfaces. The scope of this Special Issue includes antenna designs for body-centric communications, sensor integration for monitoring physiological and environmental parameters, safety evaluations that address Specific Absorption Rate (SAR) and thermal effects, and the development of emerging materials and fabrication techniques. By addressing these areas, this Special Issue will capture both the foundational principles and state-of-the-art innovations that will define the future of wearable systems.

Topics of interest for this Special Issue include, but are not limited to, the following:

- Wearable antennas and sensors;
- Body-centric wireless devices;
- Flexible and stretchable electronics;
- Wireless power transfer for wearables;
- Specific Absorption Rate (SAR) and thermal safety;
- Smart textiles and e-textile integration;
- Miniaturized biomedical wearable sensors;
- Real-time data acquisition and telemetry;
- On-body and off-body communications.

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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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