Special Issue

Flexible Wearable Microwave Devices: Design and Applications

Message from the Guest Editors

Dear colleagues, Wireless body area networks (WBANs) provide a consistent interconnection between various body-centric devices for communication and sensing. Researchers are looking for flexible devices with high radiation efficiency, compact size, wide bandwidth, high gain, low complexity, and robust impedance matching requirements. These devices must be compatible with clothing with a consistent performance under bending and human proximity effects, which comply with specific absorption rate (SAR) restrictions. This Special Issue aims to publish novel ideas for fabrication and new methods to design microwave devices for wearable technology. In this Special Issue, original research articles and reviews are welcome. We request researchers, engineers, and scientists to contribute their peer review research which explains research gaps including, but not limited to:

- Wearable antennas and sensors for healthcare;
- Body area networks;
- Flexible antennas;
- Reconfigurable antennas;
- Fabrication technology for wearable microwave devices;
- Textile sensors;
- Stretchable microwave devices.

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Deadline for manuscript submissions

closed (15 February 2024)

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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