Special Issue

Wearable and Large Area Electronic Devices and Textiles: Design, Fabrication, and Application

Message from the Guest Editor

Wearable and extremely large-area electronic devices and textiles have gained much attention for smart wear, smart houses, and smart society. Wearable, large-area sensor devices have the advantages of monitoring people, livestock animals, and pets. Because of their large area, data can be taken from various parts of the body and are thus expected to have applications in health, sports, telemedicine, and other areas. The challenges are mechanical properties such as flexibility and stretchability to make devices wearable. In addition, unlike conventional semiconductors, large area devices with an area of several tens of centimeters must be made, so manufacturing technology to make devices using new sensor wiring technology and fiber technology is challenging. In this Special Issue, the design, manufacturing, and application of wearable, large-area devices and e-textiles are widely encouraged. Keywords: wearable; e-textile; large-area; fiber; weaving; printing; coating

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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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