Special Issue

Current Technologies of Textile Sensors

Message from the Guest Editor

Samrt textiles and flexible sensors have recently emerged as a new interest from both industry and academia. Textile materials are soft, malleable, and permeable, allowing for significant advances toward the development of wearable sensors made from fiber-based materials. The current textile sensors are made by invloving sensing materials into fibers, yarns or fabrics. The created sensors could detect different stumuli, such as temperature, mechanical deformation, humidity, and so on. The textile sensors have potential uses in diverse fields, such as healthcare, robotics, and human-machine interaction. To demonstrate the current technologies in this rapidly developing field, this special issue will present contributions from experts in the field. Potential topics include, but are not limited to:

- fiber/yarn/fabric sensors
- pressure/strain/temperature/or any types of sensors
- application of textile sensors,
- mechanicsm of textile sensors,
- flexible sensing networks

Guest Editor

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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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