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

Guest Editor:

Dr. Seiichi Takamatsu

Department of Precision Engineering, School of Engineering, The University of Tokyo, Bunkyo, Tokyo 113, Japan

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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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Special Issue



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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