

Special Issue

Flexible Pressure Sensors: From Design to Applications

Message from the Guest Editor

Since Smith invented the flexible pressure sensor in 1954, new designs, manufacturing methods and applications of flexible sensors have been emerging constantly in consumer electronics, healthcare fields, automotive industries, etc. Sensitivity and flexibility are the most important factors when evaluating the performance of sensors; therefore, flexible pressure sensors are becoming increasingly important in environmental monitoring, wearable devices, intelligent devices, medical and other fields because of the limitations of pressure sensors made from stiff materials. Enhancing sensor performance, expanding sensor arrays, and developing self-drive and human implantation technology are key directions in flexible pressure sensors to further adapt them to new challenges.

- flexible pressure sensors
- transduction mechanism
- wearable device
- E-skin
- sensor array
- carbon nanotechnology

If you want to learn more information or need any advice, you can contact the Special Issue Editor Jincy Jiao via directly.

Guest Editor

Dr. Liang He

Department of Electronic Engineering, Tsinghua University, Beijing
100084, China

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

Editor-in-Chief

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

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