

# Special Issue

## E-Skin Sensors

### Message from the Guest Editors

The human skin is the largest organ of the human body and mainly fulfils three functions: protecting the body from external aggressors, the thermoregulatory exchange of heat and moisture with the environment, as well as sensing. It contains mechanical and thermal sensors which register touch, pressure or temperature. Advances in materials science and electronics have allowed the development of electronic skin sensor arrays that are flexible and stretchable, but also robust in order to mimic as closely as possible the properties of the human skin. Such sensors need a high resolution and fast response time, and find their applications in robotics, prosthetics or health monitoring. We invite manuscripts for this Special Issue on all aspects of electronic skin sensors: development of flexible sensors and sensors arrays, integration with flexible circuits for signal processing and combination with wireless technology for data transfer.

- Flexible sensors
- Polymer-based sensors
- Stimuli-responsive polymers
- Soft robotics
- Health monitoring

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### Guest Editors

Prof. Dr. René M. Rossi

Dr. Luciano Boesel

Dr. Claudio Toncelli

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### Deadline for manuscript submissions

closed (30 October 2019)



## Sensors

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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