

Special Issue

Circuits and Systems for Wearables and Implants in Body Area Sensor Networks

Message from the Guest Editors

Wearable and implantable technologies have experienced rapid advancements in the last decade, demonstrating incredible potential to transform the current healthcare sector. It is often envisioned that next-generation wearables and implants will be equipped with interconnected distributed sensors and actuators, enabling closed-loop systems that can automatically perform tasks such as drug delivery and neuromodulation. This is creating increasing interest in the new paradigm of the "Internet of Bodies" (IoB), where a network of connected devices can acquire, process, and communicate personal health information and/or actuate required medication when needed. These devices can be worn (e.g., continuous glucose monitors, wearable biosensors, and smart watches), implanted (e.g., brain-machine interfaces, pacemakers), or even ingested (e.g., ingestible camera pills). This Special Issue aims to explore the latest developments and trends in the next generation of wearables and implants for the IoB, as well as their impact on healthcare, covering diagnostics in addition to assistive and therapeutic aspects.

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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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