

Special Issue

Advanced Interface Circuits for Sensor Systems (Volume II)

Message from the Guest Editors

Sensors are widely used in healthcare, automobiles, consumer electronics, industrial applications, and so forth. These industries expect high-quality and intelligent sensor circuits. In an era of digital technology, digital-aware or software-aware sensor circuits are a major design agenda. With the combination of artificial intelligence (AI) and the Internet-of-Things (IoT) as one of the driving forces, this has posed further design criteria and constraints to the interface circuits that aim to enhance the detection capability through the assistance of AI. It turns out that the interface circuits, which may be coupled with intelligent peripheral support circuits, can provide advanced features to meet high-performance-aware specifications or high-adaptability, etc., and, therefore, realize smart functions through smart program control. These design concerns impose design challenges and cause a paradigm shift in the design approach to designers or researchers in this emerging field. This Special Issue will publish papers that explore the potential solutions to tackle these issues. For more information, please see: mdpi.com/si/161768

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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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