



Advanced Interface Circuits for Sensor Systems

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Message from the Guest Editors

Sensors are widely used in healthcare, automobiles, consumer electronics, industrial applications, and so forth. With that demand, comes an expectation of high quality and intelligent sensor circuits. With the emergence of artificial intelligence (AI) Internet-of-Things (AI-IoT), 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, are to provide advanced features to meet high-performance-aware specifications or high-adaptability, etc. and, therefore, realize smart functions through smart program control. Potential topics of this special issue include, but are not limited to:

- High-performance interface circuits
- AI-IoT sensor circuit design and techniques
- Smart power management circuits for sensors
- Sensor circuits with configurable architectures
- Intelligent peripheral circuits for sensor circuits
- Software for sensor circuits
- Digital-assisted sensor circuits
- Data communication for sensor circuits





sensors



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Message from the Editor-in-Chief

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