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Advanced High-Performance Integrated Circuits for Sensing Technologies and IoT Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (15 July 2024)

Message from the Guest Editor

Dear Colleagues,

Today, sensing technologies and sensor-enabled devices are gaining attention, with a wide range of potential applications, ranging from internet of things (IoT), intelligent transportation systems (ITS) to personalized mobile healthcare. These tasks are mostly through wireless connections. Power dissipation, bandwidth efficiency, design flexibility, and scalability are important factors for these systems. However, there are still many challenges that must be addressed.

Topics of interest for this Special Issue include, but are not limited to, the following areas:

- Ultra-low power wireless communication circuits enabling IoT applications
- High efficient load modulation techniques and backscattering solutions
- Energy harvesting and power management solutions for IoT devices
- Integrated circuits with wireless power transfer capability
- Ultra-low power sensor readout circuits and systems
- High-performance heterogeneous solutions for emerging technologies
- Multi-sensor miniaturized circuits and systems

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Message from the Editor-in-Chief

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