# Special Issue

# Mixed Signal Integrated Circuit Design

## Message from the Guest Editors

As high-frequency operation, together with quality, and accuracy are of great importance in many integrated circuits, the need for combining analog and digital circuits on the same die became a necessity for integrated circuits. So, mixed signal circuits on the same die have gained much development during recent decades. Taking advantage of the high operating frequency of analog circuits with the high accuracy, high complexity, and low power consumption of digital circuits, mixed signal integrated circuits are exploited. The analog-to-digital converter is a typical application based on the combination of analog and digital circuits, though more topologies of mixed-signal circuits are used in communications, RF circuits, automotive, IoT circuits, sensor circuits, and others. Additionally, with the increasing demand for IoT devices, the development of more advanced mixed-signal circuits will continue to be an important area of research and further expand the scale of sensing, communication, and computation. The tight area and power budget in these applications will lead to a more careful and sophisticated design of mixed-signal circuits.

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## Deadline for manuscript submissions

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