

## 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.

### Guest Editors

Dr. George Souliotis

Department of Electrical and Computer Engineering, University of the Peloponnese, 263 34 Patras, Greece

Dr. Costas Laoudias

IoT Connectivity & Audio Business Unit, Renesas Electronics, 176 74 Athens, Greece

### Deadline for manuscript submissions

closed (15 September 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

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