



Analog IC Design—Analog and RF Interface for Electronic Systems

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Message from the Collection Editors

Dear Colleagues,

Analog interface circuits are integrated in almost all consumer, industrial, automotive, and medical devices with sensing capability, whereas RF interfaces enable device-to-device connections or connection to a local-area network or the internet. Even if nowadays, radio communication systems are mostly digital, they still need to be interfaced with antennas and, therefore, dedicated circuits such as low-noise amplifiers and RF power amplifiers are mandatory.

Special mention must be made of circuits used to link the analog and digital domains, such as the A/D and D/A converters, which have experienced impressive performance improvements in terms of speed, resolution, silicon area, and power consumption in recent decades.

In summary, the digital computation and storage capability embedded in electronic devices are strictly correlated with the world of analog and RF interfaces.

This Special Issue focuses on the analysis, design, and implementation of analog and RF interface circuits, integrated in CMOS or BiCMOS silicon technologies.





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Message from the Editor-in-Chief

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