



## CMOS Integrated Circuits Design

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### Message from the Guest Editors

Dear Colleagues,

CMOS integrated circuits have been an enabling technology for the modern information age. The increase in both transistor density and performances, driven by Moore's law, has been the leading factor in the technological advances of today's complex mixed-signal systems. CMOS technology exhibits advantages for both digital and analog circuits in terms of reduced dimensions of transistors, higher working frequencies, and lower fabrication costs. However, the increasing circuit complexity of scaled CMOS technologies comes with many design challenges. On the digital side, although both static and dynamic power decrease for a single logic gate, the higher speed of circuits leads to signal integrity issues. Technology scaling is detrimental to the power consumption of analog circuits. Indeed, in order to achieve a target dynamic range with a decreased supply voltage, higher bias currents must be used to counteract the thermal noise contribution.

This Special Issue aims to collect original research articles of recent advances in CMOS integrated circuits design in scaled technologies.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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