



## CMOS Smart Temperature Sensors

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Deadline for manuscript  
submissions:

**closed (30 May 2019)**

### Message from the Guest Editors

Dear Colleagues,

Temperature is a first class design concern in modern integrated circuits. The important increase in power densities associated to recent technology evolutions has led to the apparition of thermal gradients and hot spots during run time operation. Temperature impacts several circuit parameters such as speed, cooling budgets, reliability, power consumption, etc. All these effects result in a general worsening of the circuit reliability and wear out. In this context, the field of on-chip temperature monitoring has drawn the attention of the scientific community in the recent years and is the object of study of this special issue.

There is also a growing interest in using smart temperature sensors in hard-constrained applications. This is the case of biomedical devices, Internet of Things (IoT) nodes or wearables, that require temperature monitoring with reduced area and power consumption. [...]

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## Message from the Editor-in-Chief

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