

Special Issue

Circuit and System Design for Flexible and Printed Electronics

Message from the Guest Editor

Flexible and printed electronics are reshaping circuit and system design, fabrication, and deployment. By leveraging thin-film transistors, printed passive components, and additive manufacturing, this field enables low-cost, mechanically compliant, and sustainable solutions. Recent advances have shown that complex analog and mixed-signal circuits on oxide TFTs are closing the gap with silicon technologies, thereby expanding the potential applications. This Special Issue invites contributions on the design, modeling, and experimental demonstration of circuits and systems for flexible and printed electronics. Topics include energy-efficient circuits, sensor and communication interfaces, power management, harvesting, system integration, reliability under bending, variability-aware design, and manufacturability are also of significant interest. We aim to highlight how circuit and system design are driving the adoption of flexible electronics in real-world applications.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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