



Printed Electronics: Shaping the Future of Sensors with New Design and Fabrication Methods

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Message from the Guest Editors

Dear Colleagues,

Recent advances in printed and flexible electronics are highlighting their ever-growing potential. On the one hand, large-scale and high-speed mass production can be achieved with printing techniques, thus contributing to the development of very low-cost, disposable sensors. On the other hand, combining new materials such as carbon nanocomposites, conductive polymers, insulators, and doped semiconductive inks with biocompatible, ceramic, plastic, and paper substrates can cover a wide area of applications.

This Special Issue aims to collect recent research on printed electronics with emphasis on innovative devices. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Physical, chemical, optical, and mechanical sensors;
- Printed tags for security applications—physical unclonable functions;
- Biodegradable, implantable sensors and electrodes for biosensing;
- 2.5D/3D printed sensors;
- Micro-nano patterning techniques for printed sensors;
- Hybrid systems (combination of traditional and printed electronics):



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Special Issue

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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