Special Issue

Advances in Electronic Interfacing to Micro-/Nanofluidic Devices

Message from the Guest Editor

Over the last few decades, a variety of microfluidic and nanofluidic devices has been developed for a broad diversity in applications in, for example, chemistry, analysis and health/life sciences. Whereas a vast volume of literature is available to describe/explain the results as obtained with micro-/nanofluidic devices, including detailed explanations on design and fabrication aspects of such devices, literature containing specialized information on electronic interfacing and readout/control circuitry is very limited. This Special Issue aims to address electronic interfacing between a fluidic device with integrated electronic functionality and the macroworld: How is this accomplished for your fluidic device(s)? Contributors are challenged to describe their electronic interfacing, either being completely home-designed or (partly) based on commercial available tooling, including circuitry and used software. Sharing such engineering knowledge will help benefit and inspire others.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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