



Advances in Electronic Interfacing to Micro-/Nanofluidic Devices

Guest Editor:

Dr. Roald M. Tiggelaar

NanoLab Cleanroom, MESA+
Institute, University of Twente,
Drienerlolaan 5, 7500 AE
Enschede, The Netherlands

Deadline for manuscript
submissions:

15 September 2024

Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)