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

Dr. Roald M. Tiggelaar
NanoLab Cleanroom, MESA+ Institute, University of Twente, Drienerlolaan 5, 7500 AE Enschede, The Netherlands

Deadline for manuscript submissions

closed (15 September 2024)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/124357

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

MDPI

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).