



sensors



an Open Access Journal by MDPI

Micromechanical Flow Sensors for Microfluidic Applications

Guest Editors:

Prof. Dr. Remco J. Wiegierink

Integrated Devices and Systems
(IDS), University of Twente, PO
Box 217, 7500 AE Enschede, The
Netherlands

Prof. Dr. Joost Lötters

1. Integrated Devices and
Systems (IDS), University of
Twente, 7500 AE Enschede, The
Netherlands
2. Innovative Sensor
Technologies IST AG,
Stegritstrasse 14, CH-9642
Ebnat-Kappel, Switzerland

Deadline for manuscript
submissions:

closed (1 January 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, there has been a tremendous development towards fully integrated microfluidic systems. New devices not only show improved performance, but also result in a much higher level of integration that allows complete microfluidic systems to be implemented in a single chip or package. Integrated micromechanical flow sensors are key components in this development. Therefore, we are proud to announce this Special Issue entitled "Micromechanical Flow Sensors for Microfluidic Applications". The issue will bring together the most relevant work on state-of-the-art microfluidic flow sensing and its applications, including design and fabrication of the sensor chips, physical working principles, modeling, and simulation, and the measurement setups for characterization and calibration.

keywords:

- flow sensors
- microfluidic systems
- integrated flow sensing



mdpi.com/si/78980

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)