Special Issue

State-of-Art in Transient Electronics

Message from the Guest Editors

With the linear economy that prevails, our modern digital technologies continue to generate alarming quantities of electronic waste (e-waste). With the potential to profoundly transform the lifecycle of electronic systems, transient electronics might bring new solutions in order to switch to a more circular economy and to reduce the uncontrollable growing rate of e-waste. The ambition of this special issue is to provide a comprehensive collection to advance the current state-of-the-art in transient/biodegradable/"green" electronics. We invite you to contribute with original research papers and review articles. Submissions can span all aspects of the field: From materials that can serve as dissolvable substrates for electronics, to degradable core components (e.g., transistors, antennas, solar cells, batteries, etc.), to the system level (e.g., full degradable sensors or modules). All applicative contexts are also welcome (e.g., biomedical implants; sensors for agriculture, RF tags for food packaging, etc.).

Guest Editors

Dr. Denis Desmaële

Speed Research Group, Instituto de Microelectrónica de Barcelona, IMB-CNM (CSIC), Campus Universitat Autònoma de Barcelona (UAB), Cerdanyola del Vallès, 08193 Barcelona, Spain

Dr. Mehdi Boukallel

Sensory and Ambient Interfaces Laboratory, Ambient Intelligence and Interactive Systems Department, CEA LIST, 91191 Palaiseau, France

Deadline for manuscript submissions

closed (30 November 2021)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/71358

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

mdpi.com/journal/micromachines

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/journal/micromachines

About the Journal

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Ai-Qun Liu
1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

MDPI