



Hardware-Friendly Machine Learning and Its Applications, 2nd Edition

Guest Editor:

Dr. Arman Roohi

School of Computing, University
of Nebraska-Lincoln, Lincoln, NE
68588, USA

Deadline for manuscript
submissions:

closed (25 June 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to explore the potential of efficient machine learning, reveal emerging algorithms and design needs, and promote novel applications. It will also collect contributions on the advancement of methodologies and technologies for the design, evaluation, and optimization of software, hardware, and emerging applications representing the current solution to support the diverse computing scenarios in which machine learning is exploited.

Topics of interest include, but are not limited to, the following:

- New microarchitecture designs of hardware accelerators for ML;
- Sparse learning, feature extraction, and personalization;
- Deep learning with high speed and high power efficiency;
- Computing models and hardware architecture co-design for machine learning;
- New microarchitecture designs of hardware accelerators using emerging devices;
- Tools for the modeling, simulation, and synthesis of hardware accelerators
- ML acceleration for edge computing and IoT.





an Open Access Journal by MDPI

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

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.

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, PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://x.com/micromach_mdpi)