



Embedded Systems and Software for Deep Learning

Guest Editors:

Prof. Dr. Young-Jin Kim

ECE, Ajou University, Suwon-si
16499, Republic of Korea

Dr. Hyung-Gyu Lee

Department of Software,
Duksung Women's University,
Seoul 01369, Republic of Korea

Deadline for manuscript
submissions:

15 November 2024

Message from the Guest Editors

In recent years, deep learning has become popular in various applications, including AR/VR, games, computer vision, natural language processing, and so on. Especially, deep learning has been used as a major application for embedded systems such as smartphones and IoT systems.

The aim of this Special Issue is to excavate new meaningful manuscripts on advanced power- and energy-aware deep learning techniques for embedded systems. The key focus is to present some insights about hardware, compilers, OS, applications, models, etc., in order to achieve high power and energy saving with little performance loss while various deep learning applications run in embedded systems.

In this Special Issue, original research articles and reviews are welcome. Topics may include but are not limited to the following:

- Embedded systems/software/tools for deep learning;
- Optimizations for embedded deep learning;
- Code generation for embedded deep learning;
- Execution engine/OS support for embedded deep learning;
- Low-power and energy technologies for embedded deep learning;
- Deep learning, AR/VR, image processing acceleration techniques for embedded systems.





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, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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