

## Special Issue

# Hardware for Machine Learning

### Message from the Guest Editors

This Special Issue focusses on hardware and circuit design methods for machine learning applications. It will include invited papers that will cover a range of topics—the large-scale integration of CMOS mixed-signal integrated circuits and nanoscale emerging devices, to enable a new generation of integrated circuits and systems that can be applied to a wide range of machine learning problems; on-device learning; in-memory computing; neuromorphic deep learning, and system-level aspects of Edge-AI. The rationale of this Special Issue is to develop a compelling volume of research in the emerging field of neuromorphic and machine learning (ML) circuits and systems, and present advances in their individual studies in this area of growing importance. We believe that this topic is timely and compelling, as there is a growing need for training ML and artificial intelligence (AI) algorithms on low-power platforms that can potentially provide an orders-of-magnitude improvement in energy-efficiency, when compared to the present focus on graphics processing units (GPUs), field-programmable gate arrays (FPGAs), and digital application-specific integrated circuits (ASICs).

### Guest Editors

Dr. Aatmesh Shrivastava  
Dr. Vishal Saxena  
Dr. Xinfei Guo

### Deadline for manuscript submissions

closed (1 March 2022)



## Journal of Low Power Electronics and Applications

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Impact Factor 1.8  
CiteScore 4.3



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*Journal of Low Power  
Electronics and Applications*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jlpea@mdpi.com](mailto:jlpea@mdpi.com)

[mdpi.com/journal/  
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## About the Journal

### Message from the Editor-in-Chief

*Journal of Low Power Electronics and Applications* is an open access journal which provides an advanced forum for rapid dissemination of innovative research and important results in all aspects of low power electronics and design.

It publishes reviews, regular research papers and short communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. The full experimental details must be provided so that the results can be reproduced.

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### Editor-in-Chief

Dr. Davide Bertozzi

Reader in Advanced Processing Technologies, Department of  
Computer Science, University of Manchester, Manchester M13 9PL, UK

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

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