## Special Issue

## Energy Aware Scientific Computing in Distributed Architectures, Low Power Processors and HPC Hybrid Systems

### Message from the Guest Editor

Modern society is witnessing a sea change in ubiquitous computing, whereby people have embraced a slew of computing systems as indispensable parts of day-today existence. The computational, storage, and communication abilities of smartphones, for example, have undergone monumental changes in the past decade itself. With these changes, came a rapid and ongoing proliferation of edge computing systems and applications. Energy consumption is a growing problem of these computing platforms. There is a critical need for energy-aware architectures in many core systems, GPUs, hardware accelerators, and edge computing devices. This Special Issue will provide a selection of papers on energy-aware and low-power computing in system-on-chips, hardware accelerators, GPUs, embedded systems, or edge computing systems. Advances in algorithms for hardware systems design and novel architectures for low power are encouraged.

### **Guest Editor**

Prof. Dr. Sanghamitra Roy

Electrical and Computer Engineering, Utah State University, Logan, UT 84322-4120, USA

### Deadline for manuscript submissions

closed (28 February 2025)



# Journal of Low Power Electronics and Applications

an Open Access Journal by MDPI

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 ilbea@mdbi.com

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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.

#### **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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