Energy Efficiency in Edge Computing

Guest Editors:

Dr. Lee Gillam
Department of Computer Science, University of Surrey, Surrey GU2 7XH, UK

Dr. Zakarya Muhammad
Faculty of Computing and Information Technology, Sohar University, Sohar P.O. Box 44, Oman

Deadline for manuscript submissions:
closed (15 November 2023)

Message from the Guest Editors

The list of possible topics includes, but is not limited to, the following:

- Optimization of workload distribution;
- Intelligent power management;
- Leveraging of renewable energy;
- Energy-aware algorithms;
- Efficient network communication;
- Load balancing;
- Dynamic resource allocation;
- Serverless computing;
- Energy-aware scheduling;
- Data compression and aggregation;
- Edge–cloud integration;
- Resource placement and orchestration;
- Energy, performance, and cost-efficient IoT, edge, and cloud service offerings;
- Machine learning (**ML**) and artificial intelligence (**AI**) techniques and algorithms for intelligent computation over the edge infrastructure.

Special Issue

Editor-in-Chief

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

Message from the Editor-in-Chief

Journal of Low Power Electronics and Applications (ISSN 2079-9268) is an open access journal which provides an advanced forum for the studies of electronics for low power applications. A special emphasize is made on ultralow power bio-medical applications. 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. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.
Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.2 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2024).

Contact Us