## **Special Issue**

# Low-Power Computation at the Edge

## Message from the Guest Editors

The deployment of the Internet of Things (IoT) and the Industrial Internet of Things (IIoT) is generating new computing paradigms, as lots of small processing units are idle most of the time. As a first approach for taking advantage of all this processing potential, some of the computing required for processing data, acquired by these IoT nodes, has been moved to the nodes themselves, thus elevating so-called edge computing. In this context, it is interesting to explore the transfer of more computing tasks to the edge, emerging new distributed computing applications where the involved nodes are located at different places and interconnected by heterogeneous networks. For this type of applications, low-power processing units are required, such as hardware accelerators, hardwareimplemented neural networks, or even cryptoprocessors, to guarantee security of the data being processed at the edge. Topics of interest include but are not limited to:

- Design of low-power hardware accelerators for the edge:
- Design of low-power hardware-implemented neural networks;
- Cryptographic processors for secure edge computing.

#### **Guest Editors**

Prof. Dr. Luis Parrilla Roure

Prof. Dr. Antonio García

Prof. Dr. Encarnación Castillo

## Deadline for manuscript submissions

closed (15 December 2022)



# Journal of Low Power Electronics and Applications

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## **About the Journal**

## 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.

## Editor-in-Chief

## Dr. Davide Bertozzi

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