

Special Issue

Circuits and Systems Advances in Near Threshold Computing

Message from the Guest Editor

As a broad spectrum of applications shift to the edge of the network, near-threshold computing (NTC) is emerging as one of the promising low-power computing platforms. Despite showing a substantial promise of energy efficiency, NTC (gray silicon) operation is yet to see a wide-scale commercial adoption. The readers of this Special Issue will be able to familiarize themselves with the recent advances in electronics systems focusing on near-threshold computing.

- Design automation/algorithms for NTC circuits and systems;
- Architectural techniques for NTC;
- Reliability or variation aware design of NTC circuits and systems;
- Design of deep learning hardware for the edge at NTC;
- Security vulnerabilities at NTC and countermeasures;
- Recovering performance at NTC operation;
- Design techniques for hybrid STC and NTC architectures.

Guest Editor

Prof. Dr. Sanghamitra Roy

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

Deadline for manuscript submissions

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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

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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

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

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