Special Issue

Implantable Bio-Electronic Circuits and Systems

Message from the Guest Editor

Implantable integrated circuits have long been utilized in a variety of biomedical applications, such as pacemakers and coclear implants. These devices have had a significant success and impact on human health care. Future implants will have the more ambitious goals of observing brain activity, decoding the extracted neural information, and, ultimately, restoring disabled functionality to the body. These next generation implantable ICs, which will interface with the nervous system, will be extremely helpful in better understanding neural pathways and the etiology of neurological diseases. This special issue will focus on the design, testing, and application of bio-implantable ICs. Papers on IC design with application to brain recording and stimulation are particularly encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (22 September 2015)

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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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