



Implantable Bio-Electronic Circuits and Systems

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Deadline for manuscript
submissions:

closed (22 September 2015)

Message from the Guest Editor

Dear Colleagues,

Implantable integrated circuits have long been utilized in a variety of biomedical applications, such as pacemakers and cochlear 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.

Dr. Emre Salman

Guest Editor





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Message from the Editor-in-Chief

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