River Publishers

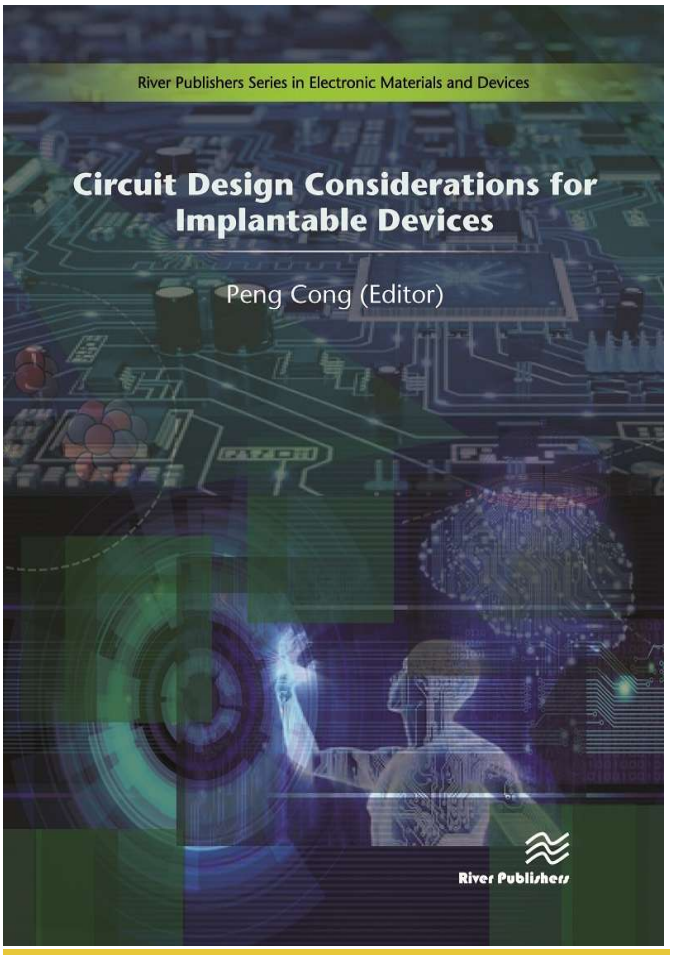
Circuit Design Considerations for Implantable Devices

Editor: Peng Cong, Verily Life Science, USA

Implantable devices are a unique area for circuit designers. A comprehensive understanding of design trade-offs at the system level is important to ensure device success. Circuit Design Considerations for Implantable Devices provides knowledge to CMOS circuit designers with limited biomedical background to understand design challenges and trade-offs for implantable devices, especially neural interfacing.

Technical topics discussed in the book include:

- Neural interface
- Neural sensing amplifiers
- Electrical stimulation
- Embedded Signal Analysis
- Wireless Power Transmission to mm-Sized Free-Floating Distributed Implants
- Next Generation Neural Interface Electronics



River Publishers Series in Electronic Materials, Circuits and Devices

ISBN: 9788793519862
e-ISBN: 9788793519855
Available From: January 2018
Price: € 85.00 $ 110.00

KEYWORDS:
Implantable medical device, neural interface, interface circuit design, electrical stimulation, neuromodulation, brain machine interface

www.riverpublishers.com
marketing@riverpublishers.com