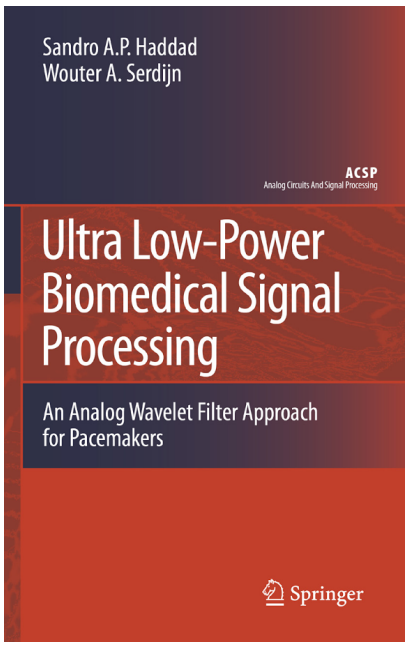

Ultra Low-Power Biomedical Signal Processing

Author : Sandro Augusto Pavlik Haddad Wouter A Serdijn / **Category :**Technology & Engineering / **Total Pages** : 215 pages

Summary : Free ultra low-power biomedical signal processing pdf download - often wt systems employ the discrete wavelet transform implemented on a digital signal processor however in ultra low-power applications such as biomedical implantable devices it is not suitable to implement the wt by means of digital circuitry due to the relatively high power consumption associated with the required a d converter low-power analog realization of the wavelet transform enables its application in vivo e g in pacemakers where the wavelet transform provides a means to extremely reliable cardiac signal detection in ultra low-power biomedical signal processing we present a novel method for implementing signal processing based on wt in an analog way the methodology presented focuses on the development of ultra low-power analog integrated circuits that implement the required signal processing taking into account the limitations imposed by an implantable device

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