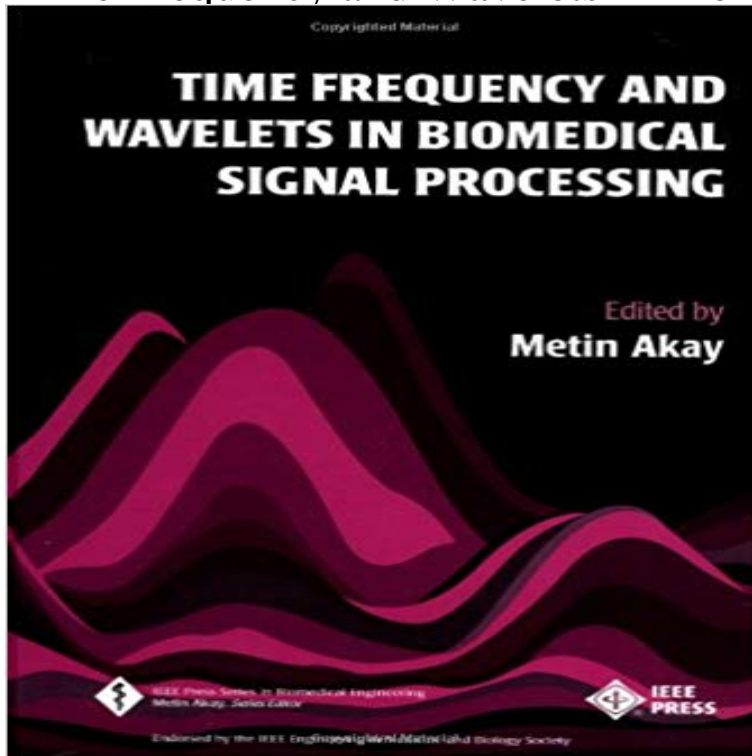


# Time Frequency and Wavelets in Biomedical Signal Processing



Brimming with top articles from experts in signal processing and biomedical engineering, *Time Frequency and Wavelets in Biomedical Signal Processing* introduces time-frequency, time-scale, wavelet transform methods, and their applications in biomedical signal processing. This edited volume incorporates the most recent developments in the field to illustrate thoroughly how the use of these time-frequency methods is currently improving the quality of medical diagnosis, including technologies for assessing pulmonary and respiratory conditions, EEGs, hearing aids, MRIs, mammograms, X rays, evoked potential signals analysis, neural networks applications, among other topics. *Time Frequency and Wavelets in Biomedical Signal Processing* will be of particular interest to signal processing engineers, biomedical engineers, and medical researchers. Topics covered include: Time-frequency analysis methods and biomedical applications Wavelets, wavelet packets, and matching pursuits and biomedical applications Wavelets and medical imaging Wavelets, neural networks, and fractals

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