eISBN: 978-1-60805-218-9

Recent Advances in Biomedical Signal Processing

Editors:

Juan Manuel Górriz
Spain

Elmar W. Lang
Germany

Javier Ramírez
Spain

Editors:
Juan Manuel Górriz
University of Granada
Spain

Elmar W. Lang
University of Regensburg
Germany

Javier Ramírez
University of Granada
Spain

Bentham e Books

**US$ 89.00 only**

eISBN: 978-1-60805-218-9

# Recent Advances in Biomedical Signal Processing

www.benthamscience.com/ebooks/9781608052189

## About the ebook

Acquisition and processing of biomedical signals has become more important to the physician. Analysis of signals accomplished by humans has many limitations, therefore, computer analysis of these signals could provide objective strength to diagnoses; however, the development of an algorithm for biomedical signal analysis is a significant challenge. This ebook covers biomedical signal processing as used in both therapeutic and diagnostic instrumentation.

## Contents

- Decomposition Techniques In Neuroscience

- Exploratory Matrix Factorization Techniques for Large Scale Biomedical Data Sets

- Subspace Techniques and Biomedical Time Series Analysis

- Empirical Mode Decomposition Techniques for Biomedical Time Series Analysis

- A Comparison between Univariate and Multivariate Supervised Learning for Classification of SPECT Images

- Functional Brain Image Preprocessing For Computer Aided Diagnosis Systems

- Functional Image Classification Techniques For Early Alzheimer's Disease Detection