



Iyad Obeid, Joseph Picone, Ivan Selesnick

Biomedical Sensing and Analysis

Signal Processing in Medicine and Biology

- Presents an interdisciplinary look at research trends in signal processing and biomedicine
- Promotes collaboration between healthcare practitioners and signal processing researchers
- Includes tutorials and examples of successful applications

This book provides an interdisciplinary look at emerging trends in signal processing and biomedicine found at the intersection of healthcare, engineering, and computer science. Bringing together expanded versions of selected papers presented at the 2020 IEEE Signal Processing in Medicine and Biology Symposium (IEEE SPMB), it examines the vital role signal processing plays in enabling a new generation of technology based on big data and looks at applications ranging from medical electronics to data mining of electronic medical records. Topics covered include analysis of medical images, machine learning, biomedical nanosensors, wireless technologies, and instrumentation and electrical stimulation.

Biomedical Sensing and Analysis: Signal Processing in Medicine and Biology presents tutorials and examples of successful applications, and will appeal to a wide range of professionals, researchers, and students interested in applications of signal processing, medicine, and biology.

Edition No: 1

2022. VII, 204 p. 78 illus., 71 illus. in color.

Printed Book

Hardcover

[ISBN 978-3-030-99382-5](#)

86.99 € | £ 74.99 | \$ 109.99

93.08 € (D) | 95.69 € (A) | CHF 103.00

eBook

[ISBN 978-3-030-99383-2](#)

66.99 € | £ 59.99 |

71.68 € (D) | CHF 82.00



Prices & other details are subject to change without notice. All errors and omissions excepted. £ and € are net prices, subject to local VAT. The €(D) / €(A) are gross prices and include German / Austrian VAT. CHF: recommended retail price including VAT. Americas: Tax will be added where applicable. Canadian residents, please add PST, QST and GST. The SpringerLink Shop offers free shipping for all print books to any country in the world. For enquiries contact customerservice@springernature.com.