



Springer

1st
edition1st ed. 2019, VIII, 437 p.
177 illus., 143 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-981-13-9112-5

\$ 179,99

Available

Discount group

Professional Books (2)

Product category

Contributed volume

Biomedicine : Biomedical Engineering/Biotechnology

Hu, Li, Zhang, Zhiguo (Eds.), Institute of Psychology, Chinese Academy of Sciences, Beijing, China

EEG Signal Processing and Feature Extraction

- Thoroughly discussing the concepts and methods in EEG signal processing and feature extraction
- Providing the cutting-edge developments in EEG analysis
- Illustrating the applications of the advanced techniques in various research fields
- With ample illustrations

This book presents the conceptual and mathematical basis and the implementation of both electroencephalogram (EEG) and EEG signal processing in a comprehensive, simple, and easy-to-understand manner. EEG records the electrical activity generated by the firing of neurons within human brain at the scalp. They are widely used in clinical neuroscience, psychology, and neural engineering, and a series of EEG signal-processing techniques have been developed. Intended for cognitive neuroscientists, psychologists and other interested readers, the book discusses a range of current mainstream EEG signal-processing and feature-extraction techniques in depth, and includes chapters on the principles and implementation strategies.

Order online at [springer.com/book sellers](https://www.springer.com/book sellers)**Springer Nature Customer Service Center LLC**

233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com



ISBN 978-981-13-9112-5 / BIC: MQW / SPRINGER NATURE: SCB24000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**