

Springer

1st  
edition1st ed. 2015, VI, 133 p. 47  
illus., 46 illus. in color.**Printed book**

Softcover

**Printed book**

Softcover

ISBN 978-3-319-25188-2

\$ 69,99

Available

**Discount group**

Professional Books (2)

**Product category**

Brief

**Series**SpringerBriefs in Electrical and Computer  
Engineering**Other renditions**

Softcover

ISBN 978-3-319-25189-9

**Computer Science : User Interfaces and Human Computer Interaction**

Guger, C., Müller-Putz, G., Allison, B. (Eds.)

# Brain-Computer Interface Research

**A State-of-the-Art Summary 4**

- Summarizes prize-winning BCI innovations
- Includes both cutting edge science and important medical advances
- Provides a snapshot of a rapidly progressing research field

This book describes ten of the most promising brain-computer-interface (BCI) projects to have emerged in recent years. BCI research is developing quickly, with many new ideas, research groups, and improved technologies. BCIs enable people to communicate just by thinking – without any movement at all. Several different groups have helped severely disabled users communicate with BCIs, and BCI technology is also being extended to facilitate recovery from stroke, epilepsy, and other conditions. Each year, hundreds of the top BCI scientists, engineers, doctors, and other visionaries compete for the most prestigious honor in the BCI research community: the annual BCI Award. The 2014 BCI Award competition was again competitive, with 69 research groups vying for a nomination. This book summarizes the 2014 BCI Award, including the ten projects that were nominated, the winner, and analyses and discussions of the submitted projects and how they reflect general trends in BCI development. Each of these ten groups provides a chapter summarizing their nominated project, including an introduction, description of methods, results, and newer work completed after the project was submitted. Hence, this book provides a cutting-edge overview of the newest BCI research trends, from top groups, in an easy to read format with numerous supporting pictures, graphs, and figures.

**Order online at [springer.com/booksellers](http://springer.com/booksellers)****Springer Nature Customer Service Center LLC**

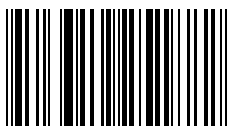
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)

ISBN 978-3-319-25188-2 / BIC: UYZG / SPRINGER NATURE: SCI18067

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**