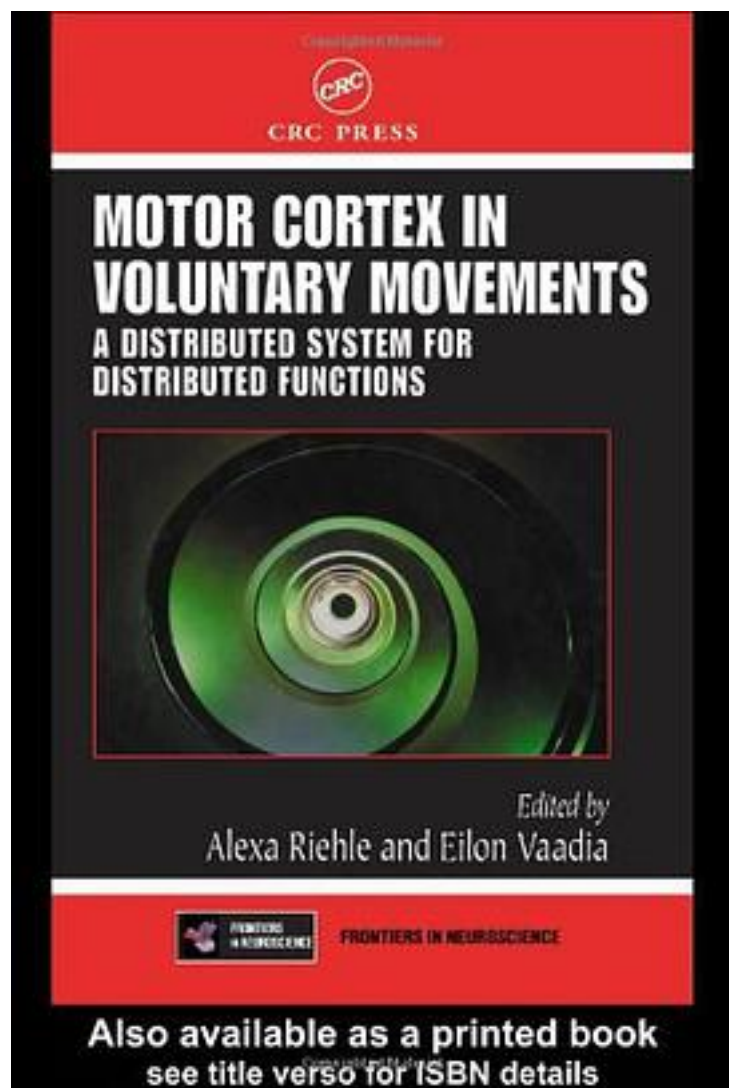


# Motor Cortex in Voluntary Movements



[Motor Cortex in Voluntary Movements\\_ 下载链接1](#)

著者:Riehle, Alexa (EDT)/ Vaadia, Eilon (EDT)

出版者:Taylor & Francis

出版时间:2005-12

装帧:HRD

isbn:9780849312878

As one of the first cortical areas to be explored experimentally, the motor cortex continues to be the focus of intense research. "Motor Cortex in Voluntary Movements: A Distributed System for Distributed Functions" presents the most current developments in motor cortex research, making it possible to understand and interpret neural activity and use it to reconstruct movements. Featuring new viewpoints based on contemporary monkey and human studies, this book focuses on how neuronal activity changes during learning, discusses what the motor cortex encodes for, and covers the neuronal representations of voluntary movements and the mechanism of their generation during learning. Section 1 uses functional neuroanatomy and imaging studies to describe motor cortical function, and Section 2 provides an overview of studies about neural representations in the motor cortex. The third section concentrates on motor learning, and the final section highlights the reconstruction of movements using brain activity. Revealing the most current research and many exciting applications of this rapidly expanding science, this book greatly enhances our understanding of the generation of motor commands. It is an essential resource for neuroscientists interested in motor function, rehabilitation medicine practitioners, and biomedical engineers.

作者介绍:

目录:

[Motor Cortex in Voluntary Movements\\_ 下载链接1](#)

标签

评论

-----  
[Motor Cortex in Voluntary Movements\\_ 下载链接1](#)

书评

-----

[Motor Cortex in Voluntary Movements\\_下载链接1](#)