



Exploring Frontiers of the Mind-Brain Relationship

Edited by

Alexander Moreira-Almeida, Federal University of Juiz de Fora - UFJF, Juiz de Fora, Brazil
Franklin Santana Santos, São Paulo University, São Paulo, Brazil

Traditionally, The conscious mind defines human existence. Many consider the brain as a computer, and they attempt to explain consciousness as emerging at a critical, but unspecified, threshold level of complex computation among neurons. The brain-as-computer model, however, fails to account for phenomenal experience and portrays consciousness as an impotent, after-the-fact epiphenomenon lacking causal power. And the brain-as-computer concept precludes even the remotest possibility of spirituality. As described throughout the history of humankind, seemingly spiritual mental phenomena, including transcendent states, near-death and out-of-body experiences, and past-life memories have recently been well documented and treated scientifically. In addition, the brain-as-computer approach has been challenged by advocates of quantum brain biology, who are possibly able to explain, scientifically, nonlocal, seemingly spiritual mental states.

Exploring Frontiers of the Mind-Brain Relationship argues against the purely physical analysis of consciousness and for a balanced psychobiological approach. This thought-provoking volume bridges philosophy of mind with science of mind to empirically examine transcendent phenomena, such as mystic states, near-death experiences and past-life memories, that have confounded scientists for decades. Representing disciplines ranging from philosophy and history to neuroimaging and physics, and boasting a panel of expert scientists and physicians, including Andrew Newberg, Peter Fenwick, Stuart Hameroff, Mario Beauregard, Deepak Chopra, and Chris Clarke the book rigorously follows several lines of inquiry into mind-brain controversies, challenging readers to form their own conclusions—or reconsider previous ones. It is essential reading for researchers and clinicians across many disciplines, including cognitive psychology, personality and social psychology, the neurosciences, neuropsychiatry, palliative care, philosophy, and quantum physics.

"This book ... brings together some precious observations about the fundamental mystery of the nature of consciousness ... It raises many questions that serve to invite each of us to be more aware of the uncertainty of our preconceptions about consciousness ... This book on the frontiers of mind-body relationships is a scholarly embodiment of creative and open-minded science."

- C. Robert Cloninger, MD, Wallace Renard Professor of Psychiatry, Genetics, and Psychology, Washington University School of Medicine, St. Louis MO

2012, XXIX, 243 p. 6 illus., 5 in color., Hardcover, ISBN 978-1-4614-0646-4

List Price ► \$ 129.00 Discount Price ► \$ 103.20

Yes, please send me ____ copies

Methods of Payment Check/Money Order enclosed AmEx MasterCard VISA

Card No.

Exp. Date

Please send orders to:

Outside the Americas:

Springer
Order Department
PO Box 2485
Secaucus, NJ 07096-2485
USA

Springer
Customer Service Center GmbH
Haberstrasse 7
69126 Heidelberg
Germany

► Call toll-free 1-800-SPRINGER
8:30 am – 5:30 pm ET
► Fax your order to (201) 348-4505
► Web springer.com
► Email orders-ny@springer.com

► Call: + 49 (0) 6221-345-4301
► Fax: +49 (0) 6221-345-4229
► Web: springer.com
► Email: orders-hd-individuals@springer.com

Name
Address
Street Address
(Sorry, we cannot deliver to P.O. boxes)
City / State / ZIP-Code
Country
Telephone / Email
Date ✕
Signature ✕



Springer's MyCopy: eBook Printed for Just \$24.95

A unique service that allows library patrons to order a personal, printed-on-demand softcover edition of an eBook for just EUR/USD 24.95!



The MyCopy offer is currently valid for more than **16,000 Springer eBooks published since 2005**. The new soft cover edition is branded as a MyCopy book with a color cover and black and white book content.

All books will be sold at the same price, **\$24.95 for customers in the US and Canada or € 24,95 in Europe**. Each price includes shipping and handling. Local VAT and Sales Tax will be added.

MyCopy books can only be ordered by registered patrons of libraries that have purchased one or multiple Springer eBook packages. The book will also need to be part of the purchased package(s). The entire ordering and shipping process will be handled by Springer in cooperation with a print-on-demand (POD) provider.

MyCopy Contact:

If you have questions, comments or suggestions about Springer's MyCopy service, please don't hesitate to contact us at: mycopy@springer.com

For More Information About MyCopy:

<http://www.springer.com/librarians/e-content/mycopy>