

MACQUARIE MONOGRAPHS IN COGNITIVE SCIENCE

The *Macquarie Monographs in Cognitive Science* series publishes original monographs dealing with any aspect of cognitive science. Each volume in the series covers a circumscribed topic and provides readers with a summary of the current state of the art in that field. A primary aim of volumes is also to advance research and knowledge in the field through discussion of new theoretical and experimental advances.

PUBLISHED TITLES

Routes to Reading Success and Failure: Toward an Integrative Cognitive Psychology of Atypical Reading, Nancy Ewald Jackson and Max Coltheart.

Cognitive Neuropsychological Approaches to Spoken Word Production, Lyndsey Nickels (Ed.).

Rehabilitation of Spoken Word Production in Aphasia, Lyndsey Nickels (Ed.).

Masked Priming: The State of the Art, Sachiko Kinoshita and Stephen J. Lupker (Eds.).

Individual Differences in Theory of Mind: Implications for Typical and Atypical Development, Betty Repacholi and Virginia Slaughter (Eds.).

From Mating to Mentality: Evaluating Evolutionary Psychology, Kim Sterelny and Julie Fitness (Eds.).

Speech Production: Models, Phonetic Processes, and Techniques, Jonathan Harrington and Marija Tabain (Eds.).

Cognitive Neuropsychology Twenty Years on, Max Coltheart and Alfonso Caramazza (Eds.).


Delusion and Self-Deception: Affective and Motivational Influences on Belief-Formation, Timothy Bayne and Jorge Fernández (Eds.).

Tutorials in Visual Cognition, Veronika Coltheart (Ed.).

Tutorials in Visual Cognition

edited by

Veronika Coltheart

 Psychology Press
Taylor & Francis Group
New York London

Psychology Press
Taylor & Francis Group
270 Madison Avenue
New York, NY 10016

Psychology Press
Taylor & Francis Group
27 Church Road
Hove, East Sussex BN3 2FA

© 2010 by Taylor and Francis Group, LLC
Psychology Press is an imprint of Taylor & Francis Group, an Informa business

Printed in the United States of America on acid-free paper
10 9 8 7 6 5 4 3 2 1

International Standard Book Number: 978-1-84872-853-0 (Hardback)

For permission to photocopy or use material electronically from this work, please access www.copyright.com (<http://www.copyright.com/>) or contact the Copyright Clearance Center, Inc. (CCC), 222 Rosewood Drive, Danvers, MA 01923, 978-750-8400. CCC is a not-for-profit organization that provides licenses and registration for a variety of users. For organizations that have been granted a photocopy license by the CCC, a separate system of payment has been arranged.

Trademark Notice: Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation without intent to infringe.

Library of Congress Cataloging-in-Publication Data

Tutorials in visual cognition / editor, Veronika Coltheart.
p. cm. -- (Macquarie monographs in cognitive science)
Based on presentations at a meeting held at the Macquarie Center for
Cognitive Science in Sydney, Australia.
Includes bibliographical references and index.
ISBN 978-1-84872-853-0 (hardcover : alk. paper)
1. Visual perception--Congresses. 2. Cognition--Congresses. I. Coltheart,
Veronika.

BF241.T868 2010
152.14--dc22
2009043480

Visit the Taylor & Francis Web site at
<http://www.taylorandfrancis.com>

and the Psychology Press Web site at
<http://www.psypress.com>

Contents

Contributors	vii
1 Introduction	1
<i>Veronika Coltheart</i>	
2 Iterative Reentrant Processing: A Conceptual Framework for Perception and Cognition (The Binding Problem? No Worries, Mate)	9
<i>Vincent Di Lollo</i>	
3 Dissecting Spatial Visual Attention	43
<i>William Prinzmetal and Ayelet N. Landau</i>	
4 Top-Down and Bottom-Up Control of Visual Selection: Controversies and Debate	67
<i>Jan Theeuwes and Artem Belopolsky</i>	
5 Getting Into Guided Search	93
<i>Jeremy M. Wolfe, Todd S. Horowitz, Evan M. Palmer, Kristin O. Michod, and Michael J. Van Wert</i>	
6 Eyeblinks and Cognition	121
<i>David E. Irwin and Laura E. Thomas</i>	
7 Visual Spatial Attention and Visual Short-Term Memory: Electromagnetic Explorations of the Mind	143
<i>Pierre Jolicœur, Roberto Dell'Acqua, Benoit Brisson, Nicolas Robitaille, Kevin Sawé, Émilie Leblanc, David Prime, Stéphan Crimault, René Marois, Paola Sessa, Christophe Grova, Jean-Marc Lina, and Anne-Sophie Dubarry</i>	
8 A Review of Repetition Blindness Phenomena and Theories	187
<i>Veronika Coltheart</i>	