

# **Advanced Issues on Cognitive Science and Semiotics**

**edited by**  
**Priscila Farias and João Queiroz**

Shaker Verlag  
Aachen 2006

**Bibliographic information published by the Deutsche Nationalbibliothek**

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

Design and typesetting (except cover and front pages) by Priscila L. Farias.

Copyright Shaker Verlag 2006

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publishers.

Printed in Germany.

ISBN-10: 3-8322-5612-1

ISBN-13: 978-3-8322-5612-8

Shaker Verlag GmbH • P.O. BOX 101818 • D-52018 Aachen

Phone: 0049/2407/9596-0 • Telefax: 0049/2407/9596-9

Internet: [www.shaker.de](http://www.shaker.de) • e-mail: [info@shaker.de](mailto:info@shaker.de)

# Contents

Preface	1
<b>1 A-life, organism and body: the semiotics of emergent levels</b>	<b>5</b>
Claus Emmeche	
<b>2 Semiosis and living membranes</b>	<b>19</b>
Jesper Hoffmeyer	
<b>3 Biosemiotics and the foundation of cybersemiotics</b>	<b>37</b>
Søren Brier	
<b>4 Information and direct perception: a new approach</b>	<b>59</b>
Anthony Chemero	
<b>5 Revisiting the dynamical hypothesis</b>	<b>73</b>
Tim van Gelder	
<b>6 The dynamical approach to cognition: inferences from language</b>	<b>93</b>
Robert F. Port	
<b>7 Models of abduction</b>	<b>123</b>
Paul Bourgine	
Contributors	139