The Embodied Self

Dimensions, Coherence and Disorders

Editors
Thomas Fuchs
Heribert C. Sattel
Peter Henningsen

Contributors
Tarik Bel-Bahar
Olaf Blanke
Hanne De Jaegher
Athena Demertzi
Alex Desiatnikov
Alessandro Farné
Peter Fonagy
Thomas Fuchs
Vittorio Gallese
György Gergely
Sanneke de Haan
Peter Henningsen
Mikolaj Hernik
Peter Hobson
Nicholas P. Holmes
Daniel D. Hutto
Orsolya Koós
Ágnes M. Kovács
Joel Krueger

Steven Laureys
Lorna Lees-Grossmann
Alex R. López-Rolón
Patrick Luyten
Thomas Metzinger
Josef Parnas
Andrea Raballo
Philippe Rochat
Gilles Rode
Yves Rossetti
Gerd Rudolf
Silvia Salerno
Louis A. Sass
Adrian J. T. Smith
Alena Streltsova
Ernő Téglás
John S. Watson
Rachel Wood
Dan Zahavi

With 16 figures and 15 tables

Schattauer
## Contents

### Part I

**Philosophy: What makes up a Self? Self Coherence and its Origins**

1. **Minimal Self and Narrative Self** ................................................................. 3  
   1.1 A Distinction in Need of Refinement ....................................................... 3  
      Dan Zahavi  
   1.2 **Comment: The Minimal Self is a Social Self** ........................................ 12  
      Sanneke de Haan  
   1.3 **Reply: ... Even in the Absence of Social Interaction?** ............................ 18  
      Dan Zahavi  
2. **Body Perception and Self-Consciousness** ................................................ 21  
   2.1 **Full-Body Illusions and Minimal Phenomenal Selfhood** ........................... 21  
      Olaf Blanke and Thomas Metzinger  
   2.2 **Comment: Minimal Conditions for the Simplest Form of Self-Consciousness** 35  
      Adrian J. T. Smith  
3. **Radical Enactivism and Narrative Practice** .............................................. 43  
   3.1 **Implications for Psychopathology** ....................................................... 43  
      Daniel D. Hutto  
   3.2 **Comment: Radical Enactivism and Inter-Corporeal Affectivity** ................. 66  
      Joel Krueger  
4. **Comment: A Common Ground Approach to Selfhood** ................................ 71  
      Lorna Lees-Grossmann
Part II

Neuroscience: Brain, Consciousness and Self

5 Neuroscientific Approach to Intersubjectivity ........................................... 77
5.1 Embodied Simulation and its Role in Intersubjectivity ............................... 77
Vittorio Gallese
5.2 Comment: Conscious Mirroring? ............................................................... 92
Athena Demertzi

6 Brain Function in Disorders of Consciousness ............................................ 95
6.1 Is There Anybody in There? ................................................................. 95
Steven Laureys and Athena Demertzi
6.2 Comment: Me in Here ................................................................................ 110
Rachel Wood

7 Cognitive and Bodily Selves ........................................................................ 117
7.1 How Do They Interact Following Brain Lesion? ............................... 117
Yves Rossetti, Nicholas P. Holmes, Gilles Rode and Alessandro Farné
7.2 Comment: A Network for Maintaining Self-Body Coherence ................. 134
Silvia Salerno

Part III

Developmental Psychology:
Is There a Self Without Selves?
Development of Self and Intersubjectivity

8 Contingency Perception ............................................................................... 141
8.1 Contingent Parental Reactivity in Early Socio-Emotional Development ...... 141
György Gergely, Orsolya Koós and John S. Watson
8.2 Comment: Explaining Early Social Interactions ..................................... 169
Ernő Téglás and Ágnes M. Kovács
8.3 Reply: Meaning, Subjectivity and Coordination ...................................... 173
Hanne De Jaegher and Thomas Fuchs
9 Me and Mine in Early Development ............................................. 175
Philippe Rochat

10 Autism: A Disorder in the Development of Self .......................... 183
Peter Hobson

11 Understanding Intersubjectivity:
Enactive and Embodied ......................................................... 203
11.1 Non-Representational Intersubjectivity ................................. 203
Thomas Fuchs and Hanne De Jaegher
11.2 Comment 1: Stay Cognitive! ................................................ 215
Mikołaj Hernik
11.3 Comment 2: Enaction versus Representation – an Opinion Piece .... 218
Hanne De Jaegher

Part IV

Psychiatry and Psychosomatic Medicine:
How to Treat a Self. Self Disorders and Their Therapy

12 Phenomenology of Self-Disorders ........................................... 227
12.1 The Spectrum of Schizophrenia .......................................... 227
Josef Parnas and Louis A. Sass
12.2 Comment: The Self in the Spectrum – Notes from a Borderland .... 245
Andrea Raballo

13 Mentalization and Structural Functioning:
Therapeutic Implications ....................................................... 251
13.1 The Impact of Structural Functioning for the Embodied Self ....... 251
Gerd Rudolf
13.2 Mentalization: Understanding Borderline Personality Disorder ...... 260
Peter Fonagy and Patrick Luyten
13.3 Comment 1: Wanted – Autochthonous BPD Neurocircuitry ......... 278
Tarik Bel-Bahar and Alex Desiatnikov
13.4 Comment 2: In Search of a Better Treatment for Fragmented Self .. 287
Alena Streltsova
14 Boundaries and Common Grounds: Aspects of Integration

14.1 Disordered Self: Any Chance for Therapeutic Integration?...

Peter Henningsen

14.2 Comment: Disorders of the Self – Multi- or Interdisciplinarity?

Alex R. López-Rolón

Glossary