Table of Contents

Preface: The Times Are Many by Carlo Rovelli --- V

Introduction by Alessandra Campo — XIII

Part One: Some Preliminary Questions

Étienne Klein

Who Is Entitled to Talk about Time? Philosophers or Physicists? — 3

Yuval Dolev

Einstein vs. Bergson, Scientism vs. Humanism — 15

Matteo Morganti

Is Time Unreal? --- 35

Part Two: Bergsonian Issues

Donatella Donati, Simone Gozzano
The Eternal Quarrel on Time — 55

Mauro Dorato

Some Contemporary Reflections on Bergson's Time and Free Will — 65

Paul-Antoine Miguel

Duration and Becoming in Bergson's Metaphysics -- 83

Elie During

Time as Form: Lessons from the Bergson-Einstein Dispute - 99

Alessandra Campo, Rocco Ronchi

Peter and Paul: a Ghost Story? --- 135

Pierre Montebello

The Test of Time: Human and Cosmic Time --- 165



Part Three: The Nature of Time, the Time of Nature

Eugenio Coccia

The Time of Physics --- 187

Christian Wüthrich

One Time, Two Times, or No Time? --- 209

Michel Weber

The Ontological Roots of Temporality — 231

Luca Vanzago

On the Notion of Processuality in Whitehead: Concrescence and Transition Correlated —— 251

Matthew D. Segall

Time and Experience in Physics and Philosophy: Whiteheadian Reflections on Bergson, Einstein, and Rovelli — 273

Part Four: Metaphysics, Logic, Neuroscience, Biology and Cosmology of Time

Claudio Calosi

No Time for (No) Change --- 301

lean-Claude Dumoncel

Between the Time of Physics and the Time of Metaphysics, the Time of Tense Logic? —— 331

Marc Wittmann, Carlos Montemayor

Reinterpreting the Einstein-Bergson Debate through Contemporary Neuroscience —— 349

Giuseppe Longo

Today's ecological relevance of Bergson-Einstein debate on time --- 375

Marco Bersanelli
The Age of the Universe —— 407

List of Contributors — 433

Index ---- 437