
CONTENTS

<i>List of Tables</i>	<i>xi</i>
<i>Foreword</i>	<i>xvii</i>
<i>Acknowledgments</i>	<i>xix</i>
<i>List of Abbreviations</i>	<i>xxi</i>

Part One: Introduction

Chapter One. Introduction—The Wonder of Creative Thinking	3
The Fashionable Nonsense on Creative Thinking.....	3
The Multiple Dimensions of Creativity	4
Creativity, Invention, and Innovation	5
The Theoretical Debate.....	6
The Comprehensive Theory of Creativity.....	12
Theory and Meta-Theory	13
The Logic of Existential Dialectics.....	13
Sophisticated Methodological Holism	33
Chapter Outline	39
Three Clarifications	40

Part Two: Invention

Chapter Two. Invention and Its Risk	109
The Exploration of Invention	109
Invention and the Mind.....	109
Invention and Nature.....	118
Invention and Society	129
Invention and Culture	146
The Uncertainty of Invention	163

Part Three: Innovation

Chapter Three. Innovation and Its Costs	175
The Transformation of Innovation	175
Innovation and the Mind	175
Innovation and Nature	182
Innovation and Society	195
Innovation and Culture	212
The Downsides of Innovation	229

Part Four: Conclusion

Chapter Four. Conclusion—The Future of Creative Thinking	241
The Twin Faces of Creative Thinking	241
1 st Thesis: The Convention-Novelty Principle	247
2 nd Thesis: The Absoluteness-Relativeness Principle	250
3 rd Thesis: The Simplesness-Complicatedness Principle	252
4 th Thesis: The Openness-Hiddenness Principle	253
5 th Thesis: The Symmetry-Asymmetry Principle	254
6 th Thesis: The Regression-Progression Principle	257
7 th Thesis: The Post-Human Turn	259
Beyond Convergent and Divergent Thinking	260

<i>Bibliography</i>	331
<i>Index</i>	341