

CONTENTS

Preface vii

Introduction Collective Intelligence as a Grand Challenge 1

Part I

What Is Collective Intelligence? 9

- 1 The Paradox of a Smart World 11**
- 2 The Nature of Collective Intelligence in Theory and Practice 14**

Part II

Making Sense of Collective Intelligence as Choice 33

- 3 The Functional Elements of Collective Intelligence 35**
- 4 The Infrastructures That Support Collective Intelligence 48**
- 5 The Organizing Principles of Collective Intelligence 60**
- 6 Learning Loops 70**
- 7 Cognitive Economics and Triggered Hierarchies 76**
- 8 The Autonomy of Intelligence 90**
- 9 The Collective in Collective Intelligence 99**
- 10 Self-Suspicion and Fighting the Enemies of Collective Intelligence 119**

Part III

Collective Intelligence in Everyday Life 129

- 11 Mind-Enhancing Meetings and Environments 131**
- 12 Problem Solving: How Cities and Governments Think 145**