CONTENTS

xi FOREWORD >Mark Burry
xiii PREFACE AND ACKNOWLEDGMENTS >Tom Verebes
1 INTRODUCTION >Tom Verebes

5 PART I >CONTEXT: ENDURANCE, OBSOLESCENCE, AND CHANGE—
A THEORETICAL FOUNDATION
7 CHAPTER 1 >THE CITY AS CULTURAL AND TECHNOLOGICAL EXPRESSION
>Tom Verebes
7 1.1 Globalization and Networks
13 1.2 The Edge of Chaos
15 1.3 The Associative Logic of Urbanism
20 CHAPTER 2 >PROJECTIVE ARCHITECTURES: THE QUESTION OF BORDERS
IN A CONNECTED WORLD >Marina Lathouri
23 CHAPTER 3 >CONVERSATION 1 >Dana Cuff with Tom Verebes
28 CHAPTER 4 >THE NEW NEW >Tom Verebes
28 4.1 Ancient China and The New
30 4.2 Urban Europe: A Brief History of Its Industrialization and Planning
34 4.3 The Paradigm of the New World Instant City
36 4.4 The Dubai Mirage
40 CHAPTER 5 >INFORMAL CITY: DESIGN AS POLITICAL ENGAGEMENT >
Jorge Fiori
48 CHAPTER 6 >CONVERSATION 2 >Xu Weiguo, Xu Feng and Gao Yan
54 CHAPTER 7 >URBANIZATION AND ERASURE >Tom Verebes
54 7.1 The Trouble with Speed Freaks
57 7.2 Ghosts of the Past
60 7.3 An Ecological Model for Twenty-First Century Urbanism
62 7.4 The Problem of Functionality, Endurance, and Obsolescence
64 7.5 Time, Change, and Adaptation
68 CHAPTER 8 >PUBLIC SPHERES: ATMOSPHERE AND ADAPTABLE SPACE
IN HONG KONG >Jonathan D. Solomon
69 Something in the Air
71 Hong Kong’s Public-Sphere
73 The City as Natural Artifice
75 CHAPTER 9 >CONVERSATION 3 >Matthew Pryor with Tom Verebes
80 CASE STUDY >QIANHAI MASTERPLAN, SHENZEN, CHINA >James Corner
Field Operations
82 CASE STUDY >FLOWING GARDENS, INTERNATIONAL HORTICULTURAL EXPO,
XI’AN, CHINA >Plasma Studio
# CONTENTS

## PART I: CONCEPTS/PARADIGMS: NEW PARADIGMS AND PRACTICES IN URBANISM

### CHAPTER 10: THE DEATH OF MASTERPLANNING IN THE AGE OF INDETERMINACY

1. Planning and/or Emergence
2. Teleological Fallacies of the Masterplanner
3. Principles of Uncertainty: Planning after the Global Financial Crisis
4. Complex systems, Equilibrium, and Emergence
5. Parametric Patterns and Models of Evolutionary Urbanism

### CHAPTER 11: FREE-MARKET URBANISM: URBANISM BEYOND PLANNING

### CHAPTER 12: CONVERSATION 4: Tom Barker and Tom Verebes

### CASE STUDY 1: ONE NORTH SINGAPORE SCIENCE HUB, SINGAPORE

### CASE STUDY 2: URBAN CHINA RESEARCH

### CASE STUDY 3: KAI LI ETHNIC CULTURAL COMPOUND, GUIZHOU, CHINA

## PART II: METHODOLOGIES: TOOLS AND MOVING TARGETS

### CHAPTER 13: A NEW TOOLBOX FOR ADAPTABLE MASTERPLANNING

1. Models as Information
2. Parameter Space, Solution Space, Urban Space
3. Simulation and Gaming Environments as Management Systems

### CHAPTER 14: MORPHOGENETIC URBANISM: TOWARD A MATERIALIST APPROACH TO MASTERPLANNING

1. The Aggregated Figure
2. The Ground as Matter

### CHAPTER 15: PARAMETRIC URBANISM REDUX: URBAN DESIGN AND COMPLEXITY IN AN AGE OF INFINITE COMPUTING

### CHAPTER 17: CONVERSATION 5: Su Yunsheng with Tom Verebes
CONTENTS

198 CASE STUDY > YAN JIAO HUA RUN 4D CITY, HEBEI PROVINCE, CHINA > dotA and OCEAN CN
205 CASE STUDY > MICA URBAN PICTURESQUE, GENEVA, SWITZERLAND > Group8 Architects and Kaisersrot
209 CASE STUDY > THE MEGABLOCK AND ITS POPULATED FIELD, AND THE AGGREGATION OF STREETS > Peter Trummer, Associative Design Program, Berlage Institute
214 CASE STUDY > ENDURANCE AND OBSOLESCENCE TOOLBOX: STUDIES OF ADAPTABLE MASTERPLANNING > The University of Hong Kong

PART IV > PROJECTIONS: PROTOTYPING MULTIPLE FUTURES

223 CHAPTER 18 > ENDURANCE, OBSOLESCENCE, AND THE ADAPTIVE CITY > Tom Verebes
223 18.1 New Prototypical Practices
226 18.2 Typological Variants and Topological Transformations
230 18.3 Icons and Innovation
232 18.4 Control, Resilience, and Change
237 CASE STUDY > DEEP GROUND: REGENERATION MASTER PLAN FOR LONGGANG CENTER AND LONGCHENG SQUARE, SHENZHEN, CHINA > Groundlab
241 CASE STUDY > XIN TIAN DI FACTORY H, HANGZHOU, CHINA > Serie Architects
245 CASE STUDY > REGENERATION OF PHOENIX SHOPPING STREET, BEIJING, CHINA > XWG Studio
249 CASE STUDY > OROOS MUSEUM, ORDOS, INNER MONGOLIA, CHINA > MAD
253 CASE STUDY > LIANTANG/HEUNG Yuen Wai Boundary Control Point Passenger Terminal Building, Hong Kong SAR/Shenzhen, China > Hong Kong Parametric Design Association, dotA and OCEAN CN
256 CASE STUDY > COUNTERPART CITIES: FUTUREPORT, HONG KONG SAR, SHENZHEN, CHINA > The University of Hong Kong Research Team, Led by Tom Verebes
266 CHAPTER 19 > CONVERSATION 6 > Brett Steele with Tom Verebes
273 CONCLUSION > Tom Verebes
275 BIBLIOGRAPHY
283 NOTES ON CONTRIBUTORS
291 INDEX