## **Table of contents**

- Preface (p. xi)
- Acknowledgments (p. xiii)
- Chapter 1 Introduction (p. 1)
- 1.1 Knowledge in Landscape Architecture (p. 1)
- **1.2 The Need for a Guide** (p. 2)
- 1.3 The Gatekeeping Dilemma in Context (p. 4)
- **1.4 Mapping the Terrain** (p. 7)
- 1.5 Building a Research-Based Discipline (p. 13)
- **References** (p. 15)
- Chapter 2 Knowing Landscape Architecture (p. 17)
- **2.1 Introduction** (p. 17)
- 2.2 The Nature of Professional Disciplines (p. 17)
- 2.3 Domains of Knowledge in Landscape Architecture (p. 20)
- 2.4 Research Needs (p. 26)
- References (p. 29)
- Chapter 3 Theory/Research/Scholarship/Critique (p. 30)
- **3.1 Introduction** (p. 30)
- 3.2 Competing Ideals of Theory (p. 31)
- **3.3 Representing Theory** (p. 34)
- **3.4 Theoretical Conversations** (p. 35)
- 3.5 Research and Scholarship (p. 37)
- 3.6 Studio Design as a Research Setting (p. 40)
- **3.7 Theory and Critique** (p. 42)
- **3.8 Conclusion** (p. 43)
- References (p. 44)
- Chapter 4 Integrating Design and Research (p. 48)
- **4.1 Introduction** (p. 48)
- **4.2 Problems and Purpose** (p. 48)
- 4.3 Framing a Research Question (p. 52)
- 4.4 Degrees of Research (p. 53)
- 4.5 Assessing Research Quality (p. 56)
- 4.6 A Developmental Heuristic (p. 58)
- **References** (p. 63)
- Chapter 5 Descriptive Strategies (p. 65)
- **5.1 Introduction** (p. 65)
- **5.2 Observation** (p. 66)
- **5.3 Secondary Description** (p. 71)
- 5.4 Descriptive Social Surveys (p. 72)
- 5.5 Complex Description (p. 77)
- 5.6 Descriptive Case Studies (p. 79)
- Descriptive Strategies: Summary (p. 85)
- **References** (p. 85)
- Chapter 6 Modeling and Correlational Strategies (p. 87)
- **6.1 Introduction** (p. 87)

- 6.2 Descriptive/Synthetic Models (p. 89)
- 6.3 Analytical Models and Correlation (p. 90)
- 6.4 Simple Correlation (p. 93)
- **6.5 Multiple Correlations** (p. 96)
- **6.6 Spatial Correlations** (p. 98)
- 6.7 Predictive Modeling (p. 101)
- 6.8 Dynamic Simulation Modeling (p. 103)
- Modeling Strategies: Summary (p. 110)
- **References** (p. 112)
- Chapter 7 Experimental Strategies (p. 114)
- **7.1 Introduction** (p. 114)
- 7.2 Classic Experiments (p. 116)
- 7.3 Field Experiments (p. 119)
- 7.4 Quasi Experiments (p. 119)
- 7.5 The Metaphor of Experimentation (p. 122)
- Experimental Strategies: Summary (p. 124)
- **References** (p. 124)
- Chapter 8 Classification Schemes (p. 126)
- **8.1 Introduction** (p. 126)
- 8.2 Collection/Inventory/Catalogue (p. 128)
- **8.3 Typology** (p. 133)
- **8.4 Taxonomy** (p. 136)
- **8.5 Index** (p. 140)
- 8.6 Bibliography and Literature Review (p. 144)
- Classification Strategies: Summary (p. 149)
- **References** (p. 149)
- Chapter 9 Interpretive Strategies (p. 152)
- **9.1 Introduction** (p. 152)
- **9.2 Ethnography** (p. 153)
- 9.3 Discourse Analysis (p. 161)
- 9.4 Iconology and Iconography (p. 164)
- 9.5 Historiography (p. 165)
- Interpretive Strategies: Summary (p. 169)
- **References** (p. 172)
- Chapter 10 Evaluation and Diagnosis (p. 174)
- **10.1 Introduction** (p. 174)
- 10.2 Parameters, Norms, and Rubrics (p. 175)
- **10.3 Design Evaluation** (p. 179)
- **10.4 Diagnostics** (p. 181)
- 10.5 Landscape Assessment (p. 184)
- Evaluation and Diagnosis Strategies: Summary (p. 187)
- **References** (p. 190)
- Chapter 11 Engaged Action Research (p. 192)
- **11.1 Introduction** (p. 192)
- 11.2 Action Dimensions in Pedagogical Research (p. 194)
- 11.3 Participatory Design in Service Learning (p. 197)

- 11.4 Participatory Action Research (PAR) (p. 200)
- 11.5 Transdisciplinary Action Research (TDAR) (p. 202)
- Engaged Action Research Strategies: Summary (p. 203)
- **References** (p. 204)
- Chapter 12 Projective Design (p. 205)
- **12.1 Design as Research** (p. 205)
- **12.2 Design Operations** (p. 209)
- 12.3 Design Interpretations (p. 215)
- **12.4 Design Reflections** (p. 217)
- Projective Design Strategies: Summary (p. 221)
- **References** (p. 221)
- Chapter 13 Logical Systems (Axioms, Rules, and Argumentation) (p. 223)
- **13.1 Introduction** (p. 223)
- **13.2 Logical Relationships** (p. 224)
- **13.3 Synthetic Logic** (p. 227)
- 13.4 Expanded Field Analysis (p. 228)
- 13.5 Spatial Syntax as Logical System (p. 229)
- **13.6 Pattern Language** (p. 231)
- Logical Systems: Summary (p. 234)
- **References** (p. 235)
- Chapter 14 Research and Practice (p. 237)
- **14.1 Introduction** (p. 237)
- 14.2 Integrating Research Strategies into Practice-Evidence-Based Design (p. 239)
- 14.3 Integrating Research into Practice-Polemical Transformation (p. 240)
- 14.4 Integrating Knowledge into Practice-Grassroots Movements (p. 241)
- 14.5 Organizing Practice-Based Research (p. 242)
- **14.6 Reprise** (p. 246)
- **References** (p. 247)
- Index (p. 249)