# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreword</td>
<td>vii</td>
</tr>
<tr>
<td>Preface</td>
<td>xi</td>
</tr>
<tr>
<td>Acknowledgements</td>
<td>xiii</td>
</tr>
<tr>
<td>Contributors</td>
<td>xix</td>
</tr>
<tr>
<td>Part I Introduction</td>
<td></td>
</tr>
<tr>
<td>1 From Linear Delivery Process to Life Cycle Phases: The Validity of the Concept of Building Performance Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>Wolfgang F.E. Preiser, Andrea E. Hardy and Ulrich Schramm</td>
<td></td>
</tr>
<tr>
<td>Part II Frontiers of Building Evaluation</td>
<td></td>
</tr>
<tr>
<td>2 From POE to BPE: The Next Era</td>
<td>21</td>
</tr>
<tr>
<td>Nigel Oseland</td>
<td></td>
</tr>
<tr>
<td>3 Critical Frameworks for Building Evaluation: User Satisfaction, Environmental Measurements and the Technical Attributes of Building Systems (POE + M)</td>
<td>29</td>
</tr>
<tr>
<td>Vivian Loftness, Volker Hartkopf, Azizan Aziz, Joon-Ho Choi and Jihyun Park</td>
<td></td>
</tr>
<tr>
<td>4 Informed Design: A Post-Occupancy Evaluation Toolkit for Courthouses</td>
<td>49</td>
</tr>
<tr>
<td>Erin Persky, Jay Farbstein and Melissa Farling</td>
<td></td>
</tr>
</tbody>
</table>
5 Synthetic Populations of Building Office Occupants and Behaviors ............................................. 63
   Jennifer A. Senick, Clinton J. Andrews, Handi Chandra Putra, Ioanna Tsoulou and MaryAnn Sorensen Allacci

6 From Pre- to Post-occupancy Evaluations: Acceptance of Intelligent Building Technologies ................. 73
   Ulrich Schramm, Sybille Reichart and Dominic Becking

7 Evaluating the Built Environment from the Users’ Perspective: Implications of Attitudinal Models of Satisfaction .......... 87
   Guido Francescato, Sue Weidemann and James R. Anderson

8 Towards a Hospital Activation Process Model ............................................. 99
   Wolfgang F.E. Preiser, John P. Petronis, John W. Petronis and Lexi Petronis

Part III Advances in Evaluation Knowledge
   Preamble by Martin Hodulak

9 Merging Tradition and Innovation: Programming New Workplaces for Tradition-Steeped Companies ............. 117
   Martin Hodulak

10 Building-In-Use Assessment: Foundation of Workspace Psychology ............................................. 129
    Jacqueline C. Vischer

11 Evaluating Workplace Constructs Using Computerized Techniques of Space Syntax .......................... 141
    Linda N. Nubani

12 Social Interactions in Work Environments: Expanding Building Evaluation ............................................. 155
    Mille Sylvest

13 Making POE Work in an Organization ............................................. 173
    Duncan Joiner

14 POE for Organizations with a Repetitive Building Type ............................................. 183
    Thierry Rosenheck

15 US Army Command Headquarters: Evaluating Existing Buildings to Set Design Requirements ................. 193
    Greg Allen Barker
Part IV Advances in Evaluation Methods
   Preamble by Ihab M.K. Elzeyadi

16 A Comparative Analysis of Predictive and Actual Performance of High Performance LEED™ Buildings ......................... 209
   Ihab M.K. Elzeyadi

17 Post-Occupancy Evaluation: Research Paradigm or Diagnostic Tool ........................................ 223
   Franklin Becker

18 Towards Wellbeing: Hospital Evaluation Using the Problem-Seeking Method ................................. 231
   Steven Parshall and Sofia Fonseca

19 Evaluating Changes in Sustainability Culture: A Model for Universities and Other Organizations ..................... 249
   Robert W. Marans and John Callewaert

20 Mind the Gap: Studying Actual Versus Predicted Performance of Green Buildings in Canada ......................... 261
   Shauna Mallory-Hill and Mark Gorgolewski

21 The College and University Campus: Facility Assessments for Long Term Decision Making ......................... 275
   Brodie Bain

   Akikazu Kato, Shiho Mori and Masayuki Kato

23 Feeding the Knowledge Forward: Advancements in Post-Occupancy Evaluation Application Through Collaboration ......................... 295
   Lindsey L. Fay

Part V Epilogue

24 Epilogue: From Building Evaluation to Building Performance Evaluation and Beyond ................................. 309
   Jacqueline C. Vischer

Index ................................. 317
Building Performance Evaluation
From Delivery Process to Life Cycle Phases
Preiser, W.; Hardy, A.E.; Schramm, U. (Eds.)
2018, XX, 318 p. 103 illus., Hardcover
ISBN: 978-3-319-56861-4