Contents

Foreword ................................................................. vii
Preface ................................................................. xi
Acknowledgements ............................................... xiii
Contributors ........................................................ xix

Part I Introduction
1 From Linear Delivery Process to Life Cycle Phases: 
   The Validity of the Concept of Building 
   Performance Evaluation ........................................... 3 
   Wolfgang F.E. Preiser, Andrea E. Hardy and Ulrich Schramm

Part II Frontiers of Building Evaluation
   Preamble by Nigel Oseland

2 From POE to BPE: The Next Era ................................. 21 
   Nigel Oseland

3 Critical Frameworks for Building Evaluation:
   User Satisfaction, Environmental Measurements 
   and the Technical Attributes of Building Systems (POE + M) .... 29 
   Vivian Loftness, Volker Hartkopf, Azizan Aziz, Joon-Ho Choi 
   and Jihyun Park

4 Informed Design: A Post-Occupancy Evaluation Toolkit 
   for Courthouses ...................................................... 49 
   Erin Persky, Jay Farbstein and Melissa Farling
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