

Experts introducing diverse methods of assessing building performance, illustrated with case studies from around the world

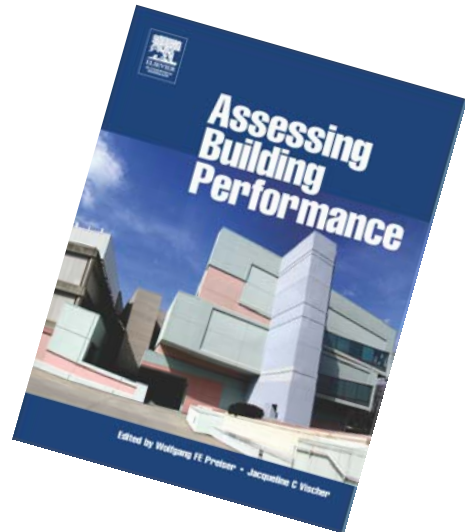
NOW AVAILABLE

Assessing Building Performance

Edited by **Wolfgang F E Preiser**
University of Cincinnati, Ohio, USA
Jacqueline C Vischer
University of Montreal, Canada

**0750661747 : Paperback : 256 pages : 100 illustrations : 2005
: £34.99 / \$ 49,95**

- **Global perspective – written by top experts from all over the world including USA, UK, Canada, Germany, Brazil, Israel, Netherlands, Japan & China**
- **Case Studies put latest techniques into action giving you the tools you need to assess buildings**
- **Based on years of collaboration by the International Building Performance Evaluation (IBPE) consortium**



Across the world there is a trend towards performance-based programming, design and management of facilities. Building professionals and facility managers are taking a more systematic approach to designing and monitoring building performance, aiming to keep down costs, reduce energy usage and making the best of building systems. This book will introduce readers to methods of assessing building performance, illustrated with case studies from around the world. The key knowledge and skills necessary to carry out building performance assessment have been brought together in a single volume, in a book with an international perspective and relevant to a range of cultural contexts.

TABLE OF CONTENTS: Foreword by Frank Duffy, DEGW, London, UK; Part I: Introduction and Overview - 1) The Evolution of Building Performance Evaluation (Editors); 2) **A Conceptual Framework for Building Performance Evaluation (Preiser, and Ulrich Schramm, Fachhochschule Bielefeld, Germany);** Part II: Performance Assessments in the 6-Phase Building Delivery and Life Cycle - 3) **Phase I: Strategic Planning - Effectiveness Review (Schramm);** 4) Phase II: Programming -- Program Review (Alexi Marmot, Joanna Eley and Stephen Bradley, AMA Associates, London, UK); 5) Phase III: Design -- Design Review (Vischer); 6) Phase IV: Construction – Commissioning (Michael J. Holtz, AEC Inc, Boulder, CO, USA); 7) Phase V Occupancy -- Post-Occupancy Evaluation (Bill Bordass, William Bordass Associates, and Adrian Leaman, Building Use Studies, London, UK); 8) Phase VI: Adaptive Re-Use/Recycling - Market/Needs Assessment (Danny S.S. Then, The Hong Kong Polytechnic University, China); Part III: Case Studies - 9) Benchmarking the 'Sustainability' of a Building Project (Sue Roaf, Oxford Brookes University, UK); 10) ASTM Methodology and Case Study (Francoise Szigeti and Gerald Davis, International Centre for Facilities, Ottawa, Canada); 11) Assessing the Performance 'Offices of the Future' (Rotraut Walden, Universität Koblenz, Germany); 12) High-Tech Office Building Evaluation in Brazil (Sheila Ornstein, Claudia Andrade and Brenda Leite, University of Sao Paulo, Brazil); 13) Organizational Lessons From a Government Building Evaluation in Israel (Ahuva Windsor, Colman College of Management, Rishon Lezion, Israel); 14) Building Performance Evaluation in Japan (Akikazu Kato and Pieter Le Roux, Toyohashi University of Technology, and Kazuhisa Tsunekawa, Nagoya University, Japan); 15) Technological and Management Innovation in Offices in The Netherlands (Shauna Mallory-Hill, University of Manitoba, Canada, Theo J.M. van der Voordt, Technical University Delft, Netherlands, Anne van Dortmont, van Wagenberg Associates, Eindhoven, Netherlands); 16) Evaluating Universal Design Performance (Preiser); 17) Facility Performance Evaluation in the Public and Private Sectors (Craig Zimring et al, Georgia Institute of Technology, USA); 18) The Human Elements in Building Performance Evaluation (Alex K. Lam, The OCB Network, Mississauga, Canada); Part IV - 19) Epilogue: Looking to the Future (Vischer); APPENDICES - Kit of Tools: Evaluation Instruments You can Use; Glossary of Terms; Author and Subject Index

**To order call 01865 474010 or visit
<http://books.elsevier.com/construction> today!**



FURTHER INFORMATION: All publication dates, prices and other details are correct at time of going to press but may be subject to change without further notice. Science & Technology Books - A Division of Elsevier Ltd - Registered Office- The Boulevard, Langford Lane, Kidlington, Oxon, OX5 1GB, reg No. 1982084