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■ ■ ■ ■ New Titles and Key Backlist 2009/2010

Professional Architecture

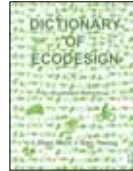
New Titles and Key Backlist 2009/2010



Page 1



Page 3



Page 10



Page 35

CONTENTS

Building Types	1
Sustainable Architecture	9
Architecture Practice	14
Digital Architecture	21
Urban Design	25
Landscape Architecture	31
Also of Interest	36
Architecture in Context Series	38
Index	40
Order Form	Back of Catalogue

KEY SYMBOLS



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CONTACTS

Editorial Enquiries

For all territories excluding the Americas:

Fran Ford – Commissioning Editor
Email: fran.ford@tandf.co.uk

Georgina Johnson – Assistant Editor
Email: georgina.johnson@tandf.co.uk

Marketing Enquiries

For all territories excluding the Americas:

Victoria Johnston
– Senior Marketing Executive
Email: victoria.johnston@tandf.co.uk

Samantha Whyte – Marketing Coordinator
Email: samantha.whyte@tandf.co.uk

For USA, Canada and Latin America:

Yojaira Cordero – Marketing Manager
Email: yojaira.cordero@taylorandfrancis.com

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NEW

The Housing Design Handbook

A Guide to Good Practice

David Levitt, Levitt Bernstein Associates, UK



How well have architects succeeded in building housing and what lessons can be learned from their triumphs and failures?

The Housing Design Handbook will give you a complete understanding of what makes successful housing design. Through the analysis of work by Levitt Bernstein and a wide range of other UK practices, it illustrates good design principles and accumulates a wealth of knowledge in a readily accessible format for the first time.

Written by a recognized authority in the field, the book provides:

- a range of cases to illustrate the way that different

issues in the design of housing have been approached and with what degree of success

- a review of the place of housing as the most significant built form in the urban landscape
- an understanding of the importance of achieving a sense of place as the bedrock of social continuity
- a discussion of how flexibility might be achieved in order to accommodate future changes in housing need, if wholesale demolition and replacement is to be avoided
- more recent examples which explore why certain social groupings are more resistant to design innovation than others and why there has been such an architectural breakthrough in market led, higher density urban living.

David Levitt examines the ideas behind the schemes and assesses how successful and sustainable those ideas have proved, making this an essential reference for professionals and students practicing and studying the design and commissioning of housing.

Selected Contents: **Part 1: Built Form** 1. Places that Get Better Over Time 2. Mixing Housing with Other Uses 3. Terrace Housing and Layout 4. Flats: Their Configuration in Blocks, and How to Make a Flat the Home of Choice for Family Living 5. Internal Space: Guidance, Standards and Regulation 6. Private Open Space 7. Shared Amenities, Indoor Facilities and Outdoor Spaces 8. Security without Fortification 9. Privacy 10. Dealing with Cars **Part 2: Social Issues** 11. Mixing Tenures and Flexible Tenures 12. Tenure and Style 13. Designing in Flexibility **Part 3: Technical Issues** 14. Environmentally Sustainable Planning and Built Form 15. Sustainable Structures 16. Considering 'Cost in Use' at the Design Stage 17. Design for Sustainability. Glossary. Sources of Further Information. Index

September 2009: 276x219: 288pp
51 line drawings, 78 halftones
Pb: 978-0-415-49150-1: **£34.99**

For more information, visit: www.routledge.com/9780415491501



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Design Quality in New Housing

Learning From the Netherlands

Matthew Cousins, Denton Corker Marshall Architects, London, UK



This book addresses the need for an in-depth study into design quality in new housing. The wider implications of policy and design are examined through a series of case studies of new housing projects in the UK and the Netherlands.

Dutch interdisciplinary design and modern methods of construction are widely considered to be of the highest quality from which much can be learned and understood. This guide offers architects the best practice for the design, policy and construction of new homes. The author considers proposals for the Thames Gateway and government incentives to create better quality housing, including the £60,000 house and design

reviews. The wider implications of skills and training of architects, planners, design professionals and those parties involved in housing are also addressed.

2008: 276x219: 176pp
Hb: 978-0-415-44769-0: **£85.00**
Pb: 978-0-415-44770-6: **£39.99**
eBook: 978-0-203-86890-4

For more information, visit: www.routledge.com/9780415447706



Pages taken from Design Quality in New Housing

Accessible Housing

Quality, Disability and Design

Rob Imrie, King's College London, University of London, UK



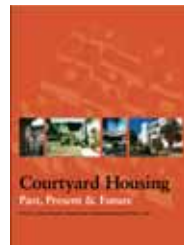
2005: 246x189: 264pp
Hb: 978-0-415-31891-4: **£81.99**
Pb: 978-0-415-31892-1: **£39.99**
eBook: 978-0-203-61673-4

For more information, visit: www.routledge.com/9780415318921

Courtyard Housing

Past, Present & Future

Edited by **Brian Edwards**, Royal Danish Academy of Fine Arts, School of Architecture, Denmark, **Magda Sibley**, University of Liverpool, UK, **Mohammad Hakmi**, Albaath University, Syria and **Peter Land**, Illinois Institute of Technology, Chicago, USA



2005: 276x219: 240pp
Hb: 978-0-415-26272-9: **£64.99**
eBook: 978-0-203-64672-4

For more information, visit: www.routledge.com/9780415262729

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NEW FOR 2010

Innovations in Hospital Architecture

Stephen Verderber, Clemson University, USA



This indispensable reference book captures key recent developments in the rapidly evolving field of sustainable hospital architecture. Today's architects must provide hospitals which enable high quality care for diverse patient populations in carbon neutral care settings, and this book succinctly considers what needs to be done in order to meet that challenge. The contemporary hospital is viewed in the context of global climate change, the planet's diminishing natural resources and the spiraling cost of operating healthcare facilities.

Stephen Verderber considers the future of the hospital, and supplies a compendium of 100 planning and design considerations for the building type. The book includes twenty-eight case studies of built and unbuilt hospitals from around the world. These are grouped into five types – autonomous community-based hospitals, children's hospitals, rehabilitation and elderly care centres and hospitals, regional medical centre campuses, and visionary (unbuilt) projects.

Beautifully and extensively illustrated with many photographs, diagrams and floor plans, this is essential reading for all architects, planners, engineers, product manufacturers, clients, healthcare providers and government agencies involved in the present and future of sustainable healthcare environments.

Selected Contents: **Part 1: Background** 1. Introduction 2. Architecture for Health – A Brief History of Sustainability 3. The Evolving Role of Site, Landscape, and Nature 4. The Evolving Patient Room and PCU 5. The Evolving Role of Memory, Place, and Sustainability 6. Prognostications **Part 2: Design** 7. Designing for Hospital-Based Care **Part 3: Case Studies**

February 2010: 276x219: 384pp
86 line drawings, 31 b/w images, 220 colour images
Hb: 978-0-415-77795-7: **£40.00**
eBook: 978-0-203-85575-1

For more information, visit: www.routledge.com/9780415777957

Innovations in Hospice Architecture

Stephen F. Verderber, Clemson University, USA and Ben J. Refuerzo, University of California, USA

This book presents an overview of the historical origins of the contemporary hospice and the diversity of interpretations on the basic premise of hospice care, and includes a series of case studies of exemplary hospices.

2006: 276x219: 216pp
Hb: 978-0-415-32713-8: **£74.99**
eBook: 978-0-203-35859-7

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Features case study about **Maggies Centre, London**,
Winner of the 2009 RIBA Building Prize.

NEW

Modern Hospice Design

The Architecture of Palliative Care

Ken Worpole, The Cities Institute, London Metropolitan University, UK



is a global public debate going on about care for the elderly and the dying, and what is meant by good quality palliative care.

This book begins with the rise of the modern hospice movement, which began in 1967. Today there are 8,500 modern hospice projects in 123 countries. The hospice has become an iconic building for this new culture. This is not a book about hospitals as such, but about what lessons the hospice movement has for new ideas about buildings for healthcare across the world.

For architects and interior designers, estate and facility managers involved in hospice design, healthcare professionals, hospital administrators and Healthcare Trust Boards.

Selected Contents: 1. The House at the End of Life

2. Be Kind Quickly 3. The Brief is Everything 4. Public Faces and Private Places
 5. Everything Gathered in One Room 6. In a Hospice Garden 7. The Evening Land.
 List of Hospices and Hospitals Visited

May 2009: 234x156: 152pp

Hb: 978-0-415-45179-6: **£85.00**

Pb: 978-0-415-45180-2: **£24.99**

eBook: 978-0-203-87810-1

For more information, visit: www.routledge.com/9780415451802



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Future Office

Edited by **Christopher Grech**, The Catholic University of America, Washington, USA and **David Walters**, University of North Carolina, Charlotte, USA



Developments in IT and the resulting knowledge-based economy have challenged traditional concepts of office design, as well as many of the larger architectural and urban design models. This book examines the implications of this revolution on current urban design and identifies potential new trends in office design from an international perspective.

These forward-thinking essays have been contributed by practitioners and academics from a wide spectrum of interests to deliver an illuminating look into the unfolding possibilities and challenges ahead.

Selected Contents: Introduction Future Office: Design, Practice and Applied Research
Section 1: Keynote Presentations Measurement: The Key to the Reinvention of the Office. Pragmatism. Green Design. Form, Function and Aesthetics in the Design of Tall Buildings. Best Practice: A Developer's Perspective
Section 2: Discussion Panels New Office, New Community. The Added Value of Sustainable Design. The Interior Environment. Organizational Change. High Performance Building Envelopes. Information Technology and Building Infrastructure
Section 3: Essays Workplace and the New American Community. Reinventing the Suburban Business Park. Challenges and Lessons Learned at Arlington Potomac Yard: A Work in Progress. Towards a Psychology of the Work Environment: Comfort, Satisfaction and Performance. The Cultural and Physical Environment as Drivers of Workplace Design. Communications Driven Architecture

2007: 276x219: 184pp
 Hb: 978-0-415-38590-9: **£89.99**
 Pb: 978-0-415-38591-6: **£38.99**
 eBook: 978-0-203-08595-0

For more information, visit: www.routledge.com/9780415385916

2nd Edition

Creating the Productive Workplace

Edited by **Derek Clements-Croome**, University of Reading, UK



A second edition of a classic title, featuring updated and additional material to reflect today's competitive work environments, contributed by a team of international experts. This is a critical multidisciplinary review of the factors affecting productivity, as well as a practical solutions manual for common problems and issues.

2006: 234x156: 424pp
 Hb: 978-0-415-35137-9: **£92.99**
 Pb: 978-0-415-35138-6: **£41.99**
 eBook: 978-0-203-69688-0

For more information, visit: www.routledge.com/9780415351386

Space Meets Status

Designing Workplace Performance

Jacqueline Vischer, Université de Montréal, Canada

Foreword by **Fritz Steele**

Showing how worker productivity and stress levels are affected by factors such as lighting, ventilation, temperature, noise and layout, this book demonstrates how the technical aspects of human comfort do not always tally with users' perceptions and behaviour. With vivid examples and case studies to illustrate how space is a corporate resource rather than simply overhead, Vischer reveals how companies can improve their ability to make design decisions on how best to accommodate their employees in a high quality workspace.

2005: 234x156: 184pp
 Hb: 978-0-415-70104-4: **£84.99**
 Pb: 978-0-415-70105-1: **£29.99**
 eBook: 978-0-203-08777-0

For more information, visit: www.routledge.com/9780415701051

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2nd Edition

The Modern Airport Terminal

New Approaches to Airport Architecture

Brian Edwards, Royal Danish Academy of Fine Arts, School of Architecture, Denmark



This comprehensive guide to the planning and design of airport terminals and their facilities covers all types of airport terminal found around the world and highlights the environmental and technical issues that the designer has to address. Contemporary examples are critically reviewed through a series of case studies. This second edition covers the most recent examples of high quality, technically advanced designs from the Far East, Europe and North America.

This book will be a source of inspiration and guiding principles for those who design, commission or manage airport buildings.

2005: 276x219: 304pp
Hb: 978-0-415-24812-9: **£72.99**

For more information, visit: www.routledge.com/9780415248129

NEW FOR 2011

Sustainability and the Design of Transport Interchanges

Brian Edwards, Royal Danish Academy of Fine Arts, School of Architecture, Denmark

The interchange is a new form of transport building which integrates into a single whole, putting the passenger first (rather than the infrastructure). This book presents design principles for transport interchanges and offers analysis of best practice in the UK and abroad.

The author demonstrates how this complex new building type integrates with the city, on the one hand, and with different types of transport on the other. In this integration design in both plan and section are important, as is urban and landscape design. The idea of 'interchange' is increasingly relevant as town planners, engineers and architects address the question of sustainable development with its emphasis on energy efficiency, social cohesion, access for the elderly, and urban regeneration.

January 2011: 276x219: 192pp
Hb: 978-0-415-46449-9: **£45.00**

For more information, visit: www.routledge.com/9780415464499

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Sports Facilities and Technologies

Peter Culley, previously Regional Sales Engineer for Corus, UK and
John Pascoe, Electrocomponents plc, UK



Developers, designers and operators are increasingly needing to create versatile sport and leisure amenities that are of lasting value to local and wider communities.

Placing facilities design and operation at the heart of sports development, this book adopts a holistic approach, integrating experience in the field with collective knowledge across many different uses and technologies.

Extensive use of case studies from around the world makes this book a definitive reference for practitioners and students in sports and leisure, building design and facilities management.

June 2009: 276x219: 288pp
 Hb: 978-0-415-45868-9: **£50.00**
 eBook: 978-0-203-87602-2

For more information, visit: www.routledge.com/9780415458689



Pages taken from Sports Facilities and Technologies

NEW FOR 2010

Theatre Buildings

A Design Guide

Association of British Theatre Technicians

Edited by **Judith Strong**



The Association of British Theatre Technicians brings together many of the world's leading experts in the building, commissioning and operating of theatres and performance spaces. This book brings together the Association's expertise to create the definitive guide to theatre planning. With technical guidance on all aspects of theatre design from front of house through the auditorium to back stage areas and ancillary spaces, *Theatre Buildings* offers the most reliable and comprehensive coverage of one of the most difficult building types to get right.

Selected Contents: 1. Preliminary Planning 2. Broad Principles 3. Front of House 4. Auditorium Design 5. The Stage and Stage Machinery 6. Lighting, Sound and Video 7. Back Stage Provision 8. Additional Spaces 9. Restoration, Conversion and Improvement of Existing Buildings 10. Reference Projects

May 2010: 276x219: 320pp
 Hb: 978-0-415-54894-6: **£39.99**

For more information, visit: www.routledge.com/9780415548946

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NEW FOR 2010**Development and Design of Heritage Sensitive Sites****Kenneth Williamson**, Hurd Rolland Partnership, UK

The first book to provide readers with the skills to assess development potential from a holistic standpoint. Until now, architectural books on conservation matters have focused on preservation at a strategic level and restoration at a technical level. This book offers the architect, developer or planner the rules and tools needed to gauge development prospects in an objective and comprehensive manner.

This book provides a one-stop-shop for any professional or student working in, or learning about, development in heritage environments.

Selected Contents: **Part 1: Controlling Principles** Introduction 1. Planning Hierarchy 2. Listed Buildings 3. Conservation Areas 4. Other Relevant Designations 5. Listed Buildings and Conservation Areas under the Planning Process 6. Listed Building Issues 7. Conservation Area Issues 8. Benefits of Development **Part 2: Assessment** Introduction 9. Historical Background 10. Identification of Heritage Assets 11. Special Architectural or Historic Interest of a Listed Building 12. Setting of a Listed Building 13. Character and Appearance of a Conservation Area 14. Impact of Development on Heritage Assets 15. Benefits of Development 16. Demolition of a Listed Building 17. Alteration of a Listed Building 18. Changes to the Setting of a Listed Building 19. Demolition of an Unlisted Building within a Conservation Area 20. Changes to the Character and Appearance of a Conservation Area **Part 3: Case Studies** Introduction. Caltongate, Edinburgh. Woodcroft House, Edinburgh. Selfridges, Glasgow. Notre Dame Campus, Bearsden nr Glasgow. Wind Farm, Clashindarroch, Morayshire. Haymarket, Edinburgh. Planning Inquiry, Chester

April 2010: 246x174: 240pp

Hb: 978-0-415-48643-9: **£85.00**Pb: 978-0-415-48644-6: **£34.99**For more information, visit: www.routledge.com/9780415486446**NEW**

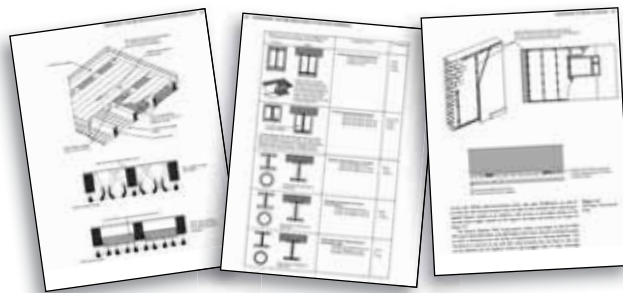
2nd Edition

Refurbishment and Upgrading of Buildings**David Highfield** and **Christopher Gorse**, both from Leeds Metropolitan University, UK

A detailed guide to the technical aspects of refurbishing and upgrading buildings, this book provides solutions to a range of problems, challenges and issues and is essential reading for all students studying building refurbishment at all levels.

Selected Contents: Introduction 1. Why Refurbishment? 2. Upgrading the Fire-Resistance of Existing Elements 3. Upgrading Internal Surfaces 4. Upgrading the Thermal Performance of Existing Elements 5. Upgrading the Acoustic Performance of Existing Elements 6. Preventing Moisture and Dampness Within Buildings 7. Introduction of New Floors and Access Between Levels 8. Timber Decay and Remedial Treatments 9. Strengthening of Existing Timber Floors 10. Heavy-Lifting Systems 11. Underpinning Systems 12. Strengthening Existing Walls 13. Façade Retention. Index of Products and Systems

May 2009: 246x189: 272pp

Hb: 978-0-415-44123-0: **£80.00**Pb: 978-0-415-44124-7: **£35.00**For more information, visit: www.routledge.com/9780415441247

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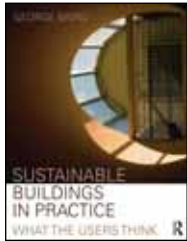
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NEW FOR 2010

Sustainable Buildings in Practice

What the Users Think

George Baird, Victoria University of Wellington, New Zealand



Current assessment methods of sustainable buildings do not adequately account for the users' needs. Given that over the life of a building, total salary costs far outweigh both operating costs and combined capital and rental costs, the occupants' needs are not something which should be sensibly ignored.

This book presents an unbiased evaluation of thirty of the most cutting-edge, sustainable buildings in the world, in terms of the users' perceived comfort, health and productivity. The author has visited the buildings, interviewed the design teams and examined the findings

of a sixty-question standardized user questionnaire.

The book provides:

- thirty case studies covering mixed-mode, passive and environmentally sustainable commercial and institutional buildings
- detailed insights into the principles underlying the design of sustainable buildings worldwide, over several climatic zones and eleven countries, together with clear explanations and illustrations of innovative design practice
- a discussion of common issues and the lessons that may be learnt from a study of the performance of sustainable buildings in practice, from the point of view of the people who use them.

This important book will be of great benefit to architects and engineers, facility managers of commercial and institutional buildings, as well as developers and researchers, academics and students in these fields.



Selected Contents: Introduction Part 1: Buildings in Cold – Temperate Climates
Part 2: Buildings in Medium – Temperate Climates Part 3: Buildings in Warm – Temperate Climates Part 4: Buildings in Hot – Humid Climates

January 2010: 276x219: 352pp
Pb: 978-0-415-39932-6: **£34.99**
eBook: 978-0-203-86545-3

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NEW

Climate and Architecture

Torben Dahl, Royal Danish College of Fine Arts, Denmark



Provides a critical overview of the main climate influences which shape the design of buildings. Written by experts in their field, the book contains the latest research into climatic design supported by case studies and examples drawn from both historic and modernist practice from Europe and around the world.

Beautifully illustrated with photographs, diagrams and building plans, the book sets out the environmental basis for sustainable design into the twenty-first century. A key focus

of the book is the relationship between climate and comfort with various strategies outlined for different regions of the world and for different building types.

November 2009: 260x240: 168pp

Hb: 978-0-415-56308-6: **£90.00**

Pb: 978-0-415-56309-3: **£24.99**

For more information, visit: www.routledge.com/9780415563093



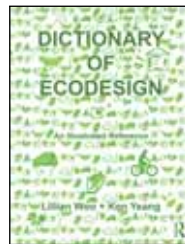
Pages taken from Climate and Architecture

NEW FOR 2010

Dictionary of Ecodesign

An Illustrated Reference

Edited by **Lillian Woo**, Economist and Consultant, USA and **Ken Yeang**, Llewelyn Davies Yeang, London, UK



The first guide to the terminology of sustainable design.

Written by an internationally renowned expert in the field, this illustrated dictionary provides over 600 definitions and explanations of ecodesign terms.

Providing a unique resource for the practitioner and student, this book leaves the reader free to 'dip' in and out of the book allowing for 'bite-sized' learning at their own convenience. It is an essential reference for all architects, engineers, planners and environmentalists involved in designing and planning projects and schemes in the built environment.

February 2010: 246x189: 272pp

Hb: 978-0-415-45899-3: **£40.00**

eBook: 978-0-203-86440-1

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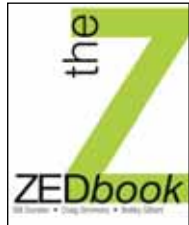
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SHORTLISTED FOR THE SIR ROBERT MCALPINE RIBA
INTERNATIONAL BOOK AWARD FOR CONSTRUCTION 2008

The ZEDbook

Solutions for a Shrinking World

Bill Dunster, Bill Dunster Architects, UK, **Craig Simmons**, Best Foot Forward, UK and **Bobby Gilbert**, Bobby Gilbert Associates, UK



Based on the experience gained from their involvement in the pioneering Beddington Zero Emission Development (or BedZED) in London, and subsequent innovative schemes, *The ZEDbook* authors present a bold, coherent and refreshing vision of a low carbon future.

In three comprehensive sections, *The ZEDbook* leads the reader from basic ZEDliving principles through building physics and architectural design details to a carefully selected array of informative case studies.

The ZEDbook is a must-have purchase for anyone wanting to make communities and the built environment more sustainable.

Selected Contents: Foreword. Introduction **Part 1: Principles for ZEDliving** 1.1 Make Carbon History 1.2 Design Out Fossil Fuels 1.3 Reduce Demand – Run On Native Renewables 1.4 Enable a High Quality of Life on a LOW Footprint 1.5 The ZEDstandards: A Checklist for ZEDliving **Part 2: Designing ZEDs** 2.1 A Guide to ZEDstandards 2.2 The ZEDphysics Model 2.3 Characterising a Development for Energy Use and Carbon Emissions 2.4 Characterising a Development for Comfort 2.5 The Effect of Climate 2.6 Building and Upgrading Houses to Zero Carbon Standards 2.7 Achieving Zero Carbon Emissions on a Large Development 2.8 Building Fabric and Insulation 2.9 ZEDfactory Wind Cowl Passive Heat Recovery Ventilation System 2.10 Passive Solar Design 2.11 Thermal Mass 2.12 Overheating Risk Assessment 2.13 Low and Zero Carbon Heating and Hot Water 2.14 Low Energy Air-Conditioning, Dehumidification and Cooling 2.15 Providing a Renewable electricity Supply **Part 3: Case Studies** RuralZED. SuburbanZED. Live/WorkZED. UrbanZED. CityZED. ZEDquarter

2007: 276x219: 276pp

Pb: 978-0-415-39199-3: **£40.00**

For more information, visit: www.routledge.com/9780415391993



Pages taken from The ZEDbook

SHORTLISTED FOR THE SIR ROBERT MCALPINE RIBA
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Strategies for Sustainable Architecture

Paola Sassi, Oxford Brookes University, UK



Provides the reader with a deeper understanding of the design issues involved in delivering sustainable buildings and describes in detail the process of integrating principles into practice. Featuring over 400 illustrations, this highly visual guide will be an invaluable reference.

2006: 276x219: 312pp

Pb: 978-0-415-34142-4: **£44.99**

eBook: 978-0-203-48010-6

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The Environments of Architecture

Environmental Design in Context

Randall Thomas, Consultant, Max Fordham LLP, London, UK and
Trevor Garnham, University of Kingston, UK



This well-illustrated 'think piece' provides a much needed and topical philosophical introduction to the place of environmental design in architecture.

The authors, from architecture and engineering, academia and practice, provide a rounded and well-balanced introduction to this important topic. Starting from a belief that the built environment can contribute more positively to the planet and the pleasure of places as well as answering the practical demands of comfort, they cover site planning, form, materials, construction and operation as well as looking at design on a city level.

Presenting a thoughtful and stimulating approach to the built environment, this book forms an excellent guide for practitioners, students and academics concerned with our built environment.

Selected Contents: 1. Introduction 2. Site and Setting 3. Building Design 1: Smaller Buildings and the Creation of Environments 4. Building Design 2: The Environments of Larger Buildings 5. Heating, Cooling and Power 6. Ventilation 7. Light and Shade 8. The City 9. Conclusion

2007: 246x174: 256pp
Hb: 978-0-415-36088-3: **£85.00**
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NEW FOR 2010

The Architect's Portfolio

Planning, Design, Production

Andreas Luescher, Bowling Green State University, Ohio, USA



The creation of a successful portfolio is a vital skill needed by architectural students and professionals alike. In a highly competitive global market the accomplished representation of the architect's work must be able to turn opportunities into triumphs.

This book offers a fresh step-by-step approach to achieving a reflective, attractive and successful representation of one's work. Structured in four stages it takes the reader through each step needed in the creation of a successful portfolio, from understanding yourself and your market, to planning, designing and producing it.

Illustrated throughout in full colour, the book includes case study portfolios from the US, UK, Europe and Australia which demonstrate the steps in the process for both practitioners and students, from sketch trials to full-colour stage lay-outs. These contributions come from architects all over the world, providing terrific insight into current practices and inspiration and ideas.

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Alastair Blyth and John Worthington, DEGW, London, UK



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Procuring Innovative Architecture

Leon van Schaik, RMIT, Melbourne, Australia and Geoffroy London, University of Western Australia



The case studies in this book describe how clients' promotion of innovative communities of practice has led to important collections of architectural works. The book provides an assessment of the effectiveness of their approaches. Architects and clients will understand what to look for as they construct their careers and their portfolios with innovation as a goal.

It is taken for granted nowadays that supporting innovative architecture benefits society. In countries as diverse as Austria, Australia, England, Japan and the Netherlands, retailers, institutions, local and regional government, and transport authorities have established substantial bodies of work by new and emerging architects. This book looks at what their goals are and how they have achieved them. Is it possible to promote sustainable communities of innovative practice through such patronage? Can innovation be 'kick-started' by importing visionary works?

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Stan Allen, Princeton University, USA



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Matthew Wells, Techniker, London, UK



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January 2010: 246x174: 176pp

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Edited by **Tom Porter**, Montana State University, USA and **Byron Mikellides**, Oxford Brookes University, UK



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accompany those from artists Alain Bony and Yann Kersalé, and from colour researchers such as Kristina Enberg and Anders Hård, who developed the Natural Colour System.

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Alan J. Brookes and **Maarten Meijs**, both at Delft University of Technology, the Netherlands



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David Chappell, David Chappell Consultancy Ltd, Wakefield, UK

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Helen Elias

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Robert Woodbury, Simon Fraser University, Canada

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These ideas are not easy, at least for those with typical design backgrounds. Mastering them requires skill as designer, mathematician and computer scientist. Yet some of the best designers are developing stunning skill in evoking the new and surprising.

This book teaches what the new knowledge and skill is that designers need to master the parametric and how they can learn and use it. It demonstrates clearly how using patterns to think about and work with parametric modeling helps designers master the new complexity imposed on them by the parametric modeling systems.

March 2010: 246x189: 272pp
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Paul Coates, University of East London, UK



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Rethinking Design and Making in Architecture

Edited by **Branko Kolarevic**, University of Calgary, Canada and **Kevin Klinger**, Ball State University, Indiana, USA



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Performative Architecture

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Dynamic Digital Representations in Architecture

Visions in Motion

Imdat As, Harvard Graduate School of Design, USA and **Daniel Schodek**, University of Notre Dame, USA



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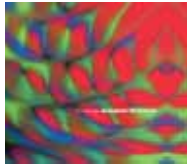
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Digitalia

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Susannah Hagan, University of East London, UK

2007: 210x210: 168pp
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Abstract Space

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Therese Tierney, Media Laboratory, MIT, USA

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Martin Bechthold, Harvard Design School, Cambridge, USA



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Collected Essays by Mark Goulthorpe, dECOi Architects

Mark Goulthorpe, MIT, Massachusetts, USA



Articulating a radical agenda for the rethinking of the basic precepts of the construction industry in light of digital technologies, this book explores the profound shift that is underway in all aspects of architectural process.

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 1. Devotio Moderna 2. Hystera Protera 3. Le Bloc Fracture
 4. The Inscrutable House 5. The Active Insert: Notes on Technic Praxis 6. Cut Idea: William Forsythe and an Architecture of Disappearance 7. Post Card to Parent 8. Misericord to a Grotesque Reification 9. Technological Latency 10. Gaudi's Hanging Presence 11. From Autoplastic to Alloplastic Tendency 12. Notes on Digital Nesting 13. The Digital Surrational 14. Praxis Interview: Precise Indeterminacy 15. Rabbit K(not) Borrora 16. Sinthome: Plastik Conditional 17. Epilogue

2008: 217x155: 224pp
 Hb: 978-0-415-77494-9: **£85.00**
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 eBook: 978-0-203-86599-6

For more information, visit: www.routledge.com/9780415774956

Catalytic Formations

Architecture and Digital Design

Ali Rahim, Contemporary Architecture Practice, New York, USA and University of Pennsylvania, USA

2005: 250x250: 232pp
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Softspace

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Edited by Sean Lally and Jessica Young

2006: 259x203: 224pp
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 eBook: 978-0-203-96713-3

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Interpretation in Architecture

Design as Way of Thinking

Adrian Snodgrass, University of Western Sydney, Australia and
 Richard Coyne, University of Edinburgh, UK

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Architectural Principles in the Age of Cybernetics

Christopher Hight, Rice University, Texas, USA

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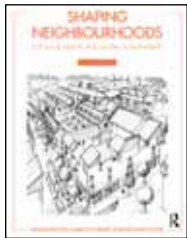
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- design places with character and recognize good urban form
- guide communities, and advise developers, in the creation of successful and sustainable places for living.

Containing many new case studies and a wealth of new research, this indispensable guide bridges the gulf between theory and practice, between planning authorities, investors and communities, and between different professional perspectives.

Whether you are a student faced with a local planning project; a planner, urban designer or developer involved in new development; a health authority concerned with promoting physical activity; or a community group wanting to improve your neighbourhood; this book is for you.



Selected Contents: 1. Orientation and Principles 2. A Neighbourhood Planning Process 3. Providing for Local Need 4. Working with Natural Systems 5. Urban Design Synthesis 6. Neighbourhood Checklists

February 2010: 276x219: 288pp
Hb: 978-0-415-49548-6: **£85.00**
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NEW

Britain's New Towns

Garden Cities to Sustainable Communities

Anthony Alexander, Alan Baxter and Associates, London, UK



The New Towns Programme of 1946 to 1970 was one of the most substantial periods of urban development in Britain.

The New Towns have often been described as a social experiment; so what has this experiment proved?

This book covers the story of how these towns came to be built, how they aged, and the challenges and opportunities they now face as they begin phases of renewal. The new approaches in design throughout their past development reflect changes in society throughout the latter half of the twentieth century. These changes are now at the heart of the challenge of sustainable development.

The New Towns provide lessons for social, economic and environmental sustainability. These lessons are of great relevance for the regeneration of twentieth century urbanism and the creation of new urban developments today.

Selected Contents: Introduction 1. The New Towns in a New Light **Part 1: Planning the New Towns** 2. A Bit of a Bombshell 3. The Early New Towns 4. The Later New Towns 5. The Origin of the New Towns Concept **Part 2: Building the New Towns** 6. The Formulation of the New Towns Programme 7. Principles of New Town Design 8. A Leap into the Unknown **Part 3: Living in the New Towns** 9. Criticisms of the New Towns 10. How the New Towns Grew Old 11. New Towns in the Age of Sustainable Communities

June 2009: 276x219: 208pp

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A Guide to Good Practice

Edited by **Antti Ahlava**, Helsinki University of Technology, Finland and
Harry Edelman, Edelman Group Oy Ltd., Helsinki, Finland



The book examines the roles of the players involved in land-use projects and describes good collaborative methods of practice in project-based urban design and planning, putting emphasis on the creative co-operative skills and the wide knowledge of the participants in a working group.

2008: 246x189: 244pp
Hb: 978-0-415-46921-0: **£90.00**
Pb: 978-0-415-46922-7: **£35.00**

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2nd Edition

Sustainable Urban Design

An Environmental Approach

Edited by **Adam Ritchie** and **Randall Thomas**, both at Max Fordham LLP, London, UK



Building on the first edition's original format of design guidance and case studies, this second edition updates the ideas and techniques resulting from further research and practice by the contributors.

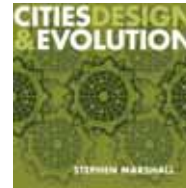
2008: 276x219: 256pp
Hb: 978-0-415-44781-2: **£85.00**
Pb: 978-0-415-44782-9: **£29.99**

For more information, visit: www.routledge.com/9780415447829



Cities Design & Evolution

Stephen Marshall, University College London, UK



Why does modern planning sometimes create urban environments that are less attractive and functional than the 'organic urbanism' of traditional cities? *Cities Design & Evolution* takes up the challenge of this question, investigating 'how cities are put together', both in the sense of how the parts are organized in relation to the whole, and how they are created or evolve over time.

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Pb: 978-0-415-42329-8: **£44.99**
eBook: 978-0-203-96191-9

For more information, visit: www.routledge.com/9780415423298

NEW

Sustainable Olympic Design and Urban Development

Adrian Pitts, Sheffield Hallam University, UK and **Hanwen Liao**, University of Greenwich, London, UK



This book explains how a modern Olympic games can successfully develop a more sustainable design approach by learning from the lessons of the past and by taking account of the latest developments.

May 2009: 246x189: 248pp
Hb: 978-0-415-46761-2: **£85.00**
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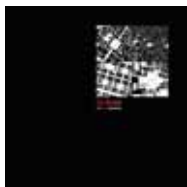
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To Scale

One Hundred Urban Plans

Eric Jenkins, Catholic University of America, Washington DC, USA



How big is Moscow's Red Square in comparison to Tiananmen Square? Why are there fewer public squares in Japan than in Italy? What lessons might be found in the plan of Savannah, Georgia's historic district?

The book contains one hundred figure-ground plans from seventy-eight cities around the world, describing an identical area (half a kilometer square) for each urban space.

Accompanying each plan are photographs, diagrams and text that illustrate essential aspects of the plan or urban

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2007: 250x250: 240pp

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Experiential Landscape

An Approach to People, Place and Space

Kevin Thwaites, University of Sheffield, UK and **Ian M. Simkins**



Incorporating a review of key philosophical and theoretical themes, and offering a socially responsive design vocabulary, Kevin Thwaites and Ian M. Simkins provide the reader with a greater understanding of the human-environment relationship.

2006: 276x219: 256pp

Pb: 978-0-415-34000-7: **£44.99**

eBook: 978-0-203-46209-6

For more information, visit: www.routledge.com/9780415340007

Urban Design Futures



Edited by **Malcolm Moor**, University of Westminster, London, UK and **Jon Rowland**, Principal of JRUD Urban Designers, Oxford, UK



'The urban design primer of the year ... This is a book covering the richness of the urban design debate with ideas ranging from the inspiring to the absolutely barmy. It is a vital introductory read for students of urban design and a valuable pot pourri of the current urban design debate.' – *Green Places*

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Cities and Regions

Hildebrand Frey and Paul Yaneske, both at University of Strathclyde, UK



This book examines the sustainability of cities and regions and concludes that currently sustainability is not achievable.

Presenting a framework to guide and direct research in the measures needed to achieve and maintain sustainability, the book will be of considerable help to local authorities and political and government bodies responsible for establishing guidelines for the planning and monitoring of sustainable urban development

Selected Contents: Part 1: The Quest for Sustainable Development 1. United Nations Frameworks for Sustainable Development 2. The EU Debate on Sustainable Development 3. The UK Guidance to Achieve Sustainable Development 4. Best Practice Case Studies 5. Conclusions Development

Part 2: A Scientific Foundation for Sustainable Development 6. Science, Complexity and Sustainability 7. Settlements and Cities in History that Correspond to Types 0, 1 and 2 of Sustainability 8. Challenges to Sustainability 9. Availability and Choice of Options

2007: 234x156: 144pp

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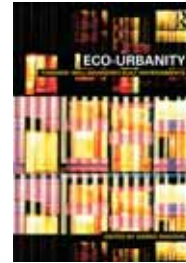


NEW

Eco-Urbanity

Towards Well-Mannered Built Environments

Edited by **Darko Radovic**, University of Melbourne, Australia



Carefully outlining paths towards better, sustainable ways of urban living, this book proposes a radical change in the ways we conceive and live our urban environments.

Bringing together diverse cultural and disciplinary views on urban sustainability, eighteen leading academics and practitioners in sustainable architecture and urbanism explore global concerns of sustainability and urbanity.

Selected Contents: Part 1: The Compact City, Strategies and Success Stories Part 2: Other Cultures, Approaches and Strategies Part 3: Other Scales and Sensibilities

March 2009: 246x174: 264pp

Hb: 978-0-415-47277-7: **£85.00**

Pb: 978-0-415-47278-4: **£27.99**

For more information, visit: www.routledge.com/9780415472784

Urban Sound Environment

Jian Kang, University of Sheffield, UK

As the importance of soundscape, acoustic comfort and sound environment design have become widely recognized, *Urban Sound Environment* is a thoroughly useful book for students and practitioners in a wide range of fields, from urban planning and landscape through to architecture and acoustics.

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Sustainable Urban Development Series

Sustainable Urban Development Volume 3



The Toolkit for Assessment

Edited by **Ron Vreeker**, Free University, Amsterdam, the Netherlands, **Mark Deakin**, Napier University, Edinburgh, UK and **Stephen Curwell**, University of Salford, UK



This book outlines the BEQUEST toolkit that provides the means by which to link the protocols with the assessment methods currently available to evaluate the sustainability of urban development.

2008: 234x156: 304pp
Hb: 978-0-415-32218-8: **£85.00**
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eBook: 978-0-203-88678-6

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Sustainable Urban Development Volume 1



The Framework and Protocols for Environmental Assessment

Edited by **Stephen Curwell**, University of Salford, UK, **Mark Deakin**, Napier University, Edinburgh, UK and **Martin Symes**, University of the West of England, Bristol, UK

2005: 234x156: 256pp
Hb: 978-0-415-32214-0: **£90.00**
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Sustainable Urban Development Volume 4



Changing Professional Practice

Edited by **Ian Cooper**, Eclipse Research Consultants, Cambridge, UK and **Martin Symes**, University of the West of England, UK



This fourth volume explores how the professions responsible for enhancing the built environment's sustainability seek to deliver this new agenda, offering multi-perspective case studies and discussion to argue for a rethinking of the role of the urban development professional.

2008: 234x156: 328pp
Hb: 978-0-415-43821-6: **£90.00**
Pb: 978-0-415-43822-3: **£34.99**
eBook: 978-0-203-89218-3

For more information, visit: www.routledge.com/9780415438223

Sustainable Urban Development Volume 2



The Environmental Assessment Methods

Edited by **Mark Deakin**, Napier University, Edinburgh, UK, **Gordon Mitchell**, University of Leeds, UK, **Peter Nijkamp** and **Ron Vreeker**, both at Free University, Amsterdam, the Netherlands

2007: 234x156: 544pp
Hb: 978-0-415-32216-4: **£90.00**
Pb: 978-0-415-32217-1: **£34.99**
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Design for Outdoor Recreation

Simon Bell, Edinburgh College of Art, UK



Design for Outdoor Recreation takes a detailed look at all aspects of design of facilities needed by visitors to outdoor recreation destinations. The book is a comprehensive manual for planners, designers and managers of recreation taking them through the processes of design and enabling them to find the most appropriate balance between visitor needs and the capacity of the landscape. A range of different aspects are covered including car parking, information signing, hiking, waterside activities, wildlife watching and camping.

This second edition incorporates new examples from overseas, including Australia, New Zealand, Japan and

Eastern Europe as well as focusing on more current issues such as accessibility and the changing demands for recreational use.

Selected Contents: 1. Recreation Planning 2. Design Concepts for Outdoor Recreation 3. The Journey to the Destination 4. Providing Visitor Information 5. Parking the Car 6. Toilet Facilities 7. Picnicking 8. Children's Play 9. Trails 10. Water-Based Recreation 11. Wildlife Viewing 12. Design for Overnight Visitors 13. Interpretation 14. Comprehensive Site Design

2008: 276x219: 240pp

Pb: 978-0-415-44172-8: **£44.99**

For more information, visit: www.routledge.com/9780415441728

The Dynamic Landscape

Design, Ecology and Management of Naturalistic Urban Planting

Edited by **Nigel Dunnnett** and **James Hitchmough**, both at University of Sheffield, UK



The last quarter of the twentieth century witnessed a burgeoning interest in ecological or naturally inspired use of vegetation in the designed landscape. More recently a strong aesthetic element has been added to what was formerly a movement aimed at creating nature-like landscapes.

The Dynamic Landscape advances a fusion of scientific and ecological planning design philosophy that can address the need for more sustainable designed landscapes. It is a major statement on the design, implementation and management of ecologically inspired landscape vegetation.

With contributions from people at the forefront of developments in this field, in both Europe and North America, it provides a valuable synthesis of current thinking.

Selected Contents: 1. Introduction 2. The Historical Development of Naturalistic Planting 3. A Contemporary Overview of Naturalistic Planting 4. The Dynamic Nature of Plant Communities 5. A Naturalistic Design Process 6. Herbaceous Plantings 7. Exploring Woodland Design 8. Wetlands and Water Bodies 9. Communicating Naturalistic Plantings: Plans and Specifications 10. The Creative Management of Naturalistic Plantings 11. The Social and Cultural Context of Naturalistic Plantings

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European Landscape Architecture

Best Practice in Detailing

Edited by **Ian Thompson**, University of Newcastle, UK, **Torben Dam** and **Jens Balsby Nielsen**, both at Royal Veterinary and Agriculture University, Copenhagen, Denmark



With projects studied here that have won international and national acclaim, this book examines case studies from all over Europe and explores the relationship between the overall landscape architectural idea for a site and the design of details.

2007: 242x242: 272pp
Hb: 978-0-415-30736-9: **£85.00**
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eBook: 978-0-203-62299-5

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Transforming Parks and Protected Areas

Policy and Governance in a Changing World

Edited by **Kevin S. Hanna**, **Douglas A. Clark** and **D. Scott Slocombe**, all at Wilfrid Laurier University, Canada

A rare collection of articles that fuses academic theory, critique of practice and practical knowledge, *Transforming Parks and Protected Areas* analyzes and critiques the emerging issues in the design and operation of parks and protected areas.

2007: 246x174: 248pp
Hb: 978-0-415-37423-1: **£65.00**
eBook: 978-0-203-96190-2

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European Forest Recreation and Tourism

A Handbook

Edited by **Simon Bell**, Edinburgh College of Art, UK, **Murray Simpson**, University of Oxford, UK, **Lisa Tyrväinen**, **Tuija Sievänen**, both at METLA (Finnish Forest Research Institute), Finland and **Ulrike Pröbstl**, University of Natural Resources and Applied Life Sciences, Vienna, Austria



Based on a study of forest recreation from across Europe, the editors bring together the expertise of more than eighty leading professionals and academics to provide a clear and concise guide to best practice. Case studies and careful research give a detailed insight into the issues that forest recreation raises, from strategic planning to integration into the existing rural economy.

Essential reading for tourism planners, landscape designers and countryside managers delivering forest recreation and tourism.

Selected Contents: Introduction 1. Forest Recreation and Nature Tourism in Europe: Context, History, and Current Situation **Part 1** 2. Evaluating the Economic and Social Benefits of Forest Recreation and Nature Tourism 3. Integrating Forest Recreation and Nature Tourism into the Rural Economy 4. Instruments for Developing Recreation and Nature Tourism in Forests **Part 2** 5. Monitoring of Forest Recreation Demand 6. Assessing and Planning the Supply of Opportunities for Forest Recreation and Nature Tourism **Part 3** 7. Strategic Planning of Forest Recreation and Nature Tourism 8. The Recreation Planning Process 9. Site Planning and Design for Recreation and Nature Tourism

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NEW

Spatial Recall

Memory in Architecture and Landscape

Edited by **Marc Treib**, University of California at Berkeley, USA



Architecture and designed landscapes serve as grand mnemonic devices that record and transmit vital aspects of culture and history. *Spatial Recall* casts a broad net over the concept of memory and gives a variety of perspectives from twelve internationally noted scholars, practicing designers, and artists such as Juhani Pallasmaa, Adriaan Geuze, Susan Schwartzberg, Georges Descombes and Esther da Costa Meyer.

Essays range from broad topics of message and audience to specific ones of landscape production. Beautifully illustrated, *Spatial Recall* is a comprehensive view of memory in the built environment, how we have read it in the past, and how we can create it in the future.

Selected Contents: Yes, Now I Remember: An Introduction *Marc Treib* **Part 1: Body**

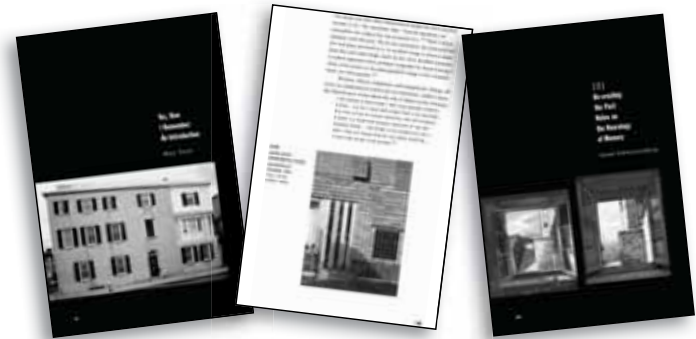
1. Space, Place, Memory, and Imagination: The Temporal Dimension of Existential Space *Juhani Pallasmaa* 2. Re-Creating the Past: Notes on the Neurology of Memory *Susan Schwartzberg* 3. The Place of Memory *Donlyn Lyndon* 4. Indelible Marker, Palimpsest, Thin Air *Alice Aycock* **Part 2: Landscapes** 5. Rivers, Meanders, and Memory *Matt Kondolf* 6. Displacements: Canals, Rivers, and Flows *Georges Descombes* 7. Land, Cows and Pyramids *Adriaan Geuze* 8. The Mediterranean Cemetery: Landscape as Collective Memory *Luigi Latini* **Part 3: Buildings** 9. The Place of Place in Memory *Esther da Costa Meyer* 10. Remembering Ruins, Ruins Remembering *Marc Treib* 11. The Memory Industry and Its Discontents: The Death and Life of a Keyword *Andrew Shanken* 12. Mnemonic Value and Historic Preservation *Jorge Otero-Pailos*

May 2009: 234x156: 272pp

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Pages taken from Spatial Recall

Representing Landscape Architecture

Edited by **Marc Treib**, University of California at Berkeley, USA



'Treib is particularly sensitive to the gap between the plan and the reality, and is not afraid to name those parks which appeared inspired on paper but failed to win public affection or garner enjoyable use when constructed. He is a critic one can always trust.' – *Green Places*, April 2008

Representing Landscape Architecture offers a broad investigation of how the designed landscape is and has been represented: for design study, for criticism and even for its realization. Written by a team of renowned practitioners and academics, this book is the best available reference to date on the many dimensions of landscape representation.

Selected Contents: Part 1: Looking Backward and Forward Part 2: Representing the Landscape Design Process Part 3: Drawings and Models Part 4: Words and Media

2007: 250x200: 240pp

Hb: 978-0-415-70042-9: **£85.00**

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Designing the Reclaimed Landscape

Alan Berger, Harvard University Graduate School of Design, USA



The book addresses new thinking about landscape, which applies new techniques to the task of transforming outdated and disused post-extraction landscapes through design. In the USA alone, there are nearly 500,000 abandoned mines in need of reclamation and this book provides the first in-depth guidance on this real and pressing issue.

Selected Contents: Part 1: Contextualizing Landscape Alteration through Historic, Systemic, and Biologic Perspectives Part 2: Interdisciplinary Responses and Opportunities in Reclamation Part 3: Technology, Representation, and Information in Reclamation Design Part 4: Future Directions and Programs in US Reclamation Policy and Law

2007: 246x174: 200pp
Hb: 978-0-415-77303-4: **£39.99**
eBook: 978-0-203-93573-6

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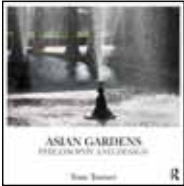
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Dana Buntrock, University of California, USA



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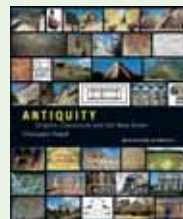
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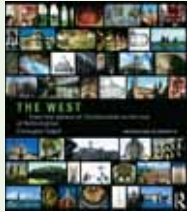
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- A**
- Abstract Space 23
 - Accessible Housing 2
 - Ahlava, Antti 27
 - Alexander, Anthony 26
 - Allen, Stan 16
 - Antiquity 38
 - Apostol, Dean 34
 - Architect's Portfolio, The 14
 - Architectural Principles in the
Age of Cybernetics 24
 - Architecture in Context (series) 38, 39
 - Architecture in the Digital Age 22
 - As, Imdat 22
 - Asian Gardens 35
 - Association of British Theatre 7
 - Atlas of Vernacular Architecture
of the World 37
 - Autogenic Structures 23
- B**
- Baek, Jin 38
 - Baird, George 9
 - Balsby Nielsen, Jens 32
 - Barton, Hugh 25
 - Bauhaus Construct 37
 - Bechthold, Martin 23
 - Bell, Simon 31, 32, 34
 - Benson, John 34
 - Berger, Alan 34
 - Beyond Archigram 36
 - Blyth, Alastair 15
 - Bridge, Alexander 37
 - Britain's New Towns 26
 - Brookes, Alan J. 17
 - Buntrock, Dana 37
- C**
- Catalytic Formations 24
 - Chadwick, Andrew 13
 - Chappell, David 19, 20
 - Cheshire, Wendy 12
 - Cities Design & Evolution 27
 - Cladding of Buildings 17
 - Clark, Douglas A. 32
 - Clements-Croome, Derek 5
 - Climate and Architecture 10
 - Coates, Paul 21
 - Colour for Architecture Today 17
 - Construction Contracts 20
 - Construction Contracts Questions
and Answers 20
 - Cooper, Ian 30
 - Courtyard Housing 2
 - Cousins, Matthew 2
 - Coyne, Richard 24
 - Creating the Productive Workplace 5
 - Culley, Peter 7
 - Curwell, Stephen 30
- D**
- Dahl, Torben 10
 - Dam, Torben 32
 - Deakin, Mark 30
 - Design for Outdoor Recreation 31
 - Design Quality in New Housing 2
 - Designing Sustainable Forest
Landscapes 34
 - Designing the Reclaimed Landscape 34
 - Development and Design of
Heritage Sensitive Sites 8
 - Dictionary of Ecodesign 10
 - Digitalia 23
 - Douglas, Evan 23
 - Dunnett, Nigel 31

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Dunster, Bill	11
<i>Dynamic Digital Representations in Architecture</i>	22
<i>Dynamic Landscape, The</i>	31

E

<i>East, The</i>	38
<i>Eco-Urbanity</i>	29
Edelman, Harry	27
Edwards, Brian	2
<i>Effective Press Relations for the Built Environment</i>	20
<i>Elements of Parametric Design</i>	21
Elias, Helen	20
Ellingham, Ian	20
<i>Engineers</i>	16
<i>Environmental Brief, The</i>	12
<i>Environments of Architecture, The</i>	12
<i>European Forest Recreation and Tourism</i>	32
<i>European Gardens</i>	35
<i>European Landscape Architecture</i>	32
<i>Experiential Landscape</i>	28

F

Fawcett, William	20
Frey, Hildebrand	29
<i>Future Office</i>	5

G

Gargiani, Roberto	36
Garnham, Trevor	12
Gilbert, Bobby	11
Glasson, John	13
Gorse, Christopher	8
Goulthorpe, Mark	24
Grant, Marcus	25
Grech, Christopher	5
Griffiths, Owen V.	19
Guise, Richard	25

H

Hagan, Susannah	23
Hakmi, Mohammad	2
Hanna, Kevin S.	32
Highfield, David	8
Hight, Christopher	24
Hitchmough, James	31
<i>Housing Design Handbook</i>	1
Hughes, Will	20
Hyde, Richard	12

I

Imrie, Rob	2
<i>Innovations in Hospice Architecture</i>	3
<i>Innovations in Hospital Architecture</i>	3
<i>Innovative Surface Structures</i>	23
<i>Interpretation in Architecture</i>	24
<i>Introduction To Environmental Impact Assessment</i> ...	13
<i>Islam</i>	39

J

Jenkins, Eric	28
---------------------	----

K

Kang, Jian	29
Klinger, Kevin	22
Kolarevic, Branko	22

L

Lally, Sean	24
Land, Peter	2
<i>Landscape and Sustainability</i>	34
Langdon, David	18
<i>Le Corbusier and Britain</i>	36
Levitt, David	1
Liao, Hanwen	27
London District Surveyors Association	18

London, Geoffrey	15
Luescher, Andreas	14

M

Malkawi, Ali	22
<i>Managing the Brief For Better Design</i>	15
<i>Manufacturing Material Effects</i>	22
Marshall, Stephen	27
<i>Material and Meaning in Contemporary Japanese Architecture</i>	37
Meijs, Maarten	17
<i>Methods of Environmental Impact Assessment</i>	13
Mikellides, Byron	17
Mitchell, Gordon	30
<i>Modern Airport Terminal, The</i>	6
<i>Modern Hospice Design</i>	4
Moor, Malcolm	28
Morris, Peter	13
Murdoch, John	20
Murray, Irena	36

N

<i>Natural and Built Environment Series (series)</i>	13
<i>New Generation Whole-Life Costing</i>	20
Nijkamp, Peter	30
<i>Nothingness: Tadao Ando's Christian Sacred Space</i> ..	38

O

Oliver, Paul	37
Osley, Julian	36

P

Pascoe, John	7
<i>Performative Architecture</i>	22
Pitts, Adrian	27
Polley, Simon	19
Porter, Tom	17

- Possibility of (an) Architecture, The*.....24
Powers, Alan.....36
Practice.....16
Pröbstl, Ulrike.....32
Procuring Innovative Architecture.....15
Programming Architecture.....21
Project Management Demystified.....18
- R**
- Radovic, Darko.....29
Rahim, Ali.....24
Refuerzo, Ben J.....3
Refurbishment and Upgrading of Buildings.....8
Reiss, Geoff.....18
Rem Koolhaas / OMA.....36
Representing Landscape Architecture.....33
Ritchie, Adam.....27
Roe, Maggie.....34
Rowland, Jon.....28
- S**
- Saletnik, Jeffrey.....37
Sassi, Paola.....11
Schodek, Daniel.....22
Schuldenfrei, Robin.....37
Shaping Neighbourhoods.....25
Sibley, Magda.....2
Sievänen, Tuija.....32
Simkins, Ian M.....28
Simmons, Craig.....11
Simpson, Murray.....32
Slocombe, D. Scott.....32
Snodgrass, Adrian.....24
Softspace.....24
Space Meets Status.....5
Spain, Bryan.....18
Spatial Recall.....33
Spon's Architects' and Builders' Price Book 2010.....18
Spon's Building Regulations Explained.....18
- Spon's Estimating Costs Guide to Small Groundworks, Landscaping and Gardening*.....18
Spon's Estimating Costs Guides (series).....18
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Sports Facilities and Technologies.....7
Steiner, Hadas A.....36
Stephenson, John.....18
Strategies for Sustainable Architecture.....11
Strong, Judith.....7
Sustainability and the Design of Transport Interchanges.....6
Sustainable Buildings in Practice.....9
Sustainable Olympic Design and Urban Development.....27
Sustainable Urban Design.....27
Sustainable Urban Development Series (series).....30
Sustainable Urban Development Volume 1.....30
Sustainable Urban Development Volume 2.....30
Sustainable Urban Development Volume 3.....30
Sustainable Urban Development Volume 4.....30
Symes, Martin.....30
- T**
- Tadgell, Christopher.....38, 39
Theatre Buildings.....7
Therivel, R.....13
Therivel, Riki.....13
Thomas, Randall.....12, 27
Thompson, Ian.....32
Thomson, Mark.....12
Thwaites, Kevin.....28
Tierney, Therese.....23
To Scale.....28
Transforming Parks and Protected Areas.....32
Treib, Marc.....33
Turner, Tom.....35
- Tyrväinen, Lisa.....32
- U**
- Understanding JCT Standard Building Contracts*.....19
Understanding the Building Regulations.....19
Understanding the CDM Regulations.....19
Urban Design Futures.....28
Urban Design Management.....27
Urban Sound Environment.....29
- V**
- van Schaik, Leon.....15
Vellinga, Marcel.....37
Verderber, Stephen.....3, 4
Vischer, Jacqueline.....5
Visions of Sustainability.....29
Vreeker, Ron.....30
- W**
- Walters, David.....5
Watson, Steve.....12
Wells, Matthew.....16
West, The.....39
Williams, Andrew R.....18
Williamson, Kenneth.....8
Woo, Lillian.....10
Woodbury, Robert.....21
Worpole, Ken.....4
Worthington, John.....15
- Y**
- Yaneske, Paul.....29
Yeang, Ken.....10
Young, Jessica.....24
- Z**
- ZEDbook, The*.....11

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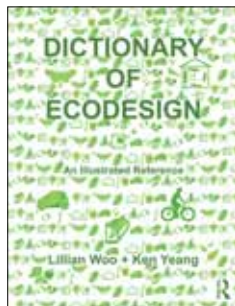
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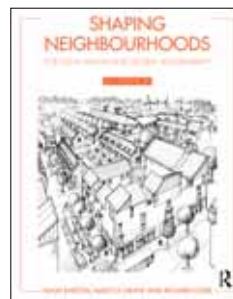
Page 9



Page 10



Page 22



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