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### Environmental Design

Randall Thomas & Max Fordham

Spon Press

published: 31.12.05

isbn: 0415363349

product code: 10187

£25.00

The book starts with some basic scientific principles and environmental issues and then moves on to site planning, energy use, materials and buildings form. Natural ventilation systems, high-efficiency mechanical equipment and alternative energy sources are covered. State-of-the-art buildings of exceptional quality are incorporated throughout the text and illustrate the authors' belief that environmentally responsible architecture can be visually exciting. The book concludes with a selection of detailed case studies of award-winning projects.

Written and edited by a team of specialists at Max Fordham LLP, *Environmental Design* is the result of their extensive experience in designing environmentally-friendly buildings. The principles of their approach, which they have taught in numerous schools of architecture and engineering, are clearly presented here.

### Renewable Energy in the Countryside

Peter Prag

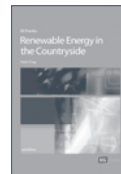
EG Books

published: 30.11.06

isbn: 0728205076

product code: 11585

£21.50



In 2005, when the first edition of *Renewable Energy in the Countryside* was published, only wind power received sufficient funding to be commercially viable in specific locations, and most other renewable sources remained un-utilised. Since then, however, in trying to meet European obligations under the Kyoto Agreement, the Government has introduced new measures to encourage the development of biofuel processing plants and to bring a new focus on the use of biomass. Even so, whether wind, biomass or biofuels, these energy sources all depend on one essential ingredient - the use of land.

Farmers and landowners are therefore crucial players in achieving these aims, and at a time when incomes from agriculture and forestry are continuing to fall, renewable energy ventures could offer a viable alternative revenue stream.

This new edition examines the present opportunities and identifies the potential risks and shortcomings of diversifying into renewable energy, including:

- The viability of current policies and the implications for the future
- The issue of rising fuel prices
- Revised planning requirements for renewable energy in new buildings

New and relatively untried, entering the renewable energy market comprises a wide range of issues that need to be properly assessed. This book provides that necessary insight, offering a unique and independent assessment of the current situation by identifying both its potential and limitations.

### Town and Country Planning in the UK

Barry Cullingworth & Vincent Nadin

Routledge

published: 30.06.06

isbn: 0415358108

product code: 10018

£29.99

This thirteenth edition of *Town and Country Planning* in the UK has been completely revised, with every chapter updated, to take into account new developments, including the changes to the planning system and policies introduced by the Labour government, devolution to Scotland and Wales, new urban initiatives, innovation in sustainable development and the role of the European Union in spatial planning and environment policy. Detailed consideration is given to:

- ▶ The nature of planning and its historical evolution
- ▶ The framework of plans and other planning instruments
- ▶ Land policy and planning gain
- ▶ Heritage and transport planning
- ▶ Sustainable development, waste and pollution
- ▶ Urban policies and regeneration
- ▶ Planning, the profession and the public

### **Farm Management Pocketbook 2007**

John Nix

The Pocketbook

published: 30.09.2006

isbn: 0954120153

product code: 11529

£17.00

All the figures in this new edition of *Farm Management Pocketbook 2007* has been comprehensively revised to reflect the changing economics of agriculture.

Now in its 39th year the 37th edition of the Pocketbook continues to be the source for farm management information in the UK.

With over 250 pages of information, it has up-to-date Gross Margins of all the main enterprises, fixed costs for various types and sizes of farm, rent, land prices, labour, machinery, buildings, grants, taxation and very many other items.

If you are farming, advising farmers, or involved in any way in the business of agriculture having the latest 'Nix' on your shelf is a must.

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### **Assessing Risks Posed By Hazardous Ground Gases to Buildings**

S Wilson, S Oliver & H Mallett et al

CIRIA

published: 01.12.06

isbn: 0860176592

product code: 16463

RICS Members: £117

Non Members: £130

Following the high profile gas explosions at Loscoe and Abbeystead during the 1980s, a number of reports were published in the 1990s on the measurement of soil gases, the assessment of risk such gases may present along with the measures that can be employed to mitigate such risks.

With government policy encouraging redevelopment on brownfield sites including those sites where there is a potential for elevated concentrations of potentially hazardous soil gases to be present, the lack of clarity in the existing guidance has become more apparent.

This report provides up to date advice on all of these aspects. The guidance it contains consolidates good practice in investigation, the collection of relevant data and monitoring programmes in a risk based approach to gas contaminated land.

### **Environmental Design of Urban Buildings**

Mat Santamouris

Earthscan Publications Limited ISB

published: 31.07.06

isbn: 1902916422

product code: 16389

£65.00



The importance of an integrated approach in urban design is becoming increasingly apparent. This book explains how to overcome related challenges in environmental design of urban buildings and offers guidance on the use of new materials and techniques and the integration of new philosophies.

Supported by the European Commission's SAVE 13 programme, the book includes contributions from experts at the National and Kapodistrian University of Athens, Greece, the Hellenic Open University, Greece, Cambridge Architectural Research and REHVA/University of Ljubljana, Slovenia.

Mat Santamouris, a recognized expert in building physics and the application of solar and energy-efficiency technologies, is Associate Professor in the Physics Department, University of Athens, Greece, and Visiting Professor at London Metropolitan University.

Contents include:

- Environmental Urban Design
- Architectural Design, Passive Environmental and Building Engineering - Systems
- Environmental Issues of Building Design
- Sustainable Design, Construction and Operation
- Intelligent Controls and Advanced Building Management Systems
- Urban Building Climatology
- Heat and Mass Transfer Phenomena in Urban Buildings
- Applied Lighting Technology
- Guidelines to Integrate Energy Conservation
- Indoor Air Quality
- Applied Energy & Resources Management in the Urban Environment - Economic Methodologies
- Integrated Building Design

*'This book explains how to overcome related challenges in environmental design of urban buildings and offers guidance on the use of new materials and techniques'*

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### Planning at the Landscape Scale

Paul Selman

Routledge

published: 30.07.2006

isbn: 0415351421

product code: 9021

£2700



*'This book sees the role of planning as that of reconciling conflicting demands, reinforcing character'*

Traditionally, landscape planning has involved the designation and protection of exceptional countryside. However, whilst this still remains important, there is a growing recognition of the multi-functionality of rural areas, and the need to encourage sustainable use of the whole countryside rather than just its 'hotspots'.

With an inter-disciplinary assessment of the rural environment, this book draws on theories of landscape values, people-place relationships, sustainable development, and plan implementation. It focuses on the competing influences of globalization and localisation as they are expressed in the landscape: external forces leading to a uniformity of landscapes and a decline in those farming/forestry practices that sustain local distinctiveness, in the context of many people craving a local identity and cherishing inherited patterns of land use.

This book sees the role of planning as that of reconciling these conflicting demands, reinforcing character and distinctiveness without museum-izing rural areas. Selman here examines the 'unmaking' and 'remaking' of landscape character, taking a critical approach to the often conflicting values associated with multi-functional landscapes and giving equal attention to both valued heritage sites and de-valued urban sites.

Taking a 'landscape scale' approach to the topic, this book responds to the interest sparked by concern for rural landscapes and by recent local and national policy shifts in this area.

### The Green Studio Handbook

Alison Kwok & Walter Grondzik

Butterworth Heinemann

published: 30.11.06

isbn: 0750680229

product code: 11590

£39.99



This extensive and user-friendly handbook presents practical guidelines for applying environmental strategies during the schematic design of green buildings.

For each strategy, the book provides: brief descriptions of principles and concepts, step-by-step approaches for integrating technologies into the early stages of design, annotated tables and charts to assist with preliminary design sizing, key issues to be aware of when implementing a given strategy, and references to the most recent international standards and rating systems, guidelines, and internet resources.

The text is reinforced with conceptual sketches and photos in full colour, illustrating each strategy. A discussion of the green design process and case studies of several green building projects puts the strategies presented in context.

Contents include:

- Design Process
- Integrated Design
- Green Design Strategies
- Envelope
- Lighting
- Heating
- Cooling
- Energy Production
- Water and Waste
- Case Studies
- Glossary of terms
- Glossary of buildings



### Close Range Photogrammetry

Thomas Luhmann et al

Whittles Publishing

published: 31.10.06

isbn: 1870325508

product code: 9859

£60.00

This book provides a thorough presentation of the methods, mathematics, systems and applications which comprise the subject of close range photogrammetry, which uses accurate imaging techniques to analyse the three-dimensional shape of a wide range of manufactured and natural objects.

Close range photogrammetry for the most part entirely digital, has become accepted, powerful and readily available technique for engineers and scientists who wish to utilise images to make accurate 3-D measurements of complex objects.

After an introduction, the book provides fundamental mathematics, including orientation, digital imaging, processing and 3-D reconstruction methods, as well as presenting a discussion of imaging technology including targeting and illumination, hardware and software systems.

Finally, it gives a short overview of photogrammetric solutions for typical applications in engineering, manufacturing, medical science, architecture, archaeology and other fields.

Contents include:

- Introduction
- Mathematical fundamentals
- Imaging technology
- Analytical methods
- Digital image processing
- Photogrammetric measuring systems
- Measurement concepts and solutions in practice
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