



# A Handbook on Low-Energy Buildings and District-Energy Systems: Fundamentals, Techniques and Examples

By L.D. Danny Harvey

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## **A Handbook on Low-Energy Buildings and District-Energy Systems: Fundamentals, Techniques and Examples** By L.D. Danny Harvey

Winner of Choice Magazine - Outstanding Academic Titles for 2007 Buildings account for over one third of global energy use and associated greenhouse gas emissions worldwide. Reducing energy use by buildings is therefore an essential part of any strategy to reduce greenhouse gas emissions, and thereby lessen the likelihood of potentially catastrophic climate change. Bringing together a wealth of hard-to-obtain information on energy use and energy efficiency in buildings at a level which can be easily digested and applied, Danny Harvey offers a comprehensive, objective and critical sourcebook on low-energy buildings. Topics covered include: thermal envelopes, heating, cooling, heat pumps, HVAC systems, hot water, lighting, solar energy, appliances and office equipment, embodied energy, buildings as systems and community-integrated energy systems (cogeneration, district heating, and district cooling). The book includes exemplary buildings and techniques from North America, Europe and Asia, and combines a broad, holistic perspective with technical detail in an accessible and insightful manner.

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### **Editorial Review**

#### Review

'I predict that it will become the 'bible' of the field... In my career, it's been difficult to spot a future classic even before it was published, but this is such a classic' Mark D. Levine, Director, Energy Division, Lawrence Berkeley National Lab, USA 'Explains in an easily understandable but not trivial way the factors that affect energy consumption, from building design to HVAC systems and systems serving communities' Michael Holmes, Consultant to Ove Arup, UK 'Technology compendia such as this book will become increasingly valuable as designers rethink conventional patterns to benefit from working with nature, not against it' Stephen Pope, Sustainable Buildings and Communities, Natural Resources Canada 'It will be the definitive sustainability sourcebook in our studio library' Ken Shuttleworth and Gary Rawlings, MAKE Architects, London, UK 'The book is a real tour de force' Professor J. Clarke, Director, Energy Systems Research Unit, University of Strathclyde, Glasgow, UK Since the book was written (published 2006) our energy costs in the world have soared. ... We all need the book now. Geoffrey Brundrett, International Journal of Ambient Energy

#### About the Author

L. D. Danny Harvey is a Professor at the University of Toronto, and brings a 25-year background in computer climate modelling and analysis of energy scenarios to the problem of how to create truly sustainable buildings.

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The reason why? Because this A Handbook on Low-Energy Buildings and District-Energy Systems: Fundamentals, Techniques and Examples is an unordinary book that the inside of the guide waiting for you to snap the item but latter it will distress you with the secret the item inside. Reading this book next to it was fantastic author who also write the book in such wonderful way makes the content on the inside easier to understand, entertaining means but still convey the meaning thoroughly. So , it is good for you for not hesitating having this anymore or you going to regret it. This amazing book will give you a lot of gains than the other book have got such as help improving your expertise and your critical thinking means. So , still want to hold off having that book? If I were you I will go to the reserve store hurriedly.

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