



Steffen Lehmann

Forthcoming book launched **Aug. 2010**



The Principles of Green Urbanism. Transforming the City for Sustainability

How can urbanism ever be green, based on ecological principles? The answer is to use energy-efficient, zero-carbon models based on renewable energy sources and renewable building typologies, and the principles of 'Green Urbanism'. We need to transform and future-proof the post-industrial city through strategies of architectural and urban design. This book presents different models for sustainable urban development, based on the principles of 'Green Urbanism'. Current and emergent forms of urbanism are influenced by climate change, leading to the idea of a new generation of 'zero-emission cities'. These cities are seen as applying new concepts in densification and expansion, designed with energy-efficiency and sustainability as principal criteria. The aim of this type of 'Systems Thinking' is to connect and integrate sustainable design principles with a holistic idea for the future of our cities, to generate future-proof strategies for the revitalization of the urban landscape. The first section of the book clearly explains these principles and how they can be employed, illustrated by clear diagrams for ease of comprehension. The principles as applied are then explored through in-depth case studies of the post-industrial Australian city of Newcastle, which is at an important juncture in its urban evolution. Strategies for 'Green Urbanism' are presented that are both local and global in scope and relevance. This is essential reading for urban designers, architects, landscape architects and researchers/students in these disciplines around the world.

Contents: 912 pages, with over 1000 colour illustrations.
235 x 172mm
Publisher: Earthscan, London www.earthscan.co.uk

Hardcover edition: ISBN HB 978-1-84407-817-2
Paperback edition: ISBN PB 978-1-84407-834-9

Professor Dr. Steffen Lehmann holds the UNESCO Chair in Sustainable Urban Development for Asia and the Pacific. He is also the Chair, Professor of Architectural Design at the University of Newcastle (Australia), and Founding Director of the s_Lab Space Laboratory for Architectural Research and Design. He has been building green buildings and realizing green urbanism since 1992, in Germany, London, Japan, China, and Australia. Over the last 20 years he has presented his research in green urbanism at over 350 conferences in 26 countries. For further information: www.slub.com.au