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Density Cities For Social And  
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# **Designing High Density Cities For Social And Environmental Sustainability**

This book on urban design extends and develops the widely accepted 'compact city' solution. It provides a design proposal for a new kind of sustainable urban landscape: Urban Agriculture. By growing food within an urban rather than exclusively

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rural environment, urban  
agriculture would reduce  
the need for  
industrialized  
production, packaging  
and transportation of  
foodstuffs to the city  
dwelling consumers. The  
revolutionary and  
innovative concepts put  
forth in this book have  
potential to shape the  
future of our cities  
quality of life within  
them. Urban design is  
shown in practice  
through international  
case studies and the  
arguments presented are

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supported by quantified economic, environmental and social justifications.

In the context of urbanization and compact urban living, conventional experience-based planning and design often cannot adequately address the serious environmental issues, such as thermal comfort and air quality. The ultimate goal of this book is to facilitate a paradigm shift from the conventional experience-

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based ways to a more scientific, evidence-based process of decision making in both urban planning and architectural design stage. This book introduces novel yet practical modelling and mapping methods, and provides scientific understandings of the urban typologies and wind environment from the urban to building scale through real examples and case studies. The tools provided in this book

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aid a systematic implementation of environmental information from urban planning to building design by making wind information more accessible to both urban planners and architects, and significantly increasing the impact of urban climate information on the practical urban planning and design. This book is a useful reference book to architectural postgraduates, design practitioners and

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planners, urban climate  
researchers, as well as  
policy makers for  
developing future  
livable and sustainable  
cities.

Designing Cities with  
Children and Young  
People focuses on  
promoting better  
outcomes in the built  
environment for children  
and young people in  
cities across the world.  
This book presents the  
experience of  
practitioners and  
researchers who actively  
advocate for and

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participate with children and youth in planning and designing urban environments. It aims to cultivate champions for children and young people among urban development professionals, to ensure that their rights and needs are fully acknowledged and accommodated. With international and interdisciplinary contributors, this book sets out to build bridges and provide resources for policy

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makers, social planners,  
design practitioners and  
students. The content  
moves from how we  
conceptualize children  
in the built  
environment, what we  
have discovered through  
research, how we frame  
the task and legislate  
for it, and how we  
design for and with  
children. Designing  
Cities with Children and  
Young People ultimately  
aims to bring about  
change to planning and  
design policies and  
practice for the benefit



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of children and young  
people in cities  
everywhere.

Who makes our cities,  
and what part do  
everyday users have in  
the design of cities?  
This book powerfully  
shows that city-making  
is a social process and  
examines the close  
relationship between the  
social and physical  
shaping of urban  
environments. With  
cities taking a growing  
share of the global  
population, urban forms  
and urban experience are

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crucial for understanding social injustice, economic inequality and environmental challenges. Current processes of urbanization too often contribute to intensifying these problems; cities, likewise, will be central to the solutions to such problems. Focusing on a range of cities in developed and developing contexts, *Cities by Design* highlights major aspects

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of contemporary  
urbanization: urban  
growth, density and  
sustainability;  
inequality, segregation  
and diversity;  
informality, environment  
and infrastructure.

Offering keen insights  
into how the shaping of  
our cities is shaping  
our lives, *Cities by  
Design* provides a  
critical exploration of  
key issues and debates  
that will be invaluable  
to students and scholars  
in sociology and  
geography, environmental

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and urban studies,  
architecture, urban  
design and planning.

Urban Schools

Urban Design With Nature

Ten Principles for

Developing Successful

Town Centers

Integrated Climate-

Sensitive Planning and

Design

Challenges and

Opportunities for the

United States

Transforming Our Cities

for the Health,

Wellbeing and Happiness

of Children

For Everyone a Garden

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Hong Kong is the twenty-first-century paradigmatic capital of consumerism. Of all places, it has the densest and tallest concentration of malls, reaching tens of stories. Hong Kong's malls are also the most visited, sandwiched between subways and skyscrapers. These mall complexes have become cities in and of themselves, accommodating tens of thousands of people who live, work, and play

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within a single structure. Mall City features Hong Kong as a unique rendering of an advanced consumer society. Retail space has come a long way since the nineteenth-century covered passages of Paris, which once awed the bourgeoisie with glass roofs and gaslights. It has morphed from the arcade to the department store, and from the mall into the "mall city"—where "expresscalators" crisscross mesmerizing

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atriums. Highlighting the effects of this development in Hong Kong, this book raises questions about architecture, city planning, culture, and urban life. "At the nexus of density, humidity, topography, and prosperity, Hong Kong has spawned more malls per square mile than any place on earth. This fantastic book decodes and graphically depicts an environment both apart and ubiquitous, a convulsive

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form of public space in a liquid territory where intensely contested politics, commerce, and sociability weirdly merge in a city like no other.” —Michael Sorkin, distinguished professor of architecture of the City University of New York “Hong Kong may be packed with the most shopping malls per square kilometer in the world, but Mall City is packed with the most drawings, information, and fascinating mall facts. The book



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dissects, categorizes, and displays all kinds of intriguing data on the city-state's shopping complexes and culture. Its richly layered analysis perfectly matches Hong Kong's multi-story machines for consumption." —Clifford Pearson, director of USC American Academy in China "Stefan Al has again produced a book that provides a sharp lens on radically new urban forms that are emerging in China. While

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his previous books, Villages in the City and Factory Towns of South China introduced the site of production and housing for the migrant labor of the Pearl River Delta, here we enter the phantasmagoria of the enormous interconnected free-trade shopping zone of the Hong Kong Special Administrative Region. Mall City dissects the basic unit of this climate-controlled consumer landscape—the mall. This beautifully

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illustrated book is a must-read for those who wish to understand the future of public space in high-density cities."

—Brian McGrath,  
professor of urban design and dean of constructed environments, Parsons School of Design

The appearance of Oscar Newman's *Defensible Space* in 1972 signaled the establishment of a new criminological subdiscipline that has come to be called by many Crime Prevention

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Through Environmental Design or CPTED. Over the years, Mr. Newman's ideas have proven to have significant merit in helping the Nation's citizens reclaim their urban neighborhoods. This casebook will assist public & private organizations with the implementation of Defensible Space theory. This monograph draws directly from Mr. Newman's experience as consulting architect. Illustrations.

The tropical belt –

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where large areas of South East Asia, India, Africa and parts of both North and South America are located – forms the biggest landmass in the world and has one of the highest numbers of rapidly developing cities. Coincidentally, architecture in these regions shares common problems, the most easily identifiable being the tropical conditions of climate and natural environment. The context for architecture here is

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fraught with conflicts between tradition and modernization, massive influx of rural poor into urban areas, poorly managed rapid urban development as well as the cultural and social strain of globalization. Many local and overseas architects, planners and city fathers are interested in the social and environmental dimensions of these areas that contribute towards short terms solutions and long term sustainable

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developments. This book, developed from the first conference of the International Network for Tropical Architecture, supplies a wealth of information from experts worldwide covering the cultural, environmental and technical aspects of thinking, researching and designing for the tropics.

The creation of metropolitan areas is influenced by a wide array of factors, both practical and

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ecological. They can also be influenced by immaterial characteristics of a given area. The Handbook of Research on Perception-Driven Approaches to Urban Assessment and Design is a scholarly resource that assesses metropolitan development and its relation to the ecological and sustainability issues these areas face. Featuring coverage on a wide range of topics such as user-centered



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urban planning, perception of urban landscapes, and thermal comfort in urban contexts, this publication is geared toward professionals, practitioners, researchers, and students seeking relevant research on the effective planning of metropolitan areas and their relation to the ecological and sustainability issues that face such areas. A Methodology for Sustainable Urban

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Design Strategies for  
the Post Carbon World  
Energy, Cooling and  
Urban Form: The Asian  
Perspective

Designing High-density  
Cities for Social and  
Economic Sustainability  
The New Companion to  
Urban Design

Why Living Smaller,  
Living Closer, and  
Driving Less Are the  
Keys to Sustainability

How Markets Shape Cities

An argument that operational  
urban planning can be improved  
by the application of the tools of

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urban economics to the design of regulations and infrastructure.

Urban planning is a craft learned through practice. Planners make rapid decisions that have an immediate impact on the ground—the width of streets, the minimum size of land parcels, the heights of buildings. The language they use to describe their objectives is qualitative—“sustainable,” “livable,” “resilient”—often with no link to measurable outcomes. Urban economics, on the other hand, is a quantitative science, based on theories, models, and empirical evidence largely developed in academic settings.

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In this book, the eminent urban planner Alain Bertaud argues that applying the theories of urban economics to the practice of urban planning would greatly improve both the productivity of cities and the welfare of urban citizens. Bertaud explains that markets provide the indispensable mechanism for cities' development. He cites the experience of cities without markets for land or labor in pre-reform China and Russia; this "urban planners' dream" created inefficiencies and waste. Drawing on five decades of urban planning experience in forty cities around the world,

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Bertaud links cities' productivity to the size of their labor markets; argues that the design of infrastructure and markets can complement each other; examines the spatial distribution of land prices and densities; stresses the importance of mobility and affordability; and critiques the land use regulations in a number of cities that aim at redesigning existing cities instead of just trying to alleviate clear negative externalities. Bertaud concludes by describing the new role that joint teams of urban planners and economists could play to improve the way cities are managed.

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Complex Housing introduces an architectural type called complex housing, common to the Netherlands and found in other Northern European countries. Eight fully illustrated case studies show successful approaches to designing for density, which reflect values such as long-term planning, a right to housing, and access to light and air. The case studies demonstrate a wide range of applications including a mixture of urban and suburban sites, various numbers of dwelling units, low- to high-density approaches, different architectural styles, and organizational strategies that can

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be adopted in projects elsewhere. More than 350 color images.

Compact living is sustainable living. High-density cities can support closer amenities, encourage reduced trip lengths and the use of public transport and therefore reduce transport energy costs and carbon emissions. High-density planning also helps to control the spread of urban suburbs into open lands, improves efficiency in urban infrastructure and services, and results in environmental improvements that support higher quality of life in cities. Encouraging, even

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requiring, higher density urban development is a major policy and a central principle of growth management programmes used by planners around the world. However, such density creates design challenges and problems. A collection of experts in each of the related architectural and planning areas examines these environmental and social issues, and argues that high-density cities are a sustainable solution. It will be essential reading for anyone with an interest in sustainable urban development. This edited book surveys the major sustainability challenges facing Asian cities, in particular



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those related to urban energy and city cooling. The book discusses the key concepts and issues involved, addressing the three levels of micro (individual buildings), meso (neighbourhoods/districts) and macro (whole or large parts of cities). It illustrates different paradigms of urban development and explores how to create cooler cities by applying integrated sustainable design and planning on all three levels, bridging the gap between specialist approaches by highlighting both built projects, processes, and research. It also raises questions about prevalent

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paradigms of urban development as well as topics relating to urban district cooling solutions, sustainable construction materials, and processes towards effective delivery of sustainable cities. Providing cutting edge insights into hot climate cities in Asia, this text is also pertinent for the study of cities in other world regions, notably in developing countries, and of broad relevance to sustainable urban planning in all contexts.

Soft City

Hong Kong's Dreamworlds of Consumption

The Image of the City

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## Visualizing Density

## Cities Full of Space

## Building Density for Everyday

## Life

## Order without Design

Cities have experienced an unprecedented rate of growth in the last decade. More than half the world's population lives in urban areas, with the U.S. percentage at 80 percent. Cities have captured more than 80 percent of the globe's economic activity and offered social mobility and economic prosperity to millions by clustering creative, innovative, and educated individuals and organizations. Clustering populations, however, can compound both positive and negative conditions, with many

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modern urban areas experiencing growing inequality, debility, and environmental degradation. The spread and continued growth of urban areas presents a number of concerns for a sustainable future, particularly if cities cannot adequately address the rise of poverty, hunger, resource consumption, and biodiversity loss in their borders. Intended as a comparative illustration of the types of urban sustainability pathways and subsequent lessons learned existing in urban areas, this study examines specific examples that cut across geographies and scales and that feature a range of urban sustainability challenges and opportunities for collaborative learning across metropolitan

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regions. It focuses on nine cities across the United States and Canada (Los Angeles, CA, New York City, NY, Philadelphia, PA, Pittsburgh, PA, Grand Rapids, MI, Flint, MI, Cedar Rapids, IA, Chattanooga, TN, and Vancouver, Canada), chosen to represent a variety of metropolitan regions, with consideration given to city size, proximity to coastal and other waterways, susceptibility to hazards, primary industry, and several other factors.

The Urban Climate Change Research Network's Second Assessment Report on Climate Change in Cities (ARC3.2) is the second in a series of global, science-based reports to examine climate risk, adaptation, and mitigation efforts in cities. The

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book explicitly seeks to explore the implications of changing climatic conditions on critical urban physical and social infrastructure sectors and intersectoral concerns. The primary purpose of ARC3.2 is to inform the development and implementation of effective urban climate change policies, leveraging ongoing and planned investments for populations in cities of developing, emerging, and developed countries. This volume, like its predecessor, will be invaluable for a range of audiences involved with climate change and cities: mayors, city officials and policymakers; urban planners; policymakers charged with developing climate change mitigation and adaptation

programs; and a broad spectrum of researchers and advanced students in the environmental sciences.

Conventional air conditioning is not a sustainable solution to the challenge of a hot or humid climate. The climate problem is compounded in so-called Urban Heat Islands, urban areas where the air can be 3-5°C hotter than its surrounding areas and where pollution levels are consequently raised. Including a colour section with thermal images and maps, this book explores the complex relationships between climate, buildings and plants, especially in urban heat islands. These relationships bear very critically on a range of environmental issues and point to some

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corresponding solutions. One chapter highlights some of the extensive research work carried out in Singapore, especially investigating the thermal benefits of greenery in buildings in the urban setting. Though several books have been written on urban heat islands, this work uniquely examines the linkages between climate, buildings and plants. It forms a reference for researchers and professionals such as architects, architectural science, landscape architects, building services engineers, urban planners and urban climatologists. It may also be useful for final year undergraduates or graduate students in these disciplines. Designing High-density Cities for



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Social and Environmental Sustainability  
Earthscan  
Second Assessment Report of the Urban Climate Change Research Network  
Urban Wind Environment  
Growing Compact  
Pathways to Urban Sustainability  
Towards a More Sustainable Urban Form  
Vertical Urbanism  
Tropical Urban Heat Islands  
***Given the significant benefits of play on children's health, wellbeing and happiness, the design of a new residential community should begin with the question: How can we provide the youngest residents with opportunities to freely play outdoors, walk***

***independently, and feel a sense of belonging and ownership within their communities? This publication, funded by the Winston Churchill Memorial Trust, explores various design interventions and policies from around the world, which aim to improve liveability for children and their families living in urban environments.***

***For more than forty years Jan Gehl has helped to transform urban environments around the world based on his research into the ways people actually use—or could use—the spaces where they live and work. In this revolutionary book, Gehl presents his latest***

***work creating (or recreating) cityscapes on a human scale. He clearly explains the methods and tools he uses to reconfigure unworkable cityscapes into the landscapes he believes they should be: cities for people. Taking into account changing demographics and changing lifestyles, Gehl emphasizes four human issues that he sees as essential to successful city planning. He explains how to develop cities that are Lively, Safe, Sustainable, and Healthy. Focusing on these issues leads Gehl to think of even the largest city on a very small scale. For Gehl, the urban***

***landscape must be considered through the five human senses and experienced at the speed of walking rather than at the speed of riding in a car or bus or train. This small-scale view, he argues, is too frequently neglected in contemporary projects. In a final chapter, Gehl makes a plea for city planning on a human scale in the fast-growing cities of developing countries. A "Toolbox," presenting key principles, overviews of methods, and keyword lists, concludes the book. The book is extensively illustrated with over 700 photos and drawings of examples from Gehl's work***

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*around the globe.*

*Studies of compact cities have evolved along with the rising awareness of climate change and sustainable development. Relevant debates, however, reveal that the prevailing definitions and practices of compact cities are tied primarily to traditional Western urban forms. This book reinterprets "compact city", and develops a groundbreaking discourse of "Vertical Urbanism", a concept that has never been critically articulated. It emphasizes "Vertical Urbanism" as a dynamic design strategy instead of a static form,*

***distinguishing it from the stereotyped concept of "vertical city" or "towers in the park" dominant in China and elsewhere, and suggests its adaptability to different geographic and cultural contexts. Using Chinese cities as laboratories of investigation, this book explores the design, ecological, and sociocultural dimensions of building compact cities, and addresses important global urban issues through localized design solutions, such as the relationship between density and vitality, the integration of horizontal and vertical dimensions of design, and the***

***ecological and social adaptability of combinatory mega-forms. In addition, through discussions with scholars from the United States, China, and Japan, this book provides an insight into the theoretical debates surrounding "compact city" and "Vertical Urbanism" in the global context. Scholars and students in architecture and urban planning will be attracted by this book. Also, it will appeal to readers with an interest in urban development and Asian studies.***

***"A journalist travels the world and investigates current socioeconomic theories of***

***happiness to discover why  
most modern cities are  
designed to make us  
miserable, what we can do to  
change this, and why we have  
more to learn from poor cities  
than from prosperous ones"--  
Designing High-Density Cities  
Sustainable Urbanism  
The Social Life of Urban Form  
Cities for People  
Urban Form, Density and  
Sustainability  
Site Design Guidelines for the  
Planning of Medium-Density  
Family Housing  
Designing Compact Cities in  
China  
Look out for David Owen's  
next book, Where the Water***



**Goes. A challenging, controversial, and highly readable look at our lives, our world, and our future. Most Americans think of crowded cities as ecological nightmares, as wastelands of concrete and garbage and diesel fumes and traffic jams. Yet residents of compact urban centers, Owen shows, individually consume less oil, electricity, and water than other Americans. They live in smaller spaces, discard less trash, and, most important of all, spend far less time in automobiles. Residents of Manhattan—the most densely**

**populated place in North America—rank first in public-transit use and last in percapita greenhouse-gas production, and they consume gasoline at a rate that the country as a whole hasn't matched since the mid-1920s, when the most widely owned car in the United States was the Ford Model T. They are also among the only people in the United States for whom walking is still an important means of daily transportation. These achievements are not accidents. Spreading people thinly across the countryside may make them feel green, but**

**it doesn't reduce the damage they do to the environment. In fact, it increases the damage, while also making the problems they cause harder to see and to address. Owen contends that the environmental problem we face, at the current stage of our assault on the world's nonrenewable resources, is not how to make teeming cities more like the pristine countryside. The problem is how to make other settled places more like Manhattan, whose residents presently come closer than any other Americans to meeting**

**environmental goals that all of us, eventually, will have to come to terms with.**

**Each century has its own unique approach toward addressing the problem of high density and the 21st century is no exception. As cities try to cope with rapid population growth - adding 2.5 billion dwellers by 2050 - and grapple with destructive sprawl, politicians, planners and architects have become increasingly interested in the vertical city paradigm.**

**Unfortunately, cities all over the world are grossly unprepared for integrating tall**

**buildings, as these buildings may aggravate multidimensional sustainability challenges resulting in a “vertical sprawl” that could have worse consequences than “horizontal” sprawl. By using extensive data and numerous illustrations this book provides a comprehensive guide to the successful and sustainable integration of tall buildings into cities. A new crop of skyscrapers that employ passive design strategies, green technologies, energy-saving systems and innovative renewable energy**

**offers significant architectural improvements. At the urban scale, the book argues that planners must integrate tall buildings with efficient mass transit, walkable neighbourhoods, cycling networks, vibrant mixed-use activities, iconic transit stations, attractive plazas, well-landscaped streets, spacious parks and engaging public art. Particularly, it proposes the Tall Building and Transit Oriented Development (TB-TOD) model as one of the sustainable options for large cities going forward. Building on the work of leaders in the**

**fields of ecological and sustainable design, this book will open readers' eyes to a wider range of possibilities for utilizing green, resilient, smart, and sustainable features in architecture and urban planning projects. The 20 chapters offer comprehensive reading for all those interested in the planning, design, and construction of sustainable cities.**

**Rapid urbanization, higher density and more compact cities have brought about a new science of urban climatology. An understanding of the mapping of this**

**phenomenon is crucial for urban planners. The book brings together experts in the field of Urban Climatic Mapping to provide the state of the art understanding on how urban climatic knowledge can be made available and utilized by urban planners. The book contains the technology, methodology, and various focuses and approaches of urban climatic map making. It illustrates this understanding with examples and case studies from around the world, and it explains how urban climatic information can be analysed, interpreted and**



**applied in urban planning. The book attempts to bridge the gap between the science of urban climatology and the practice of urban planning. It provides a useful one-stop reference for postgraduates, academics and urban climatologists wishing to better understand the needs for urban climatic knowledge in city planning; and urban planners and policy makers interested in applying the knowledge to design future sustainable cities and quality urban spaces.**

**Concentrating on the planning and design of cities, the three**

**sections take a logical route through the discussion from the broad considerations at regional and city scale, to the larger city at high and lower densities through to design considerations on the smaller block scale. Key design issues such as access to facilities, access for sunlight, life cycle analyses, and the impact of communications on urban design are tackled, and in conclusion, the research is compared to large scale design examples that have been proposed and/or implemented over the past decade to give a vision for the**

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**future that might be  
achievable.**

**Cities by Design**

**Happy City: Transforming Our  
Lives Through Urban Design**

**Designing Child-Friendly High  
Density Neighbourhoods**

**Continuous Productive Urban  
Landscapes**

**Designing High-density Cities  
for Social and Environmental  
Sustainability**

**Tropical Sustainable  
Architecture**

**Designing Cities with Children  
and Young People**

Accompanying CD-ROM contains ... "the  
images in the Density Catalog to facilitate  
their noncommercial use in public

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discussions and education

programs."--Page vii.

Moshe Safdie achieved worldwide recognition as an architect when his very first building, Habitat 67, at Expo in Montreal, proved to be eminently livable. He was also enthusiastically praised as a writer on architectural and human values after the publication of his first book, *Beyond Habitat* (The MIT Press, 1970). He has since added to his luster a number of exciting architectural projects, and now this second book, *For Everyone a Garden*, goes beyond *Beyond Habitat* in several ways: it provides further detail and technical specificity of Safdie's experience with industrialized building methods for architects and engineers; it updates the status of ongoing projects; and, best of all, it throws off a cascade of sparkling new ideas about people, building, planning, sites, processes, and their interactions. His

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readers will be glad to know that he remains as outspoken as ever. The book is an integral synthesis of words and pictures. The greater part of its total net area is devoted to illustrations about 125 drawings, 165 halftones, and 5 color photographs, supported by substantial captions while the text proper puts these into perspective from four thematic points of view: the idea of the three-dimensional community; the requirements and possibilities of human habitation, ranging in amenity from the minimal to the luxurious; the techniques of building in the factory, with a case study that includes a typical plant layout and simplified flow diagrams; and the attributes of well-planned urban meeting places, whether in Jerusalem, Paris, or San Francisco. The specific projects discussed in the book range from a proposal to convert Expo into a viable community of a quarter-

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million people after the close of the exhibition to his plans for a synagogue and rabbinical college near the Western Wall in Jerusalem. There are also reports on Safdie's more recent commissions, including the following: Two projects intended for Manhattan along the East River. In one, the pre-built housing modules were to be suspended from cables. For everyone, a garden and a view. The original plans for Habitat Puerto Rico, a cluster of modules clinging to a hillside, and a geometric variation designed to root like a cactus to a rocky peninsula in the Virgin Islands. For everyone, a private garden within a natural community garden. Habitat Israel: even near the desert, a garden terrace for every family. Habitat Rochester, a community for low- and moderate-income families, with units of minimal size, but all with a small terrace beyond sliding glass doors.

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Coldspring New Town, Baltimore, a Commission of 1971. It promises to be one of the few "garden cities" in America to live up to the name in reality."

Detroit is nowadays know for what you see below -- an abandoned city. Once bustling businesses, hotels, and theaters are now in ruin due to Detroit's economic downtown. The vision of the Detroit risen, Detroit driven proposal is that of redemption and renewal. It aims at promoting urban reuse, regeneration, and development.

Questions of how to green the North American economy, create a green energy and transportation infrastructure, and halt the deadly increase in greenhouse gas buildup dominate our daily news. Related questions of how the design of cities can impact these challenges dominate the thoughts of urban planners and designers across the U.S. and Canada. With

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admirable clarity, Patrick Condon discusses transportation, housing equity, job distribution, economic development, and ecological systems issues and synthesizes his knowledge and research into a simple-to-understand set of urban design rules that can, if followed, help save the planet. No other book so clearly connects the form of our cities to their ecological, economic, and social consequences. No other book takes on this breadth of complex and contentious issues and distills them down to such convincing and practical solutions. And no other book so vividly compares and contrasts the differing experiences of U.S. and Canadian cities. Of particular new importance is how city form affects the production of planet-warming greenhouse gases. The author explains this relationship in an accessible way, and goes on to show how conforming to seven



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simple rules for community design could literally do a world of good. Each chapter in the book explains one rule in depth, adding a wealth of research to support each claim. If widely used, Condon argues, these rules would lead to a much more livable world for future generations—a world that is not unlike the better parts of our own.

Seven Rules for Sustainable Communities  
Complex Housing  
Beyond Playgrounds and Skate Parks  
The Vertical City

Cities For A Small Planet  
The Urban Climatic Map  
Written by the chair of the LEED-Neighborhood Development (LEED-ND) initiative, *Sustainable Urbanism: Urban Design with Nature* is both an urgent call to action and a

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comprehensive introduction to "sustainable urbanism"--the emerging and growing design reform movement that combines the creation and enhancement of walkable and diverse places with the need to build high-performance infrastructure and buildings. Providing a historic perspective on the standards and regulations that got us to where we are today in terms of urban lifestyle and attempts at reform, Douglas Farr makes a powerful case for sustainable urbanism, showing where we went wrong, and where we need to go. He then explains how to implement sustainable urbanism through leadership and communication in cities, communities, and neighborhoods. Essays written by Farr

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and others delve into such issues as: Increasing sustainability through density. Integrating transportation and land use. Creating sustainable neighborhoods, including housing, car-free areas, locally-owned stores, walkable neighborhoods, and universal accessibility. The health and environmental benefits of linking humans to nature, including walk-to open spaces, neighborhood stormwater systems and waste treatment, and food production. High performance buildings and district energy systems. Enriching the argument are in-depth case studies in sustainable urbanism, from BedZED in London, England and Newington in Sydney, Australia, to New Railroad Square in Santa Rosa, California and Dongtan, Shanghai,

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China. An epilogue looks to the future of sustainable urbanism over the next 200 years. At once solidly researched and passionately argued, Sustainable Urbanism is the ideal guidebook for urban designers, planners, and architects who are eager to make a positive impact on our--and our descendants'--buildings, cities, and lives.

Growing Compact: Urban Form, Density and Sustainability explores and unravels the phenomena, links and benefits between density, compactness and the sustainability of cities. It looks at the socio-climatic implications of density and takes a more holistic approach to sustainable urbanism by understanding the correlations between the social, economic and

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environmental dimensions of the city, and the challenges and opportunities with density. The book presents contributions from internationally well-known scholars, thinkers and practitioners whose theoretical and practical works address city planning, urban and architectural design for density and sustainability at various levels, including challenges in building resilience against climate change and natural disasters, capacity and integration for growth and adaptability, ageing, community and security, vegetation, food production, compact resource systems and regeneration. When space is tight how can a city provide the best education experience for children? Is a multi-storey school really a poor option? Can high-quality

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play opportunities be provided without playgrounds? This book explores the design of schools in urban settings, the increased challenges in meeting the typical expectations of school design, and what the successful new typology of a school in a city might be. A practical guide as well as a theoretical exploration of ideas, this book outlines successful international contemporary and historical case studies, providing much-needed guidance for architects and others working in education design in dense urban environments.

The New Companion to Urban Design continues the assemblage of rich and critical ideas about urban form and design that began with the Companion to Urban Design (Routledge, 2011).

With chapters from a new set of

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contributors, this sequel offers a more comparative perspective representing multiple voices and perspectives from the Global South. The essays in this volume are organized in three parts: Part I: Comparative Urbanism; Part II: Challenges; and Part III: Opportunities. Each part contains distinct sections designed to address specific themes, and includes a list of annotated suggested further readings at the end of each chapter. Part I: Comparative Urbanism examines different variants of urbanism in the Global North and the Global South, produced by a new economic order characterized by the mobility of labor, capital, information, and technology. Part II: Challenges discusses some of the contemporary challenges that cities

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of the Global North and the Global South are facing and the possible role of urban design. This part discusses spatial claims and conflicts, challenges generated by urban informality, explosive growth or dramatic shrinkage of the urban settlement, gentrification and displacement, and mimesis, simulacra and lack of authenticity. Part III: Aspirations discusses some normative goals that urban design interventions aspire to bring about in cities of the Global North and the Global South. These include resilience and sustainability, health, conservation/restoration, justice, intelligence, access and mobility, and arts and culture. The New Companion to Urban Design is primarily intended for scholars and graduate students



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interested in cities and their built environment. It offers an invaluable and up-to-date guide to current thinking across a range of disciplines including urban design, planning, urban studies, and geography.

Context Sensitive Solutions in Designing Major Urban

Thoroughfares for Walkable Communities

Designing for High Density

Future Forms and Design For Sustainable Cities

Designing Cooler Cities

Mall City

Designing the City

Climate Change and Cities

**Designing the City looks at current urban problems in cities and demonstrates**

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how effective urban design can address social, economic and environmental issues as well as the physical planning at local level. The book is highly visual and illustrates the topic with a variety of sketches, line drawings, axonometrics and models. The author draws upon the valuable experience gained by the City of Glasgow and compares its solutions - successful and less successful - with projects in a variety of European countries. Imagine waking up to the gentle noises of the city,

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and moving through your day with complete confidence that you will get where you need to go quickly and efficiently. Soft City is about ease and comfort, where density has a human dimension, adapting to our ever-changing needs, nurturing relationships, and accommodating the pleasures of everyday life. How do we move from the current reality in most cities—separated uses and lengthy commutes in single-occupancy vehicles that drain human, environmental, and

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community resources—to support a soft city approach? In *Soft City* David Sim, partner and creative director at Gehl, shows how this is possible, presenting ideas and graphic examples from around the globe. He draws from his vast design experience to make a case for a dense and diverse built environment at a human scale, which he presents through a series of observations of older and newer places, and a range of simple built phenomena, some traditional and some

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totally new inventions.

Sim shows that increasing density is not enough. The soft city must consider the organization and layout of the built environment for more fluid movement and comfort, a diversity of building types, and thoughtful design to ensure a sustainable urban environment and society.

Soft City begins with the big ideas of happiness and quality of life, and then shows how they are tied to the way we live. The heart of the book is highly visual and shows the

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building blocks for neighborhoods: building types and their organization and orientation; how we can get along as we get around a city; and living with the weather. As every citizen deals with the reality of a changing climate, *Soft City* explores how the built environment can adapt and respond. *Soft City* offers inspiration, ideas, and guidance for anyone interested in city building. *Sim* shows how to make any city more efficient, more livable,

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and better connected to the environment.

The classic work on the evaluation of city form.

What does the city's form actually mean to the people who live there?

What can the city planner do to make the city's image more vivid and memorable to the city dweller?

To answer these questions, Mr. Lynch,

supported by studies of Los Angeles, Boston, and

Jersey City, formulates a new

criterion—imageability—and shows its potential value

as a guide for the

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building and rebuilding of cities. The wide scope of this study leads to an original and vital method for the evaluation of city form. The architect, the planner, and certainly the city dweller will all want to read this book.

Cities throughout the world are becoming increasingly inefficient in their management of the space available to them. Personal land use is also increasing dramatically; in the Netherlands for instance, this is now twelve times what it was a century ago. And this



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development is expected to continue worldwide. We must build in higher densities in the cities if the landscape is not to be swallowed up by them. It will mean coaxing people into moving into these compact cities, which will only work if they have an aggregate of cultural and spatial qualities on offer. In his architectural practice and as a professor at Delft University of Technology, Rudy Uytengaak conducted a study into the densities of the built environment and into ways of offering

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sufficient spatial compensation for the achieved density. His research led him to formulate a number of specific measures and proposals. *Cities Full of Space* describes the results of this study and features a great many projects illustrating the quest for ideal plans and sections in residential buildings. Uytenga draws on examples from his own work as well as from that of other architects. *Creating Defensible Space Housing As If People Mattered*

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Environmental Sustainability

**Designing for Density**

**Qualities of Density**

**Detroit Driven Detroit**

**Risen**

**A Sustainable Development**

**Model**

**Handbook of Research on**

**Perception-Driven**

**Approaches to Urban**

**Assessment and Design**

**Nothing else damages the earth's environment more than our cities. As the world's population has grown, our cities have burgeoned, and their impact on the environment worsened. Meanwhile, from the isolated, gated communities within Houston and Los Angeles, to the millions of residents of Bombay living in squalor, the city has failed**

**to serve its ideal function—as the cradle of civilization, the engine of culture, and the inspiration for community and citizenship. In *Cities for a Small Planet*, Sir Richard Rogers, one of the world's leading architects and the designer of the Pompidou Center in Paris, demonstrates how future cities could provide the springboard for restoring humanity's harmony with its environment. Rogers outlines the disastrous impact cities have had and will continue to have on our world, from waste-saturated Tokyo Bay, to the massive plumes of pollution caused by London's traffic, to the depleted water resources of Mexico City. He traces these problems to the underlying social**

**and cultural values that create them—unchecked commercial zeal, selfish individualism, and a lack of community. Bringing to bear concepts such as that of “open-minded” space—places within cities that serve multiple functions such as markets, parks, and sidewalk cafes—he explains how urban design can be used to give citizens a sense of shared experience. The city built with comfortable and safe public space can bring diverse groups together and breed a sense of tolerance, awareness, identity, and mutual respect. He calls for a new theoretical shift in the way cities do business and interact with the environment, arguing that many products come to market and are**

**sold without figuring their social or environmental cost. Rogers goes on to describe the city of the future: one that is sustainable within its own environment; that can make a positive impact on its surroundings; that encourages communication among its citizens; that is compact and focused around neighborhoods; and that is beautiful, a city whose buildings and spaces spark the creative potential of its inhabitants. As our population grows larger, our planet grows smaller. Cities for a Small Planet is a passionate and eloquent blueprint for the cities we must create in response, cities that provide for the needs of both their residents and the earth on which they live.**

**From the Introduction: Consider these two places: Walking into Green Acres, you immediately sense that you have entered an oasis-traffic noise left behind, negative urban distractions out of sight, children playing and running on the grass, adults puttering on plant-filled balconies. Signs of life and care for the environment abound.**

**Innumerable social and physical clues communicate to visitors and residents alike a sense of home and neighborhood. This is a place that people are proud of, a place that children will remember in later years with nostalgia and affection, a place that just feels "good." Contrast this with Southside Village. Something does not feel quite right. It is hard to**

**find your way about, to discern which are the fronts and which are the backs of the houses, to determine what is "inside" and what is "outside." Strangers cut across what might be a communal backyard. There are no signs of personalization around doors or on balconies. Few children are around; those who are outside ride their bikes in circles in the parking lot There are few signs of caring; litter, graffiti, and broken light fixtures indicate the opposite. There is no sense of place; it is somewhere to move away from, not somewhere to remember with pride. These are not real locations, but we have all seen places like them. The purpose of this book is to assist in the creation of more places like**



**Green Acres and to aid in the rehabilitation of the many Southside Villages that scar our cities. This book is a collection of guidelines for the site design of low-rise, high-density family housing. It is intended as a reference tool, primarily for housing designers and planners, but also for developers, housing authorities, citizens' groups, and tenants' organizations-anyone involved in planning or rehabilitating housing. It provides guidelines for the layout of buildings, open spaces, community facilities, play areas, walkways, and the myriad components that make up a housing site.**

**Climate, Buildings and Greenery  
Green Metropolis**