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The Green House New Directions in Sustainable Architecture *Princeton Architectural Press* From the arid deserts of Tucson, Arizona to the icy forests of Poori, Finland to the tropical beaches of New South Wales, Australia to the urban jungle of downtown Manhattan, critics **Alanna Stang** and **Christopher Hawthorne** have travelled to the farthest reaches of the globe to find all that is new in the design of sustainable, or "green" homes. The result is more than thirty-five residences in fifteen countries, and nearly every conceivable natural environment, designed by a combination of star architects and heretofore unknown practitioners including **Santiago Calatrava**, **Shigeru Ban**, **Miller/Hull**, **Rick Joy**, **Lake Flato**, **Kengo Kuma**, **Glenn Murcutt**, **Pugh & Scarpa**, **Werner Sobek**, and many others. Projects are presented with large colour images, plans, drawings, and an accompanying text that describes their green features and explains how they work with and in the environment. The Green House is not only a beautiful object in its own right, but is sure to be an indispensable reference for anyone building or interested in sustainable design. **Green Houses New Directions in Sustainable Architecture** An ecological house, also known as the sustainable house, refers to a structure and process which are environmentally responsible. That is, an efficient resource management is incorporated throughout the life cycle of the building, including design, building, use and maintenance. **New Directions in Sustainable Design** *Routledge* Recently there has been a plethora of work published on the topic of sustainability, much of which is purely theoretical or technical in its approach. More often than not these books fail to introduce readers to the larger challenge of what thinking sustainably might entail. Combining a series of well know authors in contemporary philosophy with established practitioners of sustainable design, this book develops a coherent theoretical framework for how theories of sustainability might engage with the growing practice of design. This book: brings together new and emerging perspectives on sustainability provides cohesive and jargon-free reading articulates the specificity of both theory and practice, to develop a symbiotic relationship which allows the reader to understand what thinking sustainably entails This volume describes a variety of new ways to approach sustainable design and it equips the next generation of designers with necessary conceptual tools for thinking sustainably. **Towards a Liveable and Sustainable Urban Environment Eco-cities in East Asia** *World Scientific* With cities rapidly encroaching onto surrounding lands, the notion of "eco-city" proposes an innovative yet pragmatic approach to designing, building and operating cities in a way that the destructive impact of human urban activity upon nature will be significantly reduced. This book comprises of papers from a workshop organized by the East Asian Institute on Eco-cities in East Asia on 27 February 2009 in Singapore. Contributed by scholars, officials and environmental specialists from Japan, China, Malaysia, Indonesia, Thailand and the Philippines, the papers focus on how individual governments in these countries undertake eco-city projects. The book also highlights best practices that are useful to policy makers and anyone else who seeks to learn from the experiences of other countries in order to reduce their ecological footprints. **Frontiers of Business, Management and Economics An Interdisciplinary Collection of Managerial Research Findings and Breakthroughs** *Universal-Publishers* This edited book is a compilation of research studies conducted in the areas of business, management and economics. These cutting-edge articles will be of interest to researchers, academics, and business managers. **Green Building Illustrated** *John Wiley & Sons* "Green Building Illustrated is a must-read for students and professionals in the building industry. The combination of incredibly expressive illustrations and accessible technical writing make concepts of green building on paper as intuitive as they would be if you toured a space with experts in sustainable building." —Rick Fedrizzi, President, CEO, and Founding Chair of the U.S. Green Building Council "The authors of Green Building Illustrated deliver clear and intelligent text, augmented by straightforward but compelling illustrations describing green building basics. This comprehensive book covers everything from the definition of green building, to details of high performance design, to sensible applications of renewable energy. This is a book with appeal for all architects and designers, because it addresses general principles such as holistic and integrated design, along with practical realities like affordability and energy codes. Green Building Illustrated describes a pathway for reaching Architecture 2030's carbon emission reduction targets for the built environment."—Ed Mazria, founder of Architecture 2030 "...a neophyte will have a very good overview of all the factors involved in green building. I see some excellent pedagogy at work!" — Jim Gunshinan, Editor, Home Energy Magazine **Francis D.K. Ching** brings his signature graphic style to the topic of sustainable design In the tradition of the classic **Building Construction Illustrated**, **Francis D.K. Ching** and **Ian M. Shapiro** offer a graphical presentation to the theory, practices, and complexities of sustainable design using an approach that proceeds methodically. From the outside to the inside of a building, they cover all aspects of sustainability, providing a framework and detailed strategies to design buildings that are substantively green. The book begins with an explanation of why we need to build green, the theories behind it and current rating systems before moving on to a comprehensive discussion of vital topics. These topics include site selection, passive design using building shape, water conservation, ventilation and air quality, heating and cooling, minimum-impact materials, and much more. Explains the fundamental issues of sustainable design and construction in a beautifully illustrated format Illustrated by legendary author, architect, and draftsman **Francis D.K. Ching**, with text by recognized engineer and researcher **Ian M. Shapiro** Ideal for architects, engineers, and builders, as well as students in these fields Sure to be the standard reference on the subject for students, professionals, and anyone interested in sustainable design and construction of buildings, **Green Building Illustrated** is an informative, practical, and graphically beautiful resource. **Encyclopedia of Global Warming and Climate Change** *SAGE Publications* **2008 Best Reference**, **Library Journal** "The impact of global warming is rapidly evolving. This valuable resource provides an excellent historical overview and framework of this topic and serves as a general resource for geography, oceanography, biology, climatology, history, and many other subjects. A useful reference for a wide audience of business professionals and government officials as well as for the general public; essential for both academic and public libraries." —Library Journal "This is a useful set because of the individual country entries as well as the general-audience language . . ." — Booklist (Starred Review) The Encyclopedia of Global Warming and Climate Change helps readers learn about the astonishingly intricate processes that make ours the only planet known to be habitable. These three volumes include more than 750 articles that explore major topics related to global warming and climate change—ranging geographically from the North Pole to the South Pole, and thematically from social effects to scientific causes. **Key Features** Contains a 4-color, 16-page insert that is a comprehensive introduction to the complexities of global warming Includes coverage of the science and history of climate change, the polarizing controversies over climate-change theories, the role of societies, the industrial and economic factors, and the sociological aspects of climate change Emphasizes the importance of the effects, responsibilities, and ethics of climate change Presents contributions from leading scholars and institutional experts in the geosciences Serves as a general resource for geography, oceanography, biology, climatology, history, and many other subjects The Encyclopedia of Global Warming and Climate Change provides a primarily nonscientific resource to understanding the complexities of climate change for academic and public libraries. **READER'S GUIDE Atmospheric Sciences Climate climate and Society Climate Change, Effects Climate Feedbacks Climate Models Countries: Africa Countries: Americas Countries: Asia Countries: Europe Countries: Pacific Glaciology Government and International Agencies Institutions Studying Climate Change Oceanography Paleo-Climates People Programs And Conventions Green Homes New Ideas for Sustainable Living** *Harper Collins* **GREEN HOMES** presents the latest innovations in sustainable architecture in design. After an introductory interview with an international specialist in green building, the book features 35 projects, including houses, apartments, offices, sports facilities, and factories. It explores various aspects of green design, from its ecological and economical benefits, to factors considered when choosing materials: how much energy went into manufacturing the product, whether it is long lasting, and whether it can be recycled or safely disposed of as it breaks down over time. Specific topics covered include climate regulation, drainage systems, and regional planning. Each project contains photographs, floor plans and detailed drawings that illustrate certain sustainable features, revealing reveal how much the parameters of ecological design have expanded in just a few short years. **Courtyard Housing and Cultural Sustainability Theory, Practice, and Product** *Routledge* Cultural sustainability is a very important aspect of the overall sustainability framework and is regarded as the fourth pillar alongside the other three: environmental, economic, and social sustainability. However, the concept is neither fully explored, nor widely accepted or recognized. This book elicits the interplay of nature-culture-architecture and theorizes the concept of cultural sustainability and culturally sustainable architecture. It identifies four key themes in Chinese philosophy: Harmony with Heaven, Harmony with Earth, Harmony with Humans, and Harmony with Self, along with Greek philosopher Aristotle's physics: form, space, matter, and time, it sets them as criteria to evaluate the renewed and new courtyard housing projects constructed in China since the 1990s. Using an innovative architectural and social science approach, this book examines the political, economic, social, and spatial factors that affect cultural sustainability. Supported by a multiplicity of data including: field surveys, interviews with residents, architects, and planners, time diaries, drawings, photos, planning documents, observation notes, and real estate brochures, the book proposes new courtyard garden house design strategies that promote healthy communities and human care for one another, a concept that is universally applicable. The volume is a first opportunity to take a holistic view, to encompass eastern and western, tangible and intangible, cultures in the theorization of cultural sustainability and culturally sustainable architecture. It is a comprehensive contribution to architectural theory. **Eco-Homes People, Place and Politics** *Zed Books Ltd.* It is widely understood that good, affordable eco-housing needs to be at the heart of any attempt to mitigate or adapt to climate change. This is the first book to comprehensively explore eco-housing from a geographical, social and political perspective. It starts from the premise that we already know how to build good eco-houses and we already have the technology to retrofit existing housing. Despite this, relatively few eco-houses are being built. Featuring over thirty case studies of eco-housing in Britain, Spain, Thailand, Argentina and the United States, **Eco-Homes** examines the ways in which radical changes to our houses - such as making them more temporary, using natural materials, or relying on manual heating and ventilation systems - require changes in how we live. As such, it argues, it is not lack of technology or political will that

is holding us back from responding to climate change, but deep-rooted cultural and social understandings of our way of life and what we expect our houses to do for us. *Environmental Missouri: Issues and Sustainability - What You Need to Know* Reedy Press LLC Title: *Environmental Missouri: Issues and Sustainability - What You Need to Know* Author: Don Corrigan Size: 6 x 9 Bindings: softcover Pages: 240 ISBN: 9781935806684 Cost: \$19.95 *Environmental Missouri* is the first comprehensive guide to local and state environmental issues involving the air we breathe, the water we drink, and the land we inhabit in the Show-Me State. This collection is very serious and yet intensely readable, as it examines such problems as urban sprawl, polluted streams, radioactive waste, lead contamination, airborne mercury, ozone and smog, and noise and light pollution. The book raises questions about wildlife concerns: What's with the Asian Carp taking over our rivers? Why are the bees disappearing? When will the Ozark Hellbender revive and thrive? *Environmental Missouri* is not all bad news and pessimistic prose. A final chapter on sustainability looks at how Missourians are going green, whether it's with cloth diaper parties, raising backyard chickens, farming responsibly, or hosting green burials at trail's end. Each chapter includes a Q and A with a habitat expert or environmental activist to give a unique perspective on the concern at hand. *Environmental Missouri* argues that we should teach our children well, instead of trying to sweep problems under the rug. It's time to tackle matters head on and guide the way to a more sustainable future! Published in cooperation with Webster University Press. *The Architecture of Home in Cairo Socio-Spatial Practice of the Hawari's Everyday Life* Routledge The hawari of Cairo - narrow non-straight alleyways - are the basic urban units that have formed the medieval city since its foundation back in 969 AD. Until early in the C20th, they made up the primary urban divisions of the city and were residential in nature. Contemporary hawari, by contrast, are increasingly dominated by commercial and industrial activity. This medieval urban maze of extremely short, broken, zigzag streets and dead ends are defensible territories, powerful institutions, and important social systems. While the hawari have been studied as an exemplar for urban structure of medieval Islamic urbanism, and as individual building typologies, this book is the first to examine in detail the socio-spatial practice of the architecture of home in the city. It investigates how people live, communicate and relate to each other within their houses or shared spaces of the alleys, and in doing so, to uncover several new socio-spatial dimensions and meanings in this architectural form. In an attempt to re-establish the link between architecture past and present, and to understand the changing social needs of communities, this book uncovers the notion of home as central to understand architecture in such a city with long history as Cairo. It firstly describes the historical development of the domestic spaces (indoor and outdoor), and provides an inclusive analysis of spaces of everyday activities in the hawari of old Cairo. It then broadens its analysis to other parts of the city, highlighting different customs and representations of home in the city at large. Cairo, in the context of this book, is represented as the most sophisticated urban centre in the Middle East with different and sometimes contrasting approaches to the architecture of home, as a practice and spatial system. In order to analyse the complexity and interconnectedness of the components and elements of the hawari as a 'collective home', it layers its narratives of architectural and social developments as a domestic environment over the past two hundred years, and in doing so, explores the in-depth social meaning and performance of spaces, both private and public. *Town and Terraced Housing For Affordability and Sustainability* Routledge "Recent societal changes brought about renewed interest by architects, town planners and housing officials in terraced and row homes. This prototype whose origins date back several centuries offers relevant solutions to contemporary challenges. Chief among these challenges is a need to adopt sustainable approaches to the planning of neighbourhood and the design of dwellings. These homes built in higher densities help halt urban sprawl with its many negative traits and also contribute to the reduction of materials used in their construction, and once occupied - to their energy efficiency. Another aspect that occupies both housing providers and consumers is affordability. It has become highly difficult for first time homebuyers to purchase a dwelling in most urban centres. Due to their physical characteristics these narrow-frontage homes reduce the amount of land consumed and investments in costly infrastructure which makes them affordable. Society's rapidly changing demographic make-up is another trend which renewed interest in this prototype. There are more singles, single parents and childless couples who wish to reside in a ground-related dwelling rather than in an apartment. Over the years, the row or terraced home maintained its appeal by offering privacy and green yards in dense configuration. New challenges have given them renewed importance which makes this book on their design and planning highly relevant"-- *Green BIM Successful Sustainable Design with Building Information Modeling* Sybex Meet the challenge of integrating Building Information Modeling and sustainability with this in-depth guide, which pairs these two revolutionary movements to create environmentally friendly design through a streamlined process. Written by an award-winning team that has gone beyond theory to lead the implementation of Green BIM projects, this comprehensive reference features practical strategies, techniques, and real-world expertise so that you can create sustainable BIM projects, no matter what their scale. *Environment, Space, Place: Volume 4, Issue 1 (Spring 2012)* Zeta Books Nu s-au introdus date Designed for Habitat Collaborations with Habitat for Humanity Routledge If you're looking for ways to give back to your community, then this book, the first to profile thirteen projects designed and built by architects and Habitat for Humanity, will help. Detailed plans, sections, and photographs show you how these projects came about, the strategies used by each team to approach the design and construction process, and the obstacles they overcame to realize a successful outcome. The lessons and insights, presented here will aid you, whether you're an architect, architecture student, Habitat affiliate leader, or an affordable housing advocate. Located all across the United States, these projects represent the full spectrum of Habitat for Humanity affiliates, from large urban affiliates to small rural programs. These cases illustrate a broad range of innovative approaches to energy performance, alternative construction strategies, and responses to site context. And each house demonstrates that design quality need not fall victim to the rigorous imperatives of cost, delivery, and financing. *Green Urbanism Down Under Learning from Sustainable Communities in Australia* Island Press In this immensely practical book, Timothy Beatley sets out to answer a simple question: what can Americans learn from Australians about "greening" city life? *Green Urbanism Down Under* reports on the current state of "sustainability practice" in Australia and the many lessons that U.S. residents can learn from the best Australian programs and initiatives. Australia is similar to the United States in many ways, especially in its "energy footprint." For example, Australia's per capita greenhouse gas emissions are second only to those of the United States. A similar percentage of its residents live in cities (85 percent in Australia vs. 80 percent in the United States). And it suffers from parallel problems of air and water pollution, a national dependence on automobiles, and high fossil fuel consumption. Still, after traveling throughout Australia, Beatley finds that there are myriad creative responses to these problems—and that they offer instructive examples for the United States. *Green Urbanism Down Under* is a very readable collection of solutions. Although many of these innovative solutions are little-known outside Australia, they all present practical possibilities for U.S. cities. Beatley describes "green transport" projects, "city farms," renewable energy plans, green living programs, and much more. He considers a host of public policy initiatives and scrutinizes regional and state planning efforts for answers. In closing, he shares his impressions about how Australian results might be applied to U.S. problems. This is a unique book: hopeful, constructive, and filled with ideas that have been proven to work. It is a "must read" for anyone who cares about the future of American cities. *The Palgrave Handbook of Sustainability Case Studies and Practical Solutions* Springer This book provides a comprehensive overview of the practice of sustainability through a diverse range of case studies spanning across varied fields and areas of expertise. It provides a clear indication as to the contemporary state of sustainability in a time faced by issues such as global climate change, challenges of environmental justice, economic globalization and environmental contamination. The Palgrave Handbook of Sustainability explores three broad themes: Environmental Sustainability, Social Sustainability and Economic Sustainability. The authors critically explore these themes and provide insight into their linkages with one another to demonstrate the substantial efforts currently underway to address the sustainability of our planet. This handbook is an important contribution to the best practises on sustainability, drawn from many different examples across the fields of engineering, geology, anthropology, sociology, biology, chemistry and religion. *New Suburbanism: Sustainable Tall Building Development* Routledge Much of the anticipated future growth in the United States will take place in suburbia. The critical challenge is how to accommodate this growth in a sustainable and resilient manner. This book explores the role of suburban tall as a viable, sustainable alternative to continued suburban sprawl. It identifies 10 spatial patterns in which tall buildings have been integrated into the American suburbs. The study concludes that the Tall Building and Transit-Oriented-Development (TB-TOD) model is the most appropriate to promote sustainable suburbanism. The findings are based on analyzing over 300 projects in 24 suburban communities within three major metropolitan areas including: Washington, DC, Miami, Florida, and Chicago, Illinois. The book furnishes planning strategies that address the social, economic, and environmental aspects of sustainable tall building development. It also discusses sustainable architectural design and site planning strategies and provides case studies of sustainable tall buildings that were successfully integrated into suburban settings. *Architecture and Engineering The Challenges - Trends - Achievements* MDPI The book is addressed to architects and civil engineers. Design and research are areas connecting their activities. The contents of the book confirm the fact that the interface between architecture and engineering is multidimensional. The ways of finding points of contact between the two industries are highlighted. This is favored by the dynamically changing reality, supported by new design paradigms and new research techniques. The multithreaded subject matter of the articles is reduced to six sections: Research Scopes, Methods, Design Aspects, Context, Nature of Research, and Economy and Cost Calculation. Each of the articles in these six blocks has its weight. And so, in the Nature of Research section, the following areas have been underscored: laboratory tests, in situ research, field investigations, and street perception experiments. The section Design Aspects includes design-oriented thinking, geometrical forms, location of buildings, cost prediction, attractor and distractor elements, and shaping spatial structures. The new design and research tools are an inspiration and a keystone bonding architects and engineers. *Designing the City Towards a More Sustainable Urban Form* Taylor & Francis *Designing the City* looks at current urban problems in cities and demonstrates 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. *Constructing Green The Social Structures of Sustainability* MIT Press They discuss shifts in professional expertise created by new social concerns about green building, including evolving boundaries of professional jurisdictions; changing industry strategies and structures, including the roles of ownership, supply firms, and market niches; new operational, organizational, and cultural arrangements, including the mainstreaming of environmental concerns; narratives and frames that influence the perception of green building; and future directions for the theory and practice of sustainable construction. The essays offer uniquely multidisciplinary insights into the transformative potential of green building and the obstacles that must be overcome to make it the norm. Contributors Lauren Barhydt, Clayton Bartczak, Lyn Bartram, Olivier Berthod, Nicole Woolsey Biggart, Lenora Bohren, Bertien Broekmans, William Browning, Zinta S. Byrne, Michael Conger, Jennifer E. Cross, David Deal, Beth M. *Innovative Student Residences New Directions in Sustainable Design* Images Publishing Current design modes of student residences are facing challenges of both philosophy and form. Past approaches no longer sustain new demands and require innovative thinking. The need for a new outlook is propelled by fundamental changes that touch upon environmental, economic, and social factors. Thinking innovatively about university accommodation led to the idea to write *Innovative Student Residences*. The author offer a fascinating insight into contemporary design concepts and illustrates them with outstanding examples, showcased by full-color photography and detailed plans. *Building the Ecological City* CRC Press Our cities are plagued by problems of congestion, waste, and pollution that deplete natural resources, damage the environment, and reduce the quality of life for their citizens. The irony is, as this fascinating new study shows, it doesn't have to be like this. *Building the Ecological City* describes the problems we face and puts forward solutions to the question - how can we build cities that provide an acceptable standard of living for their inhabitants without depleting the ecosystems and bio-geochemical cycles on which they depend? The book suggests and examines the concept of urban

metabolism which characterizes the city as a set of interlinked systems of physical flows linking air, land, and water. A series of chapters looks at the production and management of waste, energy use and air emissions, water supply and management, urban land use, and air quality issues. Within the broader context of climate change, the book then considers a range of practical strategies for restoring the health of urban ecosystems from the remediation of 'brownfield' land to improving air quality and making better use of water resources. A major contribution to better urban management and planning for both citizens and the environment, *Building the Ecological City* is an invaluable sourcebook for urban and national planners, architects, and environmental agencies. *Sustainable Property Development A Guide to Real Estate and the Environment* John Wiley & Sons This book identifies, defines and explains in detail property-related environmental issues. It is written in an easy-to-follow style and presented in a lively format. Issues are explained with reference to relevant background information, practical issues and problems posed. The book is supported by current case studies, and there is learning material - with model answers - for students and lecturers to use for group work. Each topic - e.g. law, economics, property development - is structured in the same way: headline - the big issues and important questions; background - historical, legislative, technical; practical problems and solutions; discussion points; case studies; sources of information/further study. *Sustainable Architectures Cultures and Natures in Europe and North America* Taylor & Francis Buildings are responsible for 50% of CO₂ emissions and their design has become the focus of intense technical scrutiny. Knowing how to build more technically efficient, or more ecologically and being able to assemble the social resources to do so *Toward Sustainable Communities Solutions for Citizens and Their Governments-Fourth Edition* New Society Publishers The single most useful resource out there on how to build and grow sustainable places The need to make our communities sustainable is more urgent than ever before. *Toward Sustainable Communities* remains the single most useful resource for creating vibrant, healthy, equitable, economically viable places. This comprehensive update of the classic text presents a leading-edge overview of sustainability in a new fully illustrated, full-color format. Compelling new case studies and expanded treatment of sustainability in rural as well as urban settings are complemented by contributions from a range of experts around the world, demonstrating how "community capital" can be leveraged to meet the needs of cities and towns for: Energy efficiency, waste reduction, and recycling Water, sewage, transportation, and housing Climate change and air quality Land use and urban planning. Fully supported by a complete suite of online resources and tools, *Toward Sustainable Communities* is packed with concrete, innovative solutions to a host of municipal challenges. Required reading for policymakers, educators, social enterprises, and engaged citizens, this "living book" will appeal to anyone concerned about community sustainability and a livable future. Mark Roseland is director of the Centre for Sustainable Community Development at Simon Fraser University and professor at SFU's School of Resource and Environmental Management. He lectures internationally, advises communities and governments on sustainable development policy and planning, and has been cited as one of British Columbia's "top fifty living public intellectuals." *Sustainable Directions in Tourism* MDPI Within the framework of tourism companies and tourist destinations, the question of sustainability is gaining importance. Tourists are increasingly aware of the importance of sustainability criteria, awarding greater value to sustainable destinations. Sustainability refers to a wide range of aspects related to climate change, the economic organization of tourism, social values or questions, job creation, and the necessary protection of the culture of destinations and the environment. Therefore, there is a need for studies that consider these aspects in order to achieve the sustainable development of tourist destinations. Fundamental to this is discovering to what degree tourism companies and destinations approach these questions in the strategies they use to deal with problems stemming from their attempts to be more sustainable. Conceptual papers and empirical research on the economic, social, cultural, and environmental aspects related to tourism companies and destinations are welcome. Studies that analyze how these questions and the concept of sustainability are included in tourism companies and destinations are necessary in these modern times. This book was established for these reasons, dedicated to examining sustainability in tourism. The papers included in this Special Issue can help us to determine the new directions being addressed in the research on sustainability tourism. *Thinking Architecturally An Introduction to the Creation of Form and Place* Juta and Company Ltd Through a critical study of issues such as order, form, space, style, place-making, aesthetics, and architectural theory, students are encouraged to think about their own creative ideas. The use of analytical reasoning, lateral thinking, drawing and modelling is emphasised. *Teacher Education in the 21st Century Emerging Skills for a Changing World* BoD - Books on Demand In the face of unprecedented disruption from the COVID-19 pandemic and the rapid acceleration of digital technologies, it is necessary to rethink the competences required by teachers for meeting new and flexible learning demands. Teacher training is an area constantly evolving along with emerging social challenges that are transforming educational institutions and agents. This book provides teachers with skills, innovative solutions, cutting-edge studies, and methodologies to meet education and training system demands. In our changing world, preparing teachers worldwide for the challenges and shifts of this era involves the opportunity to exchange theories, practices, and experiences such as those contained in this book. *Almanac of Architecture & Design 2006* Greenway Communications *An Integrated Approach to Environmental Management* John Wiley & Sons Covers the most recent topics in the field of environmental management and provides a broad focus on the theoretical and methodological underpinnings of environmental management Provides an up-to-date survey of the field from the perspective of different disciplines Covers the topic of environmental management from multiple perspectives, namely, natural sciences, engineering, business, social sciences, and methods and tools perspectives Combines both academic rigor and practical approach through literature reviews and theories and examples and case studies from diverse geographic areas and policy domains Explores local and global issues of environmental management and analyzes the role of various contributors in the environmental management process Chapter contents are appropriately demonstrated with numerous pictures, charts, graphs, and tables, and accompanied by a detailed reference list for further readings *Museums & Social Issues A Journal of Reflective Discourse* *Low Carbon Cities Transforming Urban Systems* Routledge *Low Carbon Cities* is a book for practitioners, students and scholars in architecture, urban planning and design. It features essays on ecologically sustainable cities by leading exponents of urban sustainability, case studies of the new directions low carbon cities might take and investigations of how we can mitigate urban heat stress in our cities' microclimates. The book explores the underlying dimensions of how existing cities can be transformed into low carbon urban systems and describes the design of low carbon cities in theory and practice. It considers the connections between low carbon cities and sustainable design, social and individual values, public space, housing affordability, public transport and urban microclimates. Given the rapid urbanisation underway globally, and the need for all our cities to operate more sustainably, we need to think about how spatial planning and design can help transform urban systems to create low carbon cities, and this book provides key insights. *Sustainable Stockholm Exploring Urban Sustainability in Europe's Greenest City* Routledge *Sustainable Stockholm* provides a historical overview of Stockholm's environmental development, and also discusses a number of cross-disciplinary themes presenting the urban sustainability work behind Stockholm's unique position, and importantly the question of how well Stockholm's practices can be exported and transposed to other places and contexts. By using the case of Stockholm as the pivot of discussions, *Sustainable Stockholm* investigates the core issues of sustainable urban environmental development and planning, in all their entanglements. The book shows how intersecting fields such as urban planning and architecture, traffic planning, land-use regulation, building, waste management, regional development, water management, infrastructure engineering—together and in combination—have contributed to making Stockholm Europe's "greenest" city. *Sustainability in Energy and Buildings 2018 Proceedings of the 10th International Conference in Sustainability on Energy and Buildings (SEB'18)* Springer This book contains selected papers from SEB-18, the Tenth International Conference on Sustainability in Energy and Buildings, which was organised by KES International and Griffith University and held in Gold Coast, Australia in June 2018. SEB-18 invited contributions on a range of topics related to sustainable buildings and renewable energy, and explored innovative topics regarding intelligent buildings and cities. Applicable areas included the sustainable design and of buildings, neighbourhoods and cities (built and natural environment); optimisation and modelling techniques; smart energy systems for smart cities; green information communications technology; and a broad range of solar, wind, wave and other renewable energy topics. The aim of the conference was to bring together researchers and government and industry professionals to discuss the future of energy in buildings, neighbourhoods and cities from a theoretical, practical, implementation and simulation perspective. In addition, SEB-18 offered an exciting opportunity to present, interact, and learn about the latest research in Sustainability in Energy and Buildings. *Sustainability and Spirituality* SUNY Press Argues that true sustainability must be based in spirituality and looks at religious communities dedicated to the environment. *Plastics and Sustainability* Grey is the New Green Exploring the Nuances and Complexities of Modern Plastics John Wiley & Sons *Plastics & Sustainability* clearly lays out the thorny and contentious issues that we encounter at the nexus of plastics and sustainability. The book serves as a practical guide for making sustainability decisions about how plastics are made and used, including current developments in the newest bio-based plastics. Designers, marketers, academics, and engineers will all find something of value in this balanced and thoughtful second edition. Increased public scrutiny of plastics materials and the plastics industry has led, paradoxically, to both a deeper understanding and growing confusion about polymers, their origins, their uses, their risks, and ultimately their disposal. The author makes objective comparisons among major polymer grades and bioplastics including their life cycle assessments and practical performance in commercial applications. *Inform Architecture, Design, the Arts Sustainability in Energy and Buildings Proceedings of the 4th International Conference in Sustainability in Energy and Buildings (SEB'12)* Springer Science & Business Media This volume contains the proceedings of the Fourth International Conference on Sustainability in Energy and Buildings, SEB12, held in Stockholm, Sweden, and is organized by KTH Royal Institute of Technology, Stockholm, Sweden in partnership with KES International. The International Conference on Sustainability in Energy and Buildings focuses on a broad range of topics relating to sustainability in buildings but also encompassing energy sustainability more widely. Following the success of earlier events in the series, the 2012 conference includes the themes Sustainability, Energy, and Buildings and Information and Communication Technology, ICT. The SEB'12 proceedings include invited participation and paper submissions across a broad range of renewable energy and sustainability-related topics relevant to the main theme of Sustainability in Energy and Buildings. Applicable areas include technology for renewable energy and sustainability in the built environment, optimization and modeling techniques, information and communication technology usage, behavior and practice, including applications.