

## *A Prehistory Of Green Architecture Otto Koenigsberger Tropical*

For almost ten thousand years, unbaked earth has been used to build remarkable structures, from simple dwellings to palaces, temples, and fortresses both grand and durable. Jean Dethier spent fifty years researching this landmark global survey, which spans five continents and 250 sites. The Art of Earth Architecture demonstrates the wide-ranging applications and sustainability of this building material, while presenting a manifesto for its ecological significance. Featuring raw-earth masterpieces, monumental structures, and little known works, the book includes the temples and palaces of Mesopotamia, the Great Wall of China, large-scale urban developments in Tenochtitlan in Mexico, the medinas of Morocco, and housing in Marrakech and Bogota. This definitive reference features many UNESCO World Heritage sites and contains essays on the historical, technical, and cultural aspects of raw-earth construction from twenty experts in the field, as well as hundreds of photographs, illustrations, and architectural drawings.

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As towns and cities worldwide deal with fast-increasing land pressures, while also trying to promote more sustainable, connected communities, the creation of green spaces within urban areas is receiving greater attention than ever before. At the same time, the value of the 'green belt' as the most prominent model of green space planning is being widely questioned, and an array of alternative models are being proposed. This book explores one of those alternative models - the 'green wedge', showing how this offers a successful model for integrating urban development and nature in existing and new towns and cities around the world. Green wedges, considered here as ducts of green space running from the countryside into the centre of a city or town, are not only making a comeback in urban planning, but they have a deeper history in the twentieth century than many expect - a history that provides valuable insight and lessons in the employment of networked green spaces in city design and regional planning today. Part history, and part contemporary argument, this book first examines the emergence and global diffusion of the green wedge in town planning in the late 19th and early 20th centuries, placing it in the broader

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historic context of debates and ideas for urban planning with nature, before going on to explore its use in contemporary urban practice. Examining their relation to green infrastructures, landscape ecology and landscape urbanism and their potential for sustainable cities, it highlights the continued relevance of a historic idea in an era of rapid climate change.

Drawing on the mythology of the Green Man and the power of nature, Neil Gaiman, Jane Yolen, and others serve up “a tasty treat for fantasy fans” (Booklist). There are some “genuine gems” in this “enticing collection” of fifteen stories and three poems, all featuring “diverse takes on mythical beings associated with the protection of the natural world,” most involving a teen’s coming-of-age. Delia Sherman “takes readers into New York City’s Central Park, where a teenager wins the favor of the park’s Green Queen.” Michael Cadnum offers a “dynamic retelling of the Daphne story.” Charles de Lint presents an “eerie, heartwarming story in which a teenager resists the lure” of the faerie world. Tanith Lee roots her tale in “the myth of Dionysus, a god of the Wild Wood.” Patricia A. McKillip steepes her story in “the legend of Herne, guardian of

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the forest. Magic realism flavors Katherine Vaz's haunting story. Gregory Maguire takes on Jack and the Beanstalk, and Emma Bull looks to an unusual Green Man—a Joshua tree in the desert”

(Booklist). These enduring works of eco-fantasy by some of the genre's most popular authors impart “a real sense of how powerful nature can be in its various guises” (School Library Journal). “A treasure trove for teens and teachers exploring themes of ecology and folklore.”

—Kirkus Reviews “The stories are well-written and manage to speak to both the intellect and the emotions.” —SF Site

GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION provides a

current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge technology and the latest industry trends, this text offers an in-depth introduction to the construction of green homes. Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order

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to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to think green from start to finish, empowering and inspiring them to build truly sustainable homes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

More than fifteen years after the success of the first edition, this sweeping introduction to the history of architecture in the United States is now a fully revised guide to the major developments that shaped the environment from the first Americans to the present, from the everyday vernacular to the high style of aspiration. Eleven chronologically organized chapters chart the social, cultural, and political forces that shaped the growth and development of American towns, cities, and suburbs, while providing full description, analysis, and interpretation of buildings and their architects. The second edition features an entirely new chapter detailing the green architecture movement and architectural trends in the 21st century. Further updates include an expanded section on Native American architecture and

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contemporary design by Native American architects, new discussions on architectural education and training, more examples of women architects and designers, and a thoroughly expanded glossary to help today's readers. The art program is expanded, including 640 black and white images and 62 new color images. Accessible and engaging, American Architecture continues to set the standard as a guide, study, and reference for those seeking to better understand the rich history of architecture in the United States.

A Critical History and Survey of Contemporary Sustainable Architecture and Urban Design

Beyond the Jewels and Grandeur

A Critical Guide.

Architecture, Development and Identity

Big and Green

The Practical Legal Guide

Green Building Management and Smart Automation

The idea of "The Green Book" is to give the Motorist and Tourist a Guide not only of the Hotels and Tourist Homes in all of the large cities, but other classifications that will be found useful wherever he may be. Also facts and information that the Negro Motorist can use and depend upon. There are thousands of places that the public doesn't know about and aren't listed. Perhaps you know of some? If so send in their

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names and addresses and the kind of business, so that we might pass it along to the rest of your fellow Motorists. You will find it handy on your travels, whether at home or in some other state, and is up to date. Each year we are compiling new lists as some of these places move, or go out of business and new business places are started giving added employment to members of our race.

Green Healthcare Institutions : Health, Environment, and Economics, Workshop Summary is based on the ninth workshop in a series of workshops sponsored by the Roundtable on Environmental Health Sciences, Research, and Medicine since the roundtable began meeting in 1998. When choosing workshops and activities, the roundtable looks for areas of mutual concern and also areas that need further research to develop a strong environmental science background. This workshop focused on the environmental and health impacts related to the design, construction, and operations of healthcare facilities, which are part of one of the largest service industries in the United States. Healthcare institutions are major employers with a considerable role in the community, and it is important to analyze this significant industry. The environment of healthcare facilities is unique; it has multiple stakeholders on both sides, as the givers and the receivers of care. In order to provide optimal care, more research is needed to determine the impacts of the built environment on human health. The scientific evidence for embarking on a green building agenda is not complete, and at present, scientists have limited information. Green Healthcare Institutions : Health, Environment, and Economics, Workshop Summary captures the discussions and presentations by the speakers and participants; they identified the areas in which

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additional research is needed, the processes by which change can occur, and the gaps in knowledge.

The latest in this successful series, this book features around 150 of the most important buildings in the history of world architecture – from the pyramids and Parthenon to some of the most significant works by recent architects. The buildings are organized by type – from places of worship and public buildings to houses – and are divided into nine chapters, each with an informative introduction that surveys the history of that type. For each building there are numerous, accurate scale drawings showing a combination of floor plans, elevations and sections as appropriate, all specially redrawn for this book. The quality and number of the line drawings, together with the authoritative text by a renowned architectural historian, allow all the buildings to be understood in detail and make this an invaluable resource for students.

"Fundamentals of Integrated Design for Sustainable Building offers an introduction to green building concepts as well as design approaches that reduce and can eventually eliminate the need for fossil fuel use in buildings while also conserving materials, maximizing their efficiency, protecting the indoor air from chemical intrusion, and reducing the introduction of toxic materials into the environment. It represents a necessary road map to the future designers, builders, and planners of a post-carbon world." —from the Foreword by Ed Mazria A rich sourcebook covering the breadth of environmental building, *Fundamentals of Integrated Design for Sustainable Building* introduces the student and practitioner to the history, theory and technology of green building. Using an active learning approach, the concepts of sustainable architecture are explained and reinforced through design problems, research exercises,

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study questions, team projects, and discussion topics. Chapters by specialists in the green movement round out this survey of all the important issues and developments that students and professionals need to know. From history and philosophy to design technologies and practice, this sweeping resource is sure to be referenced until worn out.

This breakthrough book brings science into history to offer a dazzling new vision of humanity across time. Team-written by leading experts in a variety of fields, it maps events, cultures, and eras across millions of years to present a new scale for understanding the human body, energy and ecosystems, language, food, kinship, migration, and more.

Green Building Design and Delivery

Earth Architecture

The Green Man

Wasteland

The Houses on North Green Street, Gainesville, Georgia

Regenerative and Positive Impact Architecture

The Negro Motorist Green Book

1960, following as it did the last CIAM meeting, signalled a turning point for the Modern Movement. From then on, architecture was influenced by seminal texts by Aldo Rossi and Robert Venturi, and gave rise to the first revisionary movement following Modernism. Bringing together leading experts in the field, this book provides a comprehensive, critical overview of the developments in architecture from 1960 to 2010. It consists of two parts: the first section

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providing a presentation of major movements in architecture after 1960, and the second, a geographic survey that covers a wide range of territories around the world. This book not only reflects the different perspectives of its various authors, but also charts a middle course between the 'aesthetic' histories that examine architecture solely in terms of its formal aspects, and the more 'ideological' histories that subject it to a critique that often skirts the discussion of its formal aspects.

"Offers an intense scholarly experience in its comprehensiveness, its variety of voices and its formal organization... the editors took a risk, experimented and have delivered a much-needed resource that upends the status-quo." - Architectural Histories, journal of the European Architectural History Network

"Architectural theory interweaves interdisciplinary understandings with different practices, intentions and ways of knowing. This handbook provides a lucid and comprehensive introduction to this challenging and shifting terrain, and will be of great interest to students, academics and practitioners alike." - Professor Iain Borden, UCL Bartlett School of Architecture "In this collection,

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architectural theory expands outward to interact with adjacent discourses such as sustainability, conservation, spatial practices, virtual technologies, and more. We have in *The Handbook of Architectural Theory* an example of the extreme generosity of architectural theory. It is a volume that designers and scholars of many stripes will welcome." - K. Michael Hays, Eliot Noyes Professor of Architectural Theory, Harvard University

*The SAGE Handbook of Architectural Theory* documents and builds upon the most innovative developments in architectural theory over the last two decades. Bringing into dialogue a range of geographically, institutionally and historically competing positions, it examines and explores parallel debates in related fields. The book is divided into eight sections:

- Power/Difference/Embodiment
- Aesthetics/Pleasure/Excess
- Nation/World/Spectacle
- History/Memory/Tradition
- Design/Production/Practice
- Science/Technology/Virtuality
- Nature/Ecology/Sustainability
- City/Metropolis/Territory.

Creating openings for future lines of inquiry and establishing the basis for new directions for education, research and practice, the

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book is organized around specific case studies to provide a critical, interpretive and speculative enquiry into the relevant debates in architectural theory.

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Are profits and sustainability compatible? This book brings unique perspectives to this key debate by exploring the history of green entrepreneurship since the nineteenth century, and its spread globally in industries including renewable energy, organic food, natural beauty, ecotourism, recycling, architecture, and finance. The book uses the lens of the extraordinary and often eccentric men and women who defied convention and imagined that business could help save the planet, rather than consume it. The social and religious beliefs that drove many of these individuals are explored as the book looks at how they overcame huge obstacles to execute their strategies. The green entrepreneurs seen here are shown to have created new markets and industries, and driven innovations in sustainable practices, even at times when most consumers and governments marginalized the entire subject. The struggles of early pioneers appear to have been rewarded by the growth of environmental awareness

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among consumers, business leaders, and others in recent years, but the Earth's environmental health continues to deteriorate. If profits and sustainability have proved challenging to reconcile, the book argues that one reason was how they were both defined.

Building Sustainability in East Asia: Policy, Design and People illustrates the holistic approaches and individual strategies to building sustainability that have been implemented in construction projects in Asia. Top-down and bottom-up approaches (from formulating policy to constructing individual buildings) are effective in terms of the sustainable development of cities, and this book covers both, illustrated with a range of case study developments.

Third World Modernism

The Art of Earth Architecture

Sustainable Cities in the Sky

Health, Environment, and Economics:

Workshop Summary

Learning from Case Studies

Architecture

Raw Concrete

*Contemporary architecture, and the culture it reflects dependent as it is on fossil fuels, has contributed to the cause and necessity of a burgeoning green process*

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*that emerged over the past half century. This text is the first to offer a comprehensive critical history and analysis of the greening of architecture through accumulative reduction of negative environmental effects caused by buildings, urban designs and settlements. Describing the progressive development of green architecture from 1960 to 2010, it illustrates how it is ever evolving and ameliorated through alterations in form, technology, materials and use and it examines different places worldwide that represent a diversity of cultural and climatic contexts. The book is divided into seven chapters: with an overview of the environmental issues and the nature of green architecture in response to them, followed by an historic perspective of the pioneering evolution of green technology and architectural integration over the past five decades, and finally, providing the intransigent and culturally pervasive current examples within a wide range of geographic territories. The greening of architecture is seen as an evolutionary process that is informed by significant world events, climate change, environmental theories, movements in architecture, technological innovations, and seminal works in architecture and*

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*planning throughout each decade over the past fifty years. This time period is bounded on one end by the awareness of environmental problems beginning in the 1960's, the influential texts by Rachel Carson, E.F. Schumacher, Buckminster Fuller and Steward Brand, and the impact of the OPEC Oil Embargo of 1973, and on the other end the pervasiveness of the necessary greening of architecture that includes, systemic reforms in architectural and urban design, land use planning, transportation, agriculture, and energy production found in the 2000's. The greening process moves from remediation to holistic models of architecture.*

*Geographical landscapes give a global account of the greening process where some examples are parallel and sympathetic, and others are in clear contrast to one another with very individuated approaches. Certain events, like the Rio Summit in 1992 and Kyoto Protocol in 1997, and themes, such as the Hannover Principles in 2000, provide a dynamic ideological critique as well as a formal and technical discussion of the embodied and accumulative content of greening principles in architecture.*

*This set of essays brings together studies that challenge interpretations of the*

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*development of modernist architecture in Third World countries during the Cold War. The topics look at modernism's part in the transnational development of building technologies and the construction of national and cultural identity.*

*Architectural modernism is far more than another instance of Western expansionist aspirations; it has been developed in cross-cultural spaces and variously localized into nation-building programs and social welfare projects. The first volume to address countries right across the developing world, this book has a key place in the historiography of modern architecture, dealing with non-Western traditions.*

*"In this dissertation, I investigate how trans-colonial histories of architecture intersect with transnational environmental histories of architecture. I locate Tropical Architecture, which I define as climate-responsive and energy-conservative design, in the pre-history of environmentalism. I argue that the corpus of knowledge that developed through Tropical Architecture in the 1950's constitutes the pre-cursor to Green Architecture. I locate Tropical Architecture as a trans-colonial set of architectural practices that originated in*

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*the colonial experiences of European modernist architects. As a crucial part of this hypothesis, I trace the career trajectory of émigré architect Otto Koenigsberger (1909-99), who escaped Nazi Berlin in 1933 to go to Egypt and subsequently immigrated to India in 1939. In India, Koenigsberger served as the chief architect for the Maharajah of Princely Mysore from 1939 to 1948 and as the Federal Director of Housing for Nehru's government from 1948 to 1951. In 1951, he immigrated to London to become one of the founders of the Department of Tropical Architecture (1954-1971) at the Architectural Association (AA) School of Architecture. I argue that working in exile in Princely Mysore fundamentally transformed Koenigsberger's architectural thinking and practice. The most significant change in his thinking was his cognizance of the limits of resources and energy. Through his experience in Mysore, Koenigsberger theorized Tropical Architecture as a discourse that was climate responsive, energy conscious, and built with local resources. Existing histories locate Tropical Architecture as a neo-colonial project that emerged in the 1950s along the networks of the diminishing British Empire. I propose that*

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*Tropical Architecture embodied a vision of environmentalism. Green Architecture, which is considered a recent discourse, cannot therefore be fully grasped unless it is historicized in relationship to Tropical Architecture. The careers of tropical architects are the missing link between histories of architecture in the colonies and histories of Green Architecture. I make my argument by establishing continuities between Tropical and Green architectural practices and by demonstrating how people trained in Tropical Architecture made their careers in the field of Green Architecture."--Abstract.*

*The World's Greenest Buildings tackles an audacious task. Among the thousands of green buildings out there, which are the best, and how do we know? Authors Jerry Yudelson and Ulf Meyer examined hundreds of the highest-rated large green buildings from around the world and asked their owners to supply one simple thing: actual performance data, to demonstrate their claims to sustainable operations. This pivotal book presents: an overview of the rating systems and shows "best in class" building performance in North America, Europe, the Middle East, India, China, Australia and the Asia-Pacific region*

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*practical examples of best practices for greening both new and existing buildings a practical reference for how green buildings actually perform at the highest level, one that takes you step-by-step through many different design solutions a wealth of exemplary case studies of successful green building projects using actual performance data from which to learn interviews with architects, engineers, building owners and developers and industry experts, to provide added insight into the greening process This guide uncovers some of the pitfalls that lie ahead for sustainable design, and points the way toward much faster progress in the decade ahead.*

*Written for students and practitioners in the fields of architecture and interior design, our new Architecture Brief Sustainable Design provides a concise overview of all the techniques available for reducing the energy footprint of structures and spaces. With clear, simple language and a practical "can-do" approach, author David Bergman covers everything from the profession's ethical responsibility, to design structures and spaces that sustain our natural resources, to specific considerations such as rainwater harvesting, graywater recycling,*

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passive heating techniques, solar orientation, green roofs, wind energy, daylighting, indoor air quality, material evaluation and specification, and how to work with green building certification programs.

Sustainable Construction

Sustainable Design

Profits and Sustainability

Green

Promise Versus Performance in Sustainable Design

Tropical Architecture

Otto Koenigsberger and Tropical

Architecture, from Princely Mysore to Post-colonial London

*The legal and economic landscape for building and development have fundamentally been altered by the country's major environmental problems - climate change, deforestation, loss of biodiversity, ozone depletion, pollution, and unsustainable natural resource consumption rates. The editors provide practical information for lawyers to assist their clients in fully understanding green building and sustainable development concepts so they can operate successfully in the evolving economic and regulatory environment while minimizing the potential cost penalty of business-as-usual practices.*

*More than a century after its inception, the skyscraper has finally come of age. Though it has long been lampooned as a venal and inhospitable guzzler of resources, a revolutionary new school of skyscraper design has refashioned the idiom with buildings that are sensitive to their environments, benevolent to their occupants, and economically viable to build and maintain. Designed by some*

*of the best-known architects in the world, these towers are as daring aesthetically as they are innovative environmentally. Big and Green is the first book to examine the sustainable skyscraper, its history, the technologies that make it possible, and its role in the future of urban development. The book examines more than 40 of the most important recent sustainable skyscrapers—including Fox & Fowle's Reuters Buildings in New York, Norman Foster's Commerzbank in Frankfurt, and MVRDV's spectacular Dutch Pavilion from Expo 2000 in Hanover—with project descriptions, photographs, and detailed drawings. Interviews with such leaders in the field as Sir Richard Rogers, William McDonough, and Kenneth Yeang are also included.*

*In this beautiful and richly illustrated book, the acclaimed author of Blue and Black presents a fascinating and revealing history of the color green in European societies from prehistoric times to today. Examining the evolving place of green in art, clothes, literature, religion, science, and everyday life, Michel Pastoureau traces how culture has profoundly changed the perception and meaning of the color over millennia—and how we misread cultural, social, and art history when we assume that colors have always signified what they do today. Filled with entertaining and enlightening anecdotes, Green shows that the color has been ambivalent: a symbol of life, luck, and hope, but also disorder, greed, poison, and the devil. Chemically unstable, green pigments were long difficult to produce and even harder to fix. Not surprisingly, the color has been associated with all that is changeable and fleeting: childhood, love, and money. Only in the Romantic period did green definitively become the color of nature. Pastoureau also explains why the color was connected with the Roman emperor Nero, how it became the color of Islam, why Goethe believed it was the color of the middle class, why some nineteenth-century scholars speculated that the ancient Greeks couldn't see green, and how the color was denigrated by Kandinsky and the Bauhaus. More broadly, Green demonstrates*

*that the history of the color is, to a large degree, one of dramatic reversal: long absent, ignored, or rejected, green today has become a ubiquitous and soothing presence as the symbol of environmental causes and the mission to save the planet. With its striking design and compelling text, Green will delight anyone who is interested in history, culture, art, fashion, or media. 'Sustainable Construction' uses the latest US Green Building Council's Leadership in Energy and Environmental Design standard to explain the best practices in building procurement and delivery systems.*

**SHORTLISTED FOR THE ALICE DAVIS HITCHCOCK**

*AWARD 'Brilliant' ELAIN HARWOOD 'Part history, part aesthetic autobiography, wholly engaging and liable to convince those procrastinators sitting (uncomfortably) on the concrete fence' JONATHAN MEADES 'A learned and passionate book' SIMON BRADLEY, author of The Railways 'A compelling and evocative read, meticulously researched, and filled with insight and passion' KATE GOODWIN, Head of Architecture, Royal Academy of Arts*

*\_\_\_\_\_ The raw concrete buildings of the 1960s constitute the greatest flowering of architecture the world has ever seen. The biggest construction boom in history promoted unprecedented technological innovation and an explosion of competitive creativity amongst architects, engineers and concrete-workers. The Brutalist style was the result. Today, after several decades in the shadows, attitudes towards Brutalism are slowly changing, but it is a movement that is still overlooked, and grossly underrated. Raw Concrete overturns the perception of Brutalist buildings as the penny-pinching, utilitarian products of dutiful social concern. Instead it looks a little closer, uncovering the luxuriously skilled craft and daring engineering with which the best buildings of the 1960s came into being: magnificent architectural visions serving clients rich and poor, radical and conservative. Beginning in a tiny hermitage on the remote north Scottish coast, and ending up backstage at the*

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*National Theatre, Raw Concrete embarks on a wide-ranging journey through Britain over the past sixty years, stopping to examine how eight extraordinary buildings were made - from commission to construction - why they have been so vilified, and why they are beginning to be loved. In it, Barnabas Calder puts forward a powerful case: Brutalism is the best architecture there has ever been, and perhaps the best there ever will be.*

*The World's Greenest Buildings*

*Eco-Towers*

*The Architecture of Past and Present*

*Fundamentals of Integrated Design for Sustainable Building*

*A Pre-history of Green Architecture*

*A Guide to Careers in Sustainable Architecture, Design, Engineering, Development, and Operations*

*Policy, Design and People*

A groundbreaking history of architecture told through the relationship between buildings and energy The story of architecture is the story of humanity. The buildings we live in, from the humblest pre-historic huts to today's skyscrapers, reveal our priorities and ambitions, our family structures and power structures. And to an extent never explored until now, architecture has been shaped in every era by our access to energy, from fire to farming to fossil fuels. In this ground-breaking history of world architecture, Barnabas Calder takes us on a dazzling tour of some of the most

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astounding buildings of the past fifteen thousand years, from Uruk, via Ancient Rome and Victorian Liverpool, to China's booming megacities. He reveals how every building - from the Parthenon to the Great Mosque of Damascus to a typical Georgian house - was influenced by the energy available to its architects, and why this matters. Today architecture consumes so much energy that 40% of the world's greenhouse gas emissions come from the construction and running of buildings. If we are to avoid catastrophic climate change then now, more than ever, we need beautiful but also intelligent architecture, and to retrofit - not demolish - the buildings we already have.

A career guide for professionals in sustainable architecture, design, planning, development, and related consulting For those considering a new career or a career change focused on green and sustainable building and design, *Becoming a Green Building Professional* offers practical information on educational requirements, career options, guidance and tips,

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and first-hand interviews with green building professionals. Perfect for underemployed architects and other building and design professionals who want to reinvent and renew their careers, as well as students considering such a career, this is a vital and informative guide to a growing field.

After attaining approval from the governor to form a city on April 21, 1821, Gainesville, Georgia, transformed into a commercial and resort area that soon attracted a street railway. When its line was expanded in 1877, Green Street eventually became one of the most desirable places to raise a family. Even after a fire nearly destroyed the town in 1851, its determined residents persevered. In 1975, the Green Street homes were placed in the Green Street Historic District and on the National Registry. Within a fascinating presentation, Helen Martin looks beyond the jewels and grandeur to capture the past and offer a glimpse into the versatile architectural designs of North Green Street. Some of the homes described

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include the Martin–Matthews–Norton house built at (58) 393 Green Street between 1910 and 1911; the Wallace House at 417 Green Street, constructed at around 1900; and the Nalley Martin house, one of the last homes erected in 1938. Included are historical photographs and additional details regarding the twenty-five homes that fell in the name of progress. Beyond the Jewels and Grandeur shares the architectural history of a beloved street in Gainesville, Georgia, as its homes and residents endured changes through both simple and challenging times.

Urban planning on the five Lusophone African countries - Angola, Cape Verde, Guinea-Bissau, Mozambique, and Sao Tome and Príncipe - has so far been relatively overlooked in planning literature. Bringing together a team of leading scholars, this book fills the gap by providing an in-depth analysis of key issues in the history of urban planning and discussing the key challenges confronting contemporary urban planning in these countries. The book argues that urban planning is a

non-neutral and non-value free kind of public action and, therefore, ideology, planning theories, urban models and the ideological role urban planning has played are some of the key issues addressed. For that reason, the practice of Urban Planning is also seen as the outcome of a complex interrelationship between structure and agency, with the role of key planners being examined in some of the chapters. The findings and insights presented by the contributing authors confirm previous research on urban planning in the colonial and postcolonial periods in Lusophone African countries and at the same time break fresh ground and offer additional insights as new evidence has been collected from archives and in fieldwork carried out by a new generation of researchers. In addition, it outlines possible directions for future research. Sustainable Construction uses the latest U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standard to explain the best practices in building procurement and delivery systems. It covers the

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theory, history, state of the art, and best practices in developing high performance green buildings, which provides the basic principles needed for the reader to test any of the myriad decisions that have to be made in designing and constructing a green building—from materials selection to considering the use of natural systems for wastewater processing.

A History of Green Entrepreneurship  
1940 Edition

Deep History

The History of a Color

History, Theory and Contemporary  
Practice

Green Architecture (GreenSource Books)

Advanced Technologies and Materials

Throughout the world, there is an increasing demand on diminishing natural resources in the industrial, transport, commercial, and residential sectors. Of these, the residential sector uses the most energy on such needs as lighting, water heating, air conditioning, space heating, and refrigeration. This sector alone consumes one-third of the total primary energy resources available. By using green building and smart automation techniques, this demand for energy resources can be lowered. Green Building Management and Smart Automation is an

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essential scholarly publication that provides an in-depth analysis of design technologies for green building and highlights the smart automation technologies that help in energy conservation, along with various performance metrics that are necessary to facilitate a building to be known as a "Green Smart Building." Featuring a range of topics such as environmental quality, energy management, and big data analytics, this book is ideal for researchers, engineers, policymakers, government officials, architects, and students. The tropical region covers a significant proportion of the globe, and yet its architecture receives relatively little outside comment or exposure. Dispersed widely throughout the world, the region incorporates areas as far-flung as the Caribbean islands, India, South-East Asia, and large parts of Australia, Africa and South and Central America. Despite their great cultural diversity, these areas share both climatic and ecological factors, as well as a post-colonial condition and the pressures of modernization in the world of globalization. Architects' reactions to the tropical context are as varied as the region is diverse. Tropical Architecture brings together architects and critics from throughout the tropical region, examining the implications of the opposing forces of tradition and innovation and the struggle between global and local order. Among the issues covered are sustainability, bio- and cultural diversity, micro-climatic control and technology and multi-

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disciplinary design. The argument centres on Critical Regionalism, a concept introduced into the architectural debate in the early 1980s by two of the book's co-authors, Tzonis and Lefaivre. This is not a style but rather an approach to architecture that asks for design to be conceived in response to the needs and opportunities of a specific region - although it is not inherently opposed to global potentials. The theoretical debate is backed up by case studies of a range of projects, from small-scale designs using minimal technology to super-sophisticated, high-tech solutions, and from schemes that look to environmental comfort to ones concerned with issues of symbolism and memory. It is out of this multiplicity of approaches that the general global lesson of Critical Regionalism as applied to tropical architecture is to be found. THE PRINCE CLAUS FUND stimulates and supports activities in the field of culture and development by granting awards, funding and producing publications and by financing and promoting networks and innovative cultural activities. Support is given both to persons and to organizations in African, Asian, Latin American and Caribbean countries. This accessible and engaging text is the first to offer a comprehensive critical history and analysis of the greening of architecture through accumulative reduction of negative environmental effects caused by buildings, urban designs and settlements. Describing the

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progressive development of green architecture from 1960 to 2010, it illustrates how it is ever evolving and ameliorated through alterations in form, technology, materials and use and it examines different places worldwide that represent a diversity of cultural and climatic contexts.

The leading green building reference, updated with the latest advances in the field Sustainable Construction is the leading reference for the design, construction, and operation of high performance green buildings. With broad coverage including architecture, engineering, and construction, this book nevertheless delivers detailed information on all aspects of the green building process, from materials selection to building systems and more. This new fourth edition has been updated to reflect the latest codes and standards, including LEED v4, and includes new coverage of carbon accounting. The discussion has been updated to align with the current thinking on economics, climate change, net zero buildings, and more, with contributions by leaders in the field that illustrate the most recent shifts in thinking and practice. Ancillary materials including an instructor's manual and PowerPoint presentations for each chapter help bring this clear and up-to-date information into the classroom, making this book a valuable reference for working construction professionals. Also, Interactive graphics found throughout the

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course help activate the content and highlight key concepts for students. Sustainable construction has gone mainstream, and will one day be the industry norm. This book provides a comprehensive reference to all aspects of a project to show you how green building concepts and principles apply throughout the design and construction process. Get up to date on the latest green building codes and standards Learn about the newest technology in green building materials Adopt the best practices in procurement and delivery systems Apply sustainability concepts to all aspects of construction and design Green buildings operate at a very high level of efficiency, which is made possible only by careful consideration every step of the way. Appropriate land use, landscaping, construction materials, siting, water use, and more all play a role in a structure's ultimate carbon footprint. Sustainable Construction provides clear guidance for all aspects of green building, including the most recent advances and the latest technology.

In an eloquent history of landscape and land use, Vittoria Di Palma takes on the “anti-picturesque”—how landscapes that elicit fear and disgust have shaped our conceptions of beauty and the sublime.

Urban Planning in Lusophone African Countries

The Beauty of Brutalism

Plans, Sections, Elevations

A Critical History of Contemporary Architecture

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Green Healthcare Institutions

Past, Present, Future

American Architecture

ArchitectureFrom Prehistory to Climate

EmergencyPenguin UK

Eco-Towers introduces readers to

groundbreaking designs, most progressive projects, and innovative ways of thinking about a new generation of green skyscrapers that could provide solutions to crises the world faces today including climate change, depleting resources, deteriorating ecology, population increase, decreasing food supply, urban heat island effect, pollution, deforestation, and more. The book suggests that the eco-tower culminates the cultural and technological evolutions of the 21st century by building and improving on the experiences of earlier designs of skyscrapers and philosophies particularly green, sustainable, and ecological. It argues that the true green skyscraper is the one that engages successfully with its larger urban context by establishing symbiotic relationships with the social, economic, and environmental aspects. Since tall buildings are becoming larger and taller, serving greater number of people, and exerting higher demand on the environment and existing infrastructure, any improvements in their design and construction will significantly enhance

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urban conditions. The book elucidates how green skyscrapers better serve tenants, mitigate environmental impacts, and improve integration with the city infrastructure. It explains how skyscrapers' long life cycle offers the greatest justifications for recycling precious resources, and makes it a worthwhile to employ green features in constructing new skyscrapers and retrofitting existing ones. Subsequently, the book explores new designs that are employing cutting-edge green technologies at a grand scale including water-saving technologies, solar panels, helical wind turbines, sunlight-sensing LED lights, rainwater catchment systems, graywater and blackwater recycling systems, seawater-powered air conditioning, and the like. In the future, new building materials and smart technologies will continue to offer innovative design approaches to sustainable tall buildings with new aesthetics, referred to as "eco-iconic" skyscrapers.

This book is a guide to energy efficiency and environmental impact assessment in high-performance buildings projects. It compares four state-of-the-art buildings to examine the steps needed for a transition from negative impact reduction architecture to positive impact regenerative architecture, utilizing life cycle analysis. The book provides a solid grounding in

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the areas of energy-efficient building and building materials life-cycle assessment, discussing carbon efficiency within a wider context that includes its technical, socio-cultural and environmental dimensions and covers the key areas for green buildings performance (operational and embodied energy). The analysis and comparison of four case studies of state-of-art modern building projects in Europe and North America serve as inspiring examples for architects and building professionals in the fields of high performance buildings, ecological materials and carbon efficiency.

Chapter 1.Green Architecture: An Overview;Chapter 2.Definitions and Operationalizations of Green Architecture;Chapter 3.Brief History of Green Architecture;Chapter 4.Green Technologies: Energy Generation;Chapter 5.Green Technologies: Energy Retention;Chapter 6.Green Materials;Chapter 7.Smart Materials;Chapter 8.Case Studies;BibliographyIndexOsman Attmannis an architect and associate professor at the College of Architecture and Planning, University of Colorado.

Provides a history of building with earth in the modern era, focusing on projects constructed in the last few decades that use rammed earth, mud brick, compressed earth, cob, and several other

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techniques made more relevant than ever by ecological and economic imperatives. Features over 40 projects.

## A History

Toward Sustainable Architecture in the 21st Century

The Green Building Revolution

Green Building and Sustainable Development

Building Sustainability in East Asia

The SAGE Handbook of Architectural Theory

Key Buildings from Prehistory to the Present

The “ green building revolution ” is happening right now.

This book is its chronicle and its manifesto. Written by industry insider Jerry Yudelson, *The Green Building Revolution*

introduces readers to the basics of green building and to the projects and people that are advancing this movement. With interviews and case studies, it does more than simply report on the revolution; it shows readers why and how to start thinking about designing, building, and operating high performance, environmentally aware (LEED-certified) buildings on conventional budgets. Evolving quietly for more than a decade, the green building movement has found its voice. Its principles of human-centered, environmentally sensitive development have reached a critical mass of architects, engineers, builders, developers, professionals in government, and consumers. Green buildings are showing us how we can have healthier indoor environments that use far less energy and water than conventional buildings do. The federal government, eighteen states, and nearly fifty U.S. cities already require new public buildings to meet “ green ” standards. According to Yudelson,

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this is just the beginning. The Green Building Revolution describes the many “ revolutions ” that are taking place today: in commercial buildings, schools, universities, public buildings, health care institutions, housing, property management, and neighborhood design. In a clear, highly readable style, Yudelson outlines the broader “ journey to sustainability ” influenced by the green building revolution and provides a solid business case for accelerating this trend. Illustrated with more than 50 photos, tables, and charts, and filled with timely information, The Green Building Revolution is the definitive description of a major movement that ’ s poised to transform our world.

Design With Nature

Green Wedge Urbanism

Green Building: Principles and Practices in Residential  
Construction

Critical Regionalism in the Age of Globalization

Becoming a Green Building Professional

The Greening of Architecture