

Online Library Biophilic And
Bioclimatic Architecture

Analytical Therapy For The
Next Generation Of Passive
Biophilic And
Bioclimatic

Architecture

Analytical Therapy

For The Next

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**Generation Of
Passive
Sustainable
Architecture**

This book contains an introduction and 20

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studies, each describing a recent research investigation in the area of sustainable and resilient buildings, built environment infrastructure and renewable energy. Contributions are from many different countries of the world and on a range of topics, representing a sample of research within the ' sustainable energy and

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buildings' field. The book begins with chapters on the sustainable design of buildings, followed by descriptions of issues relating to the renovation, restoration and reconstruction of existing buildings, or in one case a railway wagon. The next part of the book covers factors that form barriers or impediments to low or zero carbon

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

buildings, followed by studies of issues relating to policy and certification. There then follow four chapters on various topics related to sustainable buildings – undergraduate courses, insurance issues, biophilia relating to buildings and thermal conductivity measurement. There are several chapters relating to renewable

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energy, followed by two chapters with a sustainable transport theme, one relating to electric vehicles, and the other about a sustainable road infrastructure. The final chapter is on the manufacture of sustainable building components for the UK housing sector. The book is of use to engineers, scientists, researchers, practitioners,

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academics and all those who are interested to develop and use sustainability science and technology for the betterment of our planet and humankind, and to mitigate climate change reality.

When searching for genuinely sustainable building design and technology - designs that go beyond conventional sustainability

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to be truly restorative - we often find that nature got there first. Over 3.5 billion years of natural history have evolved innumerable examples of forms, systems, and processes that can be applied to modern green design. For architects, urban designers and product designers, this new edition of Biomimicry in Architecture looks to the natural world to

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achieve radical increases in resource efficiency. Packed with case studies predicting future trends, this edition also contains updated and expanded chapters on structures, materials, waste, water, thermal control and energy, as well as an all-new chapter on light. An amazing sourcebook of extraordinary design solutions, Biomimicry

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in Architecture is a must-read for anyone preparing for the challenges of building a sustainable and restorative future.

Our built environments can affect us in many subtle ways. Simply sensing fresh air and natural light or seeing greenery and open space can uplift our mood and improve our wellbeing. But these healthy

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environments are increasingly difficult to achieve in practice. The vital collaboration between the many people involved in designing and producing buildings is often not achieved. Then there is the pressing need to reduce waste and pollution. Managing these demands is a challenge, especially in a traditional climate of short-

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term thinking. Designing Buildings for People explores how we can learn from buildings of the past, vernacular architecture and the natural world around us, while still harnessing the opportunities presented by technology, to think creatively, work collaboratively and exercise a transdisciplinary approach. The book

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features over 200 images, exhibiting the acclaimed work of internationally recognized and research-led designers from the fields of architecture, engineering and management. It is a prime reference work for professionals and students who want to build the sustainable buildings of the future.

Design for Health: Sustainable Approaches

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to Therapeutic Architecture Guest-Edited by Terri Peters This issue of AD seeks out innovative and varied sustainable architectural responses to designing for health, such as: integrating sensory gardens and landscapes into the care environment; specifying local materials and passive technologies; and reinvigorating aging

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postwar facilities. Contributors include:
Anne-Marie Adams, Sean Ahlquist,
Giuseppe Boscherini, Robin Guenther,
Charles Jencks, Richard Mazuch, Stephen
Verderber, Featured architects: 100%
Interior, Arup, C.F. Møller, Lyons, MASS
Design Group, Montgomery Sisam
Architects, Penoyre & Prasad

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The Greening of Architecture

Handbook of Biophilic City Planning &

Design Sustainable Architecture

Bioclimatic Design in the Light of Climate
Change

Biophilic Cities

Climate Adaptability of Buildings

The Theory, Science and Practice of

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Bringing Buildings to Life

Green Technology Applications for
Enterprise and Academic Innovation

*A gorgeously illustrated,
accessible book that
provides a holistic summary
of the key elements for good
biophilic design*

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This book has been written to represent the efficient applications of sustainability in urban areas. The book intends to illustrate various techniques of action on sustainability on city

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*conception, functions and
conformation. This book is
divided into four parts and
nine chapters: Section I is
entitled "Introduction to
Sustainable Cities Concept"
and contains one chapter
"Introductory chapter:*

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*Overview of Sustainable
Cities Theory and
Practices," which discusses
sustainability in cities in
conception and practice.
Section II is entitled
"Energy and Environmental
Analysis of Sustainable*

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Cities Models." This includes four chapters. It expresses the effect of the environment and energy embodiment on city configuration and function. Section III is entitled "The Role of Transport in a

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*Sustainable City." This part
includes two chapters.*

*Section IV is entitled "The
influence of Social and
Economic Factors in Urban
Space Conception." It
includes two chapters.
Sustainable housing is*

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generally used to describe housing that is environmentally friendly and resource-efficient over the lifetime of the building. Homes are designed to have the least possible negative impact on the environment.

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*This means energy
efficiency, avoiding
environmental toxins, and*

*responsibly using materials
and resources while having
positive physical and
psychological effects on
inhabitants. This book*

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*presents a comprehensive
overview of sustainable
housing, starting from
legislation and ending with
the design and configuration
of homes.*

*We are living at the dawn of
what has been termed 'the*

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fourth paradigm of science, 'a scientific revolution that is marked by both the emergence of big data science and analytics, and by the increasing adoption of the underlying technologies in scientific

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*and scholarly research
practices. Everything about
science development or
knowledge production is
fundamentally changing
thanks to the ever-
increasing deluge of data.
This is the primary fuel of*

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*the new age, which powerful
computational processes or
analytics algorithms are
using to generate valuable
knowledge for enhanced
decision-making, and deep
insights pertaining to a
wide variety of practical*

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uses and applications. This book addresses the complex interplay of the scientific, technological, and social dimensions of the city, and what it entails in terms of the systemic implications for smart sustainable

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*urbanism. In concrete terms,
it explores the
interdisciplinary and
transdisciplinary field of
smart sustainable urbanism
and the unprecedented
paradigmatic shifts and
practical advances it is*

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*undergoing in light of big
data science and analytics.*

*This new era of science and
technology embodies an
unprecedentedly
transformative and
constitutive*

power—manifested not only in

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*the form of revolutionizing
science and transforming
knowledge, but also in
advancing social practices,
producing new discourses,
catalyzing major shifts, and
fostering societal
transitions. Of particular*

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*relevance, it is instigating
a massive change in the way
both smart cities and
sustainable cities are
studied and understood, and
in how they are planned,
designed, operated, managed,
and governed in the face of*

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urbanization. This relates to what has been dubbed data-driven smart sustainable urbanism, an emerging approach based on a computational understanding of city systems and processes that reduces urban

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*life to logical and
algorithmic rules and
procedures, while also
harnessing urban big data to
provide a more holistic and
integrated view or synoptic
intelligence of the city.
This is increasingly being*

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*directed towards improving,
advancing, and maintaining
the contribution of both
sustainable cities and smart
cities to the goals of
sustainable development.
This timely and multifaceted
book is aimed at a broad*

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*readership. As such, it will
appeal to urban scientists,
data scientists, urbanists,
planners, engineers,
designers, policymakers,
philosophers of science, and
futurists, as well as all
readers interested in an*

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*overview of the pivotal role
of big data science and
analytics in advancing every
academic discipline and
social practice concerned
with data-intensive science
and its application,
particularly in relation to*

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Analytical Therapy For The
sustainability.

Grasses

Sustainable Buildings

Anti-architecture and

Deconstruction

Big Data Science and

Analytics for Smart

Sustainable Urbanism

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*Benefits, Diversities and
Functional Roles*

Sustainable Architecture

Biomimicry in Architecture

This book examines bioclimatic design with a focus on the application of climate adaptability in the design of

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future buildings and renovation of existing energy-efficient buildings. It addresses the challenge of how to construct and renovate buildings so that they maintain desired performance even as the climate changes in future decades. The book is divided into six

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chapters that guide the reader from basic concepts to discussions on specific aspects of bioclimatic design, including: Why do we construct buildings and why do they matter? Where should we get started with bioclimatic design? The opportunities

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and potential held by climate for the by bioclimatic architecture and design.

How and why should we design bioclimatic buildings to accommodate future climatic conditions? Climatic changes and implications for the bioclimatic design of buildings. The

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author presents an overview of effective bioclimatic design strategies that enable climate-adaptable buildings. He also addresses the problems of designing with climate, which are relevant for all types of building design—in particular, the

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implications for bioclimatic buildings that are intrinsically connected to the climate they were adapted to. The book combines representative examples, diagrams, and illustrations, and concludes each chapter by reviewing the most important findings and

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concepts discussed. The book offers a valuable source of information for researchers and architectural engineers, who will gain essential insights into the process of using the available tools and data to design buildings that can respond to future climate challenges, as

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well as a general introduction into the field of bioclimatic building design.

The book will also be of interest to graduate students and architects, as it approaches bioclimatic design with a particular focus on the analytical design process for such buildings.

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This book is proposed as both a general reading of the discipline for students in architecture and urban planning, and offers a variety of materials for professionals of local and international organizations. It brings together studies with new perspectives and relevant

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subjects from different geographical areas. The book gathers the contributions of international researchers and experts. It is divided into three parts and eight chapters: Part I, "Introduction to Housing Affairs," includes a chapter that discusses a

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general reading of housing as meaning and action in social, economic, and environmental city life. Part II, "Case Studies Upon Housing Policies," includes four chapters. It consists of many examples from different geographical areas and domains. Part

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III, "Housing Quality and Affordability," includes three chapters; housing quality, sustainability, and development are the main subjects for this part.

This book offers practical and theoretical tools for more effective

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sustainable design solutions and for communicating sustainable design ideas to today's diverse stakeholders. It uses Integral Theory to make sense of the many competing ideas in this area and offers a powerful conceptual framework for sustainable designers

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through the four main perspectives of:
Behaviours, Systems, Experiences and
Cultures. It also uses human
developmental theory to reframe
sustainable design across four levels of
complexity present in society: the
Traditional, Modern, Postmodern, and

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Integral waves. Profuse with
illustrations and examples, the book
offers many conceptual tools including:

- Twelve Principles of Integral Sustainable Design
- Sixteen Prospects of Sustainable Design
- Six Perceptual Shifts for Ecological Design Thinking -

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Five Levels of Sustainable Design
Aesthetics - Ten Injunctions for
Designing Connections to Nature

This book is intended as both an
introduction to the discipline for
students of landscape architecture,
architecture, and planning, and a source

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of continuing interest for more
experienced environmental designers.

The book offers various materials for
landscape architects and other planning
professionals. The book is divided into
4 parts and 17 chapters. Part I
"Introduction to the Landscape

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Architecture Theme" is general reading on landscape architecture. Part II "Art's Replica and Landscape Architecture Model" includes three chapters. This part represents a theoretical and sensitive visual interpretation of landscape architecture. Part III

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"Sustainable Prototypes of a Contemporary Landscape Architecture" includes four chapters, with sustainability as a concept and guiding thought. Part IV "Landscape Architecture Around the World (Study Cases)" includes 9 chapters with many

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examples from different geographical
practical cases.

Twelve Lectures on Architecture
Greening in the Red Zone
A Critical History and Survey of
Contemporary Sustainable Architecture
and Urban Design

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Designing and Understanding the
Human-Nature Connection

Emerging Research in Sustainable
Energy and Buildings for a Low-
Carbon Future

Bioclimatic Housing

The Emergence of Biophilic Design

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*Sustainable design has made great
strides in recent years;
unfortunately, it still falls short of
fully integrating nature into our
built environment. Through a
groundbreaking new paradigm of
"restorative environmental design,"*

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award-winning author Stephen R. Kellert proposes a new architectural model of sustainability. In Building For Life, Kellert examines the fundamental interconnectedness of people and nature, and how the loss of this connection results in a

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diminished quality of life. This thoughtful new work illustrates how architects and designers can use simple methods to address our innate needs for contact with nature. Through the use of natural lighting, ventilation, and materials, as well as

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*more unexpected methodologies-the
Next Generation Of Passive
Sustainable Architecture
use of metaphor, perspective,
enticement, and symbol-architects
can greatly enhance our daily lives.
These design techniques foster
intellectual development, relaxation,
and physical and emotional well-*

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being. In the works of architects like Frank Lloyd Wright, Eero Saarinen, Cesar Pelli, Norman Foster, and Michael Hopkins, Kellert sees the success of these strategies and presents models for moving forward. Ultimately, Kellert views our

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*Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture*

*fractured relationship with nature as
a design problem rather than an
unavoidable aspect of modern life,
and he proposes many practical and
creative solutions for cultivating a
more rewarding experience of
nature in our built environment.*

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*Biophilic and Bioclimatic
Architecture Analytical Therapy for
the Next Generation of Passive*

*Sustainable Architecture Springer
Science & Business Media*

*The essential guide to environmental
control systems in building design*

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*For over 25 years Heating, Cooling,
Lighting: Sustainable Design
Strategies Towards Net Zero*

*Architecture has provided architects
and design professionals the
knowledge and tools required to
design a sustainable built*

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*environment at the schematic design
stage. This Fifth Edition offers
cutting-edge research in the field of
sustainable architecture and design
and has been completely
restructured based on net zero
design strategies. Reflecting the*

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*Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture*
*latest developments in codes,
standards, and rating systems for
energy efficiency, Heating, Cooling,
Lighting: Sustainable Design
Strategies Towards Net Zero
Architecture includes three new
chapters: Retrofits: Best practices*

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*Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture*
*for efficient energy optimization in
existing buildings Integrated
Design: Strategies for synergizing
passive and active design Design
Tools: How to utilize the best tools
to benchmark a building's
sustainability and net zero potential*

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Next Generation Of Passive
Sustainable Architecture

*Heating, Cooling, Lighting:
Sustainable Design Strategies
Towards Net Zero Architecture is a
go-to resource for practicing
professionals and students in the
fields of environmental systems
technology or design, environmental*

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*design systems, construction
technology, and sustainability
technology.*

*Creation and access to green spaces
promotes individual human health,
especially in therapeutic contexts
among those suffering traumatic*

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*events. But what of the role of
access to green space and the act of
creating and caring for such places
in promoting social health and well-
being? Greening in the Red Zone
asserts that creation and access to
green spaces confers resilience and*

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*Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture*
*recovery in systems disrupted by
violent conflict or disaster. This
edited volume provides evidence for
this assertion through cases and
examples. The contributors to this
volume use a variety of research and
policy frameworks to explore how*

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*Analvtical Therapy For The
creation and access to green spaces
Next Generation Of Passive
in extreme situations might
Sustainable Architecture
contribute to resistance, recovery,
and resilience of social-ecological
systems.*

Nature by Design

Disaster, Resilience and Community

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Analytical Therapy For The
Greening

*Analytical Therapy for the Next
Generation of Passive Sustainable
Architecture*

Design for Health

*Sustainable Design for the Built
Environment*

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Transformative Perspectives Next Generation Of Passive Sustainable Architecture

Tim Beatley has long been a leader in advocating for the "greening" of cities. But too often, he notes, urban greening efforts focus on everything except nature, emphasizing such

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elements as public transit, renewable energy production, and energy efficient building systems. While these are important aspects of reimagining urban living, they are not enough, says Beatley. We must remember that human beings have an innate need to connect with the

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natural world (the biophilia hypothesis). And any vision of a sustainable urban future must place its focus squarely on nature, on the presence, conservation, and celebration of the actual green features and natural life forms. A biophilic city is more than simply a

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biodiverse city, says Beatley. It is a place that learns from nature and emulates natural systems, incorporates natural forms and images into its buildings and cityscapes, and designs and plans in conjunction with nature. A biophilic city cherishes the natural features

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that already exist but also works to restore and repair what has been lost or degraded. In Biophilic Cities Beatley not only outlines the essential elements of a biophilic city, but provides examples and stories about cities that have successfully integrated biophilic elements--from

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the building to the regional level--around the world. From urban ecological networks and connected systems of urban greenspace, to green rooftops and green walls and sidewalk gardens, Beatley reviews the emerging practice of biophilic urban design and planning, and tells many

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compelling stories of individuals and groups working hard to transform cities from grey and lifeless to green and biodiverse.

This book has been written to present elementary practical and efficient applications in saving energy concept, as well as propose a solitary

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action for this category of topics. The book aims to illustrate various methods in treatment the concept of thermal insulation such as processes and the attempt to build an efficient passive building model.

This book has been written to represent the efficient applications of

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sustainability upon building designs. The book intends to illustrate various techniques of action of sustainability on building conceptions. The book is divided into four parts and eight chapters. Part I "Introduction into Target Theme" includes a chapter with title "Introductory Chapter." It

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture
makes an overview of the meaning and the target of sustainable building and sustainable building material.

Part II "Sustainable Building Design, Process, and Management" discusses many forms and concepts of sustainable building and includes three chapters. Part III "Sustainable

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Building by Using Energy Efficiency in Building Design" includes one chapter. Part IV "Sustainability in Building Materials: Study Cases" includes three chapters.

This book addresses the emergence of biophilic design, a form of design that looks at people ' s intrinsic

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connection with nature. There is no denying that biophilic design is rapidly expanding globally as an effective response to pressing issues in urban areas and built environments. From being a term few had heard of in 2012, when the author ' s research began, to one that

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

is currently trending in a broad range of disciplines, the story of its emergence has never been properly told. The story of the emergence of biophilic design is the story of a social movement and how a gathering of people with a common interest and passion can spark a global trend. The

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book and the stories within are not only engaging but also informative and educational, offering readers an in-depth understanding of what biophilic design is all about, and how to promote its implementation in their own built environment.

Hopefully, they will inspire people to

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act, to campaign and to implement initiatives in their urban environment, with the confidence that they are capable of making a difference. The author spent three years researching the emergence of biophilic design, and why and how it was driven by certain people who championed the

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concept. Part of the author ' s research involved a three-month tour of ten North American cities, during which she interviewed 26 key players. These people ranged from community leaders, landscape architects, and academics, to the CEOs of NGOs and government

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leaders. The result is a collection of stories that illustrate the evolution of biophilic design, and how it was frequently born from a passion for, belief in and love of nature, as well as a response to an urban crisis.

Emerging Approaches in Design and New Connections With Nature

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Analytical Therapy For The
The Biophilia Hypothesis
Sustainable liveable architecture
Housing

Unprecedented Paradigmatic Shifts
and Practical Advancements

Algorithmic Sustainable Design

Designing Buildings for People

A Practical Exam Guide for

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*the ARE 5.0 Programming &
Analysis (PA) Division! To
become a licensed
architect, you need to
have a proper combination
of education and/or
experience, meet your*

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Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture
taking techniques, tips and guides, and critical content for the ARE 5.0 Programming & Analysis (PA) Division. More specifically this book covers the following

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Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture

*subjects: · ARE 5.0, AXP,
and education requirements
· ARE 5.0 exam content,
format, and prep
strategies · ARE 5.0
credit model and the
easiest way to pass ARE*

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*exams · Allocation of your
time and scheduling ·*

*Timing of review: the 3016
rule; memorization
methods, tips,
suggestions, and mnemonics
· Environmental &*

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Analytical Therapy For The
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Sustainable Architecture

*contextual conditions .
Codes & regulations . Site
analysis & programming .
Building analysis &
programming This book will
help you pass the PA
division of the ARE 5.0*

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*and become a licensed
architect! Can you study
and pass the ARE 5.0*

*Programming & Analysis
(PA) exam in 2 weeks? The
answer is yes: If you
study the right materials,*

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*you can pass with 2 weeks
of prep. If you study our
book, "Programming &
Analysis (PA) ARE 5.0 Exam
Guide (Architect
Registration Examination)"
& "Programming & Analysis*

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Analytical Therapy For The
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Sustainable Architecture
(PA) ARE 5.0 Mock Exam
(Architect Registration
Examination), " you have an
excellent chance of
studying and passing the
ARE 5.0 Programming &
Analysis (PA) division in

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*2 weeks. We have added
many tips and tricks that
WILL help you pass the
exam on your first try.*

*Our goal is to take a very
complicated subject and
make it simple.*

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*“Programming & Analysis
(PA) ARE 5.0 Exam Guide
(Architect Registration
Examination)” &*

*“Programming & Analysis
(PA) ARE 5.0 Mock Exam
(Architect Registration*

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*Examination)" will save
you time and money and
help you pass the exam on
the first try! ArchiteG®,
Green Associate Exam
Guide®, and
GreenExamEducation® are*

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*registered trademarks
owned by Gang Chen. ARE®,
Architect Registration*

*Examination® are
registered trademarks
owned by NCARB.*

This book has been

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*prepared to embody the
major and efficient
applications of the*

*different duties and the
role of sustainability in
urban planning and design,
by a new reading of the*

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Sustainable Architecture

*city structure and
composition, as well as
offering a solid and clear
concept for this kind of
science. The book aims to
illustrate various
theories and methods of*

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*the treatment of the
modern ideas of
metropolitan life. The*

*book is divided into two
parts and contains 23
chapters.*

Twelve Lectures on

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*Architecture is a profound
philosophical work
presented as a set of
architectural lecture
notes. It reads very
easily, explaining why
certain buildings and*

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*places speak to our
hearts, thus illuminating
many of our old
assumptions about taste.
Salingaros establishes,
using biology, why
traditional architecture*

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*is perceived intuitively
by most people as more
natural and life-affirming
than modernist
architecture. A deep
malaise of contemporary
society is tied to the*

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Sustainable Architecture

*shocking state of
architecture and urbanism
in our times,
characterized by distorted
buildings and unusable
urban spaces. Salingaros
is the archetypal deep*

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*thinker and punctures the
pretenses of our most
respected architecture
critics. He is a
charismatic teacher, and
manages to explain
seemingly inaccessible*

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*concepts such as fractals,
scaling, the golden mean,
cellular automata, genetic
algorithms, and complexity
in simple hand-drawn
sketches. He has found a
way to translate the*

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*complexities inherent in
the design of our
environment into imagery
that even a general reader
can understand. Twelve
Lectures on Architecture
includes an excellent*

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*introduction to
Christopher Alexander's
recent and remarkable work*

*on how biology and
architecture intersect in
humankind's unconscious
perceptions. This book has*

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*the importance to change
the world because it goes
into things that people
should have thought about
but haven't. What They're
Saying... "With Nikos as
our guide, we see through*

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*the invisibility of the
emperor's new clothes, and
we laugh (or cry) all the
harder at the joke played
on mankind by modern
architecture.” – The
Providence Journal*

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

“Salingaros is a charismatic teacher. The author presents mathematical concepts and computer technologies: fractals, cellular automata, genetic

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*algorithms. He shows us
the beauty of mathematics
through its
usage...Formulating his
message through a broad
spectrum of topics,
Salingaros appears to be a*

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true Renaissance figure.”
– *Jadwiga Zarnowiecka,*
professor and architect,
Bialystok, Poland. "This
book is intended for
students, yet I think it
should be read by everyone

Online Library Biophilic And Bioclimatic Architecture

*who is interested in or
works with the built
environment. Those who*

*teach urban planning do it
for their own ego, not for
people who are supposed to
live there. The result is*

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*an architectural object
for imaginary people." –*

*Cristina Caramelo Gomes,
professor and architect,
Lisbon, Portugal*

*This book explains how
learning from past*

Online Library Biophilic And Bioclimatic Architecture

*mistakes in urban design
can help to enhance
sustainable cities and how*

*the principles of Green
Urbanism can yield more
resilient urban
settlements. Environmental*

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design is a fundamental principle in shaping cities. However,

environmental challenges like increased resource consumption, water degradation and waste-

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related issues are among the greatest problems now facing humanity – which is why these issues need to be considered with regard to “smart cities,” either for the development of new

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*Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture*
urban centers or for the
transformation of existing
cities. The book not only
discusses the importance
of integrating
sustainability principles
in the urban design

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*process, but also
demonstrates their
application to the*

*development of sustainable
cities. As such, the book
offers essential
information and a source*

Online Library Biophilic And Bioclimatic Architecture

*of inspiration for all
those who want to build
more sustainable cities.*

*Integrating Nature Into
Urban Design and Planning
Interaction Between a
Holistic Conceptual Act*

Online Library Biophilic And Bioclimatic Architecture

*and Materials Properties
Next Generation Of Passive
Arsitektur Bioklimatik
Sustainable Architecture
Building for Life*

Biophilic Design

Effective Thermal

Insulation

The Operative Factor of a

Online Library Biophilic And Bioclimatic Architecture

Passive Building Model

**"When nature inspires our
architecture-not just how it
looks but how buildings and
communities actually
function-we will have
made great strides as a**

Online Library Biophilic And
Bioclimatic Architecture

***society. Biophilic Design
provides us
with tremendous insight
into the 'why,' then builds
us a road map for what is
sure to be the next great
design journey of***

Online Library Biophilic And
Bioclimatic Architecture

ourtimes." -**Rick Fedrizzi,**
President, CEO and
Founding Chairman, U.S.
GreenBuilding Council

*"Having seen firsthand in
my company the power of
biomimicry to stimulate a*

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Bioclimatic Architecture

Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture

**wellspring of profitable
innovation, I can
say unequivocally that
biophilic design is the real
deal. Kellert, Heerwagen,
and Mador have compiled
the wisdom of world-**

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Bioclimatic Architecture

*renowned experts to
produce this exquisite
book; it is must reading
for scientists, philosophers,
engineers, architects and
designers, and-most
especially-business people.*

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Bioclimatic Architecture

***Anyone looking for the key
to a new type of prosperity
that respects the earth
should start there." -Ray C.
Anderson, founder and
Chair, Interface, Inc. The
groundbreaking guide to***

Online Library Biophilic And
Bioclimatic Architecture

***the emerging practice of
biophilic design This book
offers a paradigm shift in
how we design and build
our buildings and our
communities, one that
recognizes that the positive***

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Bioclimatic Architecture

***experience of natural
systems and processes in
our buildings and
constructed landscapes is
critical to human
health, performance, and
well-being. Biophilic design***

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Bioclimatic Architecture

***is about humanity's place in
nature and the natural
world's place in human
society, where mutuality,
respect, and enriching
relationships can and should
exist at all levels and***

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Bioclimatic Architecture

*should emerge as the norm
rather than the exception.*

*Written for architects,
landscape architects, planners,
developers, environmental
designers, as well as
building owners,*

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Bioclimatic Architecture

***Biophilic Design: The
Theory, Science, and
Practice of Bringing
Buildings to Life is a guide
to the theory, science, and
practice of biophilic design.
Twenty-three original and***

Online Library Biophilic And
Bioclimatic Architecture

*timely essays by world-
renowned scientists,
designers, and*

*practitioners, including
Edward O. Wilson, Howard
Frumkin, David Orr, Grant
Hildebrand, Stephen Kieran,*

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Bioclimatic Architecture

*Tim Beatley, Jonathan Rose,
Janine Benyus, Roger
Ulrich, Bert Gregory, Robert
Berkebile, William
Browning, and
Vivian Loftness, among
others, address: * The basic*

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Bioclimatic Architecture

***concepts of biophilia, its
expression in the
built environment, and how
biophilic design connects to
human biology, evolution,
and development. * The
science and benefits of***

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Bioclimatic Architecture

***biophilic design on human
health, childhood
development, healthcare,
and more. * The practice of
biophilic design-how to
implement biophilic
designstrategies to create***

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Bioclimatic Architecture

***buildings that connect
people with nature
and provide comfortable
and productive places for
people, in which they can
live, work, and study.
Biophilic design at any***

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Bioclimatic Architecture

Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture

***scale-from buildings to
cities-begins with a few
simple questions: How does
the built environment
affect the natural
environment? How will
nature affect human***

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Bioclimatic Architecture

*experience and aspiration?
Most of all, how can we
achieve sustained
and reciprocal benefits
between the two? This
prescient, groundbreaking
book provides the answers.*

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***Sustainable Design for the
Next Generation Of Passive
Sustainable Architecture
marks
the transition of
sustainable design from a
specialty service to the
mainstream approach for
creating a healthy and***

Online Library Biophilic And
Bioclimatic Architecture

*resilient built environment.
This groundbreaking and
transformative approach
introduces sustainable
design in a clear, concise,
easy-to-read format. This
book takes the reader deep*

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Bioclimatic Architecture

*into the foundations of
sustainable design, and
creates a holistic and
integrative approach
addressing the social,
cultural, ecological, and
aesthetic aspects in*

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Bioclimatic Architecture

*addition to the typical
performance-driven goals.
The first section of the
book is themed around the
origins, principles, and
frameworks of sustainable
design aimed at inspiring a*

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Bioclimatic Architecture

***deeper, broader, and more
inclusive view of
sustainability. The second
section examines strategies
such as biophilia and
biomimicry, adaptation and
resilience, health and well-***

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Bioclimatic Architecture

*being. The third section
examines the application of
sustainability principles
from the global, urban,
district, building, and
human scale, illustrating
how a systems thinking*

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Bioclimatic Architecture

*approach allows
sustainable design to span
the context of time, space,
and varied perspectives.
This textbook is intended to
inspire a new vision for the
future that unites human*

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*activity with natural
processes to form a
regenerative,
coevolutionary model for
sustainable design. By
allowing the reader an
insightful look into the*

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Bioclimatic Architecture

*history, motivations, and
values of sustainable
design, they begin to see
sustainable design, not
only as a way to deliver
green buildings, but as a
comprehensive and*

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Bioclimatic Architecture

***transformative meta-
framework that is so
needed in every sector of
society. Supported by
extensive online resources
including videos and
PowerPoints for each***

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Bioclimatic Architecture

***chapter, this book will be
essential reading for
students of sustainability
and sustainable design.
In today's changing and
transforming socio-
economic, political,***

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Bioclimatic Architecture

***Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture
cultural, and technological
paradigms, we encounter
many methodologies,
approaches, proposals, and
practices in reconsidering
the disappearing or
emerging relations in the h***

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Next Generation Of Passive
Sustainable Architecture
**uman/nonhuman-
environment-nature
interaction. These**

**approaches, proposals, and
practices range from new
methods of urban
gardening to biophilic**

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Sustainable Architecture

***design and
augmented/immersive
environments. However,
these human-centric
approaches, which only aim
to meet their needs or
emerge as technology-***

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*oriented replicas and
representations of nature,
lead to a departure from a
holistic approach to the
natural and artificial
environment. Therefore,
how can new and emerging*

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***approaches or
methodologies draw a
holistic framework for
environmental health,
sustainability, wellness,
and co-existence between
environments for all living***

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Next Generation Of Passive

Sustainable Architecture

***beings? Emerging
Approaches in Design and
New Connections With
Nature covers a variety of
topics related to the
intersection between
nature, environment, and***

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***ways of living and provides
a comprehensive guide to
biophilic design and the
idea of design and nature,
including benefits,
theories, and effects.
Covering topics such as***

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***biophilic design and
sustainability, soundscapes
and landscapes, and urban
environments and design, it
is ideal for architects,
designers, urban planners,
landscape designers,***

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Bioclimatic Architecture

***analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture
policymakers, engineers,
interior designers,
practitioners, students,
academicians, and
researchers.***

**FULLY ILLUSTRATED,
UPDATED GUIDE TO THE**

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**STRATEGIC DESIGN OF
GREEN BUILDINGS In the
tradition of Building
Construction Illustrated,
Francis D.K. Ching and Ian
M. Shapiro offer a fully
illustrated guide to the**

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*theory and practice of
sustainable design. This
guide provides architects,
designers, and builders in
the green design
professional community a
framework and detailed*

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***strategies for designing
substantively green
buildings. With a focus on
sustainable sites,
approaching and reaching
net-zero energy, low and
zero-water usage, minimum-***

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*impact materials and
superior indoor
environmental quality, this
guide explains why we
need to build green, as well
as green building theory
and advancements in the*

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*industry. This Second
Edition includes: All-new
case studies featuring
geographically diverse
buildings with proven zero
energy performance
Expanded coverage of zero*

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***energy building design, as
well as zero water and zero
waste buildings Practical
guidance for the schematic
design of high-performance
buildings, heating and hot
water system selection,***

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***building envelope details,
and integrating renewable
energy Advanced
strategies, such as the
concept of shape efficiency,
and the optimal location for
stairwells in buildings***

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Analytical Therapy For The
Next Generation Of Passive
Sustainable Architecture

***Additional strategies for
affordability in green
design and construction***

***Updated references to the
latest codes and standards***

***This Second Edition of
Green Building Illustrated is***

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Bioclimatic Architecture

*an excellent resource for
professionals, students and
those interested in the
design and construction of
sustainable buildings.
Integral Sustainable Design
Inovasi Sains Arsitektur*

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***Negeri untuk Kenyamanan
Termal Alami Bangunan
The Sense of Places,
Models and Applications
Landscape Architecture
A biophilic design guide
Advanced Studies in***

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***Efficient Environmental
Design and City Planning
Heating, Cooling, Lighting***

The position of spy fiction is largely synonymous in popular culture with ideas of patriotism and national security, with the spy himself indicative of the defence of British interests and

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the preservation of British power around the globe. This book reveals a more complicated side to these assumptions than typically perceived, arguing that the representation of space and power within spy fiction is more complex than commonly assumed. Instead of the British spy

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tirelessly maintaining the integrity of Empire, this volume illustrates how spy fiction contains disunities and disjunctions in its representation of space, and the relationship between the individual and the state in an era of declining British power. Focusing primarily on the work of Graham

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

Greene, Ian Fleming, Len Deighton, and John le Carre, the volume brings a fresh methodological approach to the study of spy fiction and Cold War culture. It presents close textual analysis within a framework of spatial and sovereign theory as a means of examining the cultural impact of

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decolonization and the shifting geopolitics of the Cold War. Adopting a thematic approach to the analysis of space in spy fiction, the text explores the reciprocal process by which contextual history intersects with literature throughout the period in question, arguing that spy fiction is

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responsible for reflecting, strengthening and, in some cases, precipitating cultural anxieties over decolonization and the end of Empire. This study promises to be a welcome addition to the developing field of spy fiction criticism and popular culture studies. Both engaging and original in

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its approach, it will be important reading for students and academics engaged in the study of Cold War culture, popular literature, and the changing state of British identity over the course of the latter twentieth century.

Serenity is becoming alarmingly

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absent from our daily existence, especially within the urban context.

Time is dense and space is tumultuous. The idea of the serene has gained currency in postmodern discussions, and when combined with urbanism conjures questions, even contradictions, as the two ideas seem

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improbable yet their correspondence seems so inherently desirable.

Integrated, these two constructs present design challenges as they manifest in differing ways across the rural–urban transect. In response, Part I of this book establishes the theoretical framework through different

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contemporary perspectives, and concludes with a clear explanation of a theory of serene urbanism. The positive characteristics of urbanism and beneficial qualities of the serene are explored and related to sustainability, biophilia, placemaking and environmental design. Both

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

principles and examples are presented as compelling portraits for the proposal of these new urban landscapes. Part II of the work is an in-depth exploration and analysis of serene urban ideas related to the intentional community being created outside of Atlanta, Georgia, USA. "Serenbe" is the name

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given to this place to commemorate the value and nuance between the serene and urban.

Written by a leading proponent of biophilic design, this is the only practical guide to biophilic design principles for interior designers.

Describing the key benefits, principles

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and processes of biophilic design, Nature Inside illustrates the implementation of biophilic design in interior design practice, across a range of international case studies – at different scales, and different typologies. Starting with the principles of biophilic design, and the principles

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and processes in practice, the book then showcases a variety of interior spaces – residential, retail, workplace, hospitality, education, healthcare and manufacturing. The final chapter looks ‘ outside the walls ’ , giving a case study at the campus and city scale. With practical guidance and real-world

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solutions that can be directly-applied in day-to-day practice, this is a must-have for designers interested in applying biophilic principles.

This book has been prepared to embody the major and efficient applications of the different duties and roles of grasses in our life, as well as

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offered a solid concept for this kind of science. The book aims to illustrate various ideas, methods and how it is treated in the agronomic process for different forms of grasses in human life.

A biophilic theory and practice of sustainable placemaking

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Green Building Illustrated
Sustainable Design Strategies
Towards Net Zero Architecture

The Practice of Biophilic Design
Sustainable Approaches to
Therapeutic Architecture

Programming & Analysis (PA) ARE 5.0
Exam Guide (Architect Registration

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Examination): ARE 5.0 Overview, Exam Prep Tips, Guide, and Critical Content

British Spy Fiction and the End of Empire

Buku ini menjelaskan secara sistematis pengetahuan, konsep,

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strategi, aplikasi, dan pengembangan arsitektur bioklimatik untuk nyaman termal alami. Urutan pembahasan mencakup pemahaman arsitektur bioklimatik; kesemestaan

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Sustainable Architecture

pengetahuan arsitektur
bioklimatik; kesetempatan
tropis bioklimatik;
tradisi bioklimatik
vernakular; urai-rangkai
kajian bioklimatik;
inovasi nyaman termal

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bioklimatik serta arsitektur bioklimatik masa depan. Pemahaman arsitektur bioklimatik bertujuan menggali nilai-nilai kenyamanan sebagai upaya menjalin

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

keberlanjutan nilai manusiawi dan alami pada karya arsiteklur negeri dari masa ke masa. istilah Sains Arsitektur Negeri merangkum tentang arsitektur setempat yang

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merupakan semangat baru untuk menemukan desain pasif pada arsitektur di masa lalu, menumbuhkan kembangkannya di masa kini dan menjamin ketepatan gunaannya di masa depan.

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Semesta pengetahuan bioklimatik diawali dengan kriteria dasar yang mengarah pada konsep dan model bangunan bioklimatik. Kesetempatan tropis panas lembap pada

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kepulauan antara dua benua dan dua samudera memberikan karakter iklim dan konsep kenyamanan termal yang spesifik.

Tradisi bioklimatik vernakular menunjukkan

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adanya elemen dan strategi desain pasif pada arsitektur masa lalu yang tumbuh berkembang selama kurun waktu yang panjang. Hal ini menjadi sumber ide, inisiatif, inovasi,

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implementasi, dan integrasi secara kontemporer dan ilmiah.

Teknik urai-rangkai atau secara ilmiah disebut riset dan desain melalui pengumpulan data,

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validasi, analisis, temuan, hasil, dan pembahasan merupakan proses inovatif untuk mencapai nyaman termal – Keluasan rancang hangun desain bioklimatik dapat

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diterapkan dengan cepat, tetapi perubahan tuntutan kebutuhan kenyamanan serta lingkungan binaan memerlukan inovasi lebih lanjut. Sebagai penutup, arsitektur bioklimatik

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menjadi gerak dasar keberlanjutan dan upaya memperjuangkan kelestarian alam (era ecology) di tengah perkembangan era industry 4.0 dan era society 5.0

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yang cepat untuk masa depan arsitektur negeri yang lebih baik.

"This publication offers practical advice and inspiration for ensuring that nature in the city is

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more than
infrastructure--that it
also promotes well-being
and creates an emotional
connection to the earth
among urban residents.
Divided into six parts,

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the Handbook begins by introducing key ideas, literature, and theory about biophilic urbanism. Chapters highlight urban biophilic innovations in more than a dozen global

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture

cities. The final part concludes with lessons on how to advance an agenda for urban biophilia and an extensive list of resources."--Publisher.

In the age of corporate

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responsibility, green technology and sustainability continue to grip the consciousness of business and academic institutions. However, development of appropriate

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Sustainable Architecture

business-driven green
applications requires an
awareness of best
practices of the green
agenda. Green Technology
Applications for
Enterprise and Academic

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Innovation addresses the
importance of green
technology and
sustainability for
technology, enterprise,
and academic innovation in
energy management,

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renewable energy, and
carbon reduction
strategies. This book acts
as the bridge for
practitioners, academia,
businesses,
industrialists,

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Analytical Therapy For The Next Generation Of Passive Sustainable Architecture
governmental executives, and students seeking research in this emerging area.

This book brings together the views of some of the most creative scientists

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Sustainable Architecture

of our time, each
attempting to amplify and
refine the concept of

biophilia. Contributors to
this volume include Jared
Diamond, Aaron Katcher,
Richard Nelson and others.

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Authenticity, Ambition and
Dream

Biophilic and Bioclimatic
Architecture

Innovative Designs for
Warm Climates

Sustainability in Urban

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Planning and Design
Next Generation Of Passive
Sustainable Cities
Nature Inside Architecture

Serene Urbanism

This accessible and engaging text
is the first to offer a comprehensive
critical history and analysis of the

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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

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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.

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Biophilic and Bioclimatic Architecture is a guide to innovative architectural design for architects, engineers and other specialists who are working with biophilic and bioclimatic architectural concepts.

Biophilic and Bioclimatic

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Architecture has three parts: □ Part I focuses on the relationship between architecture and human needs and the creation process, demonstrating the meaning of architectural value in architectural hypothesis. □ Part II opens the way

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towards a new understanding of biophilic architecture as a response to the negative actions of humans and the negative effects of using natural resources. Part III shows the benefits of combining the effects of the climate with the notion

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of human comfort in bioclimatic architecture.

In the search for sustainable architecture, there is growing interest in the relationship between nature and design. In this vital new book, the term bioclimatic, relating

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to the dynamic between climate and living organisms, is applied by the authors in focusing on countries where housing requires cooling for a significant part of the year. In this context, Bioclimatic Housing covers creative, vernacular architecture to

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present both the theory and practice of innovative, low-energy architecture. The book interweaves the themes of social progress, technological fixes and industry transformation within a discussion of global and country trends,

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climate types, solutions and technologies. Prepared under the auspices of a 5-year International Energy Agency (IEA) project, and with case studies from Iran, Malaysia, Australia, Japan, Sri Lanka and Italy, this is a truly

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international and authoritative work, providing an essential primer for building designers, builders, developers and advanced students in architecture and engineering.