Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life

Biophilic Design
Biophilic Design
Nature by Design
Biomimetics for Architecture
Nature Inside
Birthright
Biophilic Cities
Building for Life
Kinship to Mastery
Emerging Approaches in Design and New Connections With Nature
Handbook of Biophilic City Planning & Design
A Handbook of Theories on Designing Alignment Between People and the Office Environment
Design for a Living Planet
Biomimicry for Designers
Sustainable Healthcare Architecture
Green Urbanism Down Under
Biomimetics for Designers
Creating Biophilic Buildings
Color Planning for Interiors
Biophilic and Bioclimatic Architecture
A Theory of Architecture
From Concept to Form in Landscape Design
The Tall Buildings Reference Book
Beyond the Numbers
The Value of Life
Regenerative-Adaptive Design for Sustainable Development
Biophilia
Beauty, Neuroscience & Architecture
Biophilia
Place Advantage

Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life pdf
Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life pdf download
Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life pdf free
Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life References
Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life Descriptions
Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life Books
What is the Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life?
What is a Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life?
What are Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life?
What is Biophilic Design The Theory Science And Practice Of Bringing Buildings To Life?

2021-04-02 Nikos A. Salingaros More than a decade in the making, this is a textbook of architecture, useful for every architect: from first-year students, to those taking senior design studio, to graduate students writing a Ph.D. dissertation in architectural theory, to experienced practicing architects. It is very carefully written so that it can be read even by the beginning architecture student. The information contained here is a veritable gold mine of design techniques. This book teaches the reader how to design by adapting to human needs and sensibilities, yet independently of any particular style. Here is a unification of genuine architectural knowledge that brings a new clarity to the discipline. It explains much of what people instinctively know about architecture, and puts that knowledge for the first time in a concise, understandable form. Dr. Salingaros has experience in the organization of the built environment that few practicing architects have. The later chapters of this new book touch on very sensitive topics: what drives architects to produce the forms they build; and why architects use only a very restricted visual vocabulary. Is it personal inventiveness, or is it something more, which perhaps they are not even aware of? There has not been such a book treating the very essence of architecture. The only other author who is capable of raising a similar degree of passion (and controversy) is Christopher Alexander, who happens to be Dr. Salingaros' friend and architectural mentor. "Surely no voice is more thought-provoking than that of this intriguing, perhaps historically important, new thinker?" From the Preface by His Royal Highness, Charles, The Prince of Wales "A New Vitruvius for 21st-Century Architecture and Urbanism?" Dr. Ashraf SalamaChair, Department of Architecture and Urban Planning, Qatar University, Doha, Qatar "Architecture, Salingaros argues, is governed by universal and intuitively understood principles, which have been exemplified by all successful styles and in all civilizations that have left a record of themselves in their buildings. The solution is not to return to the classical styles… the solution is to return to first principles and build within their constraints… " Dr. Roger Scruton Philosopher, London, UK "A fundamental text, among the most significant of the past several years." Dr. Vilma Torselli Architect and Author, Milan, Italy "A Theory of Architecture demonstrates how mathematics and the social sciences offer keys to designing a humane architecture. In this brilliant tome Salingaros explains why many modern buildings are neither beautiful nor harmonious and, alternatively, how architects and patrons can employ scale, materials and mathematical logic to design structures which are exciting, nourishing, and visually delightful." Duncan G. Stroik Professor of Architecture, University of Notre Dame, Indiana "Salingaros explores ways to clarify and formalize our understanding of aesthetic forms in the built environment, using mathematics, thermodynamics, Darwinism, complexity theory and cognitive sciences. Salingaros' remarkable observations suggest that concepts of complexity and scale can someday provide a full-bodied explanation for both the practice and the appreciation of architecture." Kim Sorvig Architecture & Planning, University of New Mexico See this book's Wikipedia entry http://en.wikipedia.org/wiki/A_Theory_of_Architecture Nikos A. Salingaros is an internationally known urbanist and architectural theorist who has studied the scientific bases underlying architecture for thirty years. Utne Reader ranked him as "One of 50 visionaries who are changing your world", and Planetizen as 11th among "The top 100 urban thinkers of all time". He is Professor of Mathematics at the University of Texas at San Antonio.

2019-06-17 Jan Knippers Nature has always been a source of inspiration for the design of the human environment. The analysis of biological constructions can not only lead to astonishing technical solutions but can also inspire the design of architecture. Bionics is a fascinating border area between pure research and practical application: biologists, chemists, physicists, mineralogists, and paleontologists meet up with material scientists, engineers, and architects and transfer their knowledge to architecture and construction. Using numerous practical examples, this richly illustrated introduction traces the process from the understanding of how something functions, to abstraction—for example in computer models—and the construction of initial prototypes, through to fully functional manufacture and production.

2013-04-23 Stephen R. Kellert "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 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 our times." -Rick Fedrizzi, President, CEO and Founding Chairman, U.S. Green Building Council "Having seen firsthand in my company the power of biomimicry to stimulate a wellspring of profitable innovation, I can say unequivocably that biophilic design is the real deal. Kellert, Heerwagen, and Mador have compiled the wisdom of world-renowned experts to produce this exquisite book; it is must reading for scientists, philosophers, engineers, architects and designers, and-most especially-businesspeople. Anyone looking for the key to a new type of prosperity that respects the earth should start here." -Ray C. Anderson, founder and Chair, Interface, Inc. The groundbreaking guide to 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 experience of natural systems and processes in our buildings and constructed landscapes is critical to human health, performance, and well-being. Biophilic design 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 should emerge as the norm rather than the exception. Written for architects, landscape architects, planners,developers, environmental designers, as well as building owners, 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 timely essays by world-renowned scientists, designers, and practitioners, including Edward O. Wilson, Howard Frumkin, David Orr, Grant Hildebrand, Stephen Kieran, Tim Beatley, Jonathan Rose, Janine Benyus, Roger Ulrich, Bert Gregory, Robert Berkebile, William Browning, and Vivian Loftness, among others, address: * The basic 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 biophilic design on human health, childhood development, healthcare, and more. * The practice of biophilic design-how to implement biophilic design strategies to create 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 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 experience and aspiration? Most of all, how can we achieve sustained and reciprocal benefits between the two? This prescient, groundbreaking book provides the answers.

2021-12-03 Özdamar, Esen Gökçe In today's changing and transforming socio-economic, political, cultural, and technological paradigms, we encounter many methodologies, approaches, proposals, and practices in reconsidering the disappearing or emerging relations in the human/nonhuman-environment-nature interaction. These approaches, proposals, and practices range from new methods of urban gardening to biophilic design and augmented/immersive environments. However, these human-centric approaches, which only aim to meet their needs or emerge as technology-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 approaches or methodologies draw a holistic framework for environmental health, sustainability, wellness, and co-existence between environments for all living beings? Emerging Approaches in Design and New Connections With Nature covers a variety of topics related to the intersection between nature, environment, and 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 biophilic design and sustainability, soundscapes and landscapes, and urban environments and design, it is ideal for architects, designers, urban planners, landscape designers, policymakers, engineers, interior designers, practitioners, students, academicians, and researchers.

2011 Timothy Beatley 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 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 natural world

Downloaded from event.zain.com on by guest

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

2011-09-26 Stephen R. Kellert "When nature inspires our architecture-not just how it looks buthow buildings and communities actually function-we will have madegreat strides as a society. Biophilic Design provides us withtremendous insight into the 'why,' then builds us a road map forwhat is sure to be the next great design journey of ourtimes." -Rick Fedrizzi, President, CEO and Founding Chairman, U.S. GreenBuilding Council "Having seen firsthand in my company the power of biomimicry tostimulate a wellspring of profitable innovation, I can sayunequivocably that biophilic design is the real deal. Kellert,Heerwagen, and Mador have compiled the wisdom of world-renownedexperts to produce this exquisite book; it is must reading forscientists, philosophers, engineers, architects and designers,and-most especially-businesspeople. Anyone looking for the key to anew type of prosperity that respects the earth should starthere." -Ray C. Anderson, founder and Chair, Interface, Inc. The groundbreaking guide to the emerging practice of biophilicdesign This book offers a paradigm shift in how we design and build ourbuildings and our communities, one that recognizes that thepositive experience of natural systems and processes in ourbuildings and constructed landscapes is critical to human health,performance, and well-being. Biophilic design is about humanity'splace in nature and the natural world's place in human society,where mutuality, respect, and enriching relationships can andshould exist at all levels and should emerge as the norm ratherthan the exception. Written for architects, landscape architects, planners,developers,environmental designers, as well as building owners, BiophilicDesign: The Theory, Science, and Practice of Bringing Buildings toLife is a guide to the theory, science, and practice of biophilicdesign. Twenty-three original and timely essays by world-renownedscientists, designers, and practitioners, including Edward O.Wilson, Howard Frumkin, David Orr, Grant Hildebrand, StephenKieran, Tim Beatley, Jonathan Rose, Janine Benyus, Roger Ulrich,Bert Gregory, Robert Berkebile, William Browning, and VivianLoftness, among others, address: * The basic concepts of biophilia, its expression in the builtenvironment, and how biophilic design connects to human biology,evolution, and development. * The science and benefits of biophilic design on human health,childhood development, healthcare, and more. * The practice of biophilic design-how to implement biophilic designstrategies to create buildings that connect people with nature andprovide comfortable and productive places for people, in which theycan live, work, and study. Biophilic design at any scale-from buildings to cities-begins witha few simple questions: How does the built environment affect thenatural environment? How will nature affect human experience andaspiration? Most of all, how can we achieve sustained andreciprocal benefits between the two? This prescient, groundbreaking book provides the answers.

2016-11-01 Veronika Kapsali The first resource in the emerging field of biomimicry targeted directly at design professionals and students The natural world contains infinite examples of how to achieve complex behaviors and applications by using simple materials in a clever way. As we begin to exhaust the natural resources we rely on to create our products and environments, designers are increasingly turning to nature—where organisms make use of limited raw materials to survive—for inspiration about how to invent fascinating solutions to everyday design problems. The importance of biomimicry—manufacturing materials that imitate life’s natural processes—has been known for years, and designers have often looked to nature for formal solutions. In the popular imagination, the best-known example is the microscopic “hook” on burrs that inspired the development of Velcro, but there are many more applications, from kingfisher beaks inspiring the shape of bullet trains to shark skin being used as a model for advanced swimsuits. Author Veronika Kapsali, trained biologist and designer, presents insightful examples, showing each natural phenomenon alongside its man-made application, with an accessible explanation of the biology and the story of the design. While most are concrete examples that have already been developed, others point the way to what might be possible for an enterprising designer.

2020-10-09 William D. Browning 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 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 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 solutions that can be directly-applied in day-to-day practice, this is a must-have for designers interested in applying biophilic principles.

2018-01-01 Stephen R. Kellert A gorgeously illustrated, accessible book that provides a holistic summary of the key elements for good biophilic design

2013-04-12 David Parker As the ever-changing skylines of cities all over the world show, tall buildings are an increasingly important solution to accommodating growth more sustainably in today’s urban areas. Whether it is residential, a workplace or mixed use, the tower is both a statement of intent and the defining image for the new global city. The Tall Buildings Reference Book addresses all the issues of building tall, from the procurement stage through the design and construction process to new technologies and the building’s contribution to the urban habitat. A case study section highlights the latest, the most innovative, the greenest and the most inspirational tall buildings being constructed today. A team of over fifty experts in all aspects of building tall have contributed to the making of the Tall Buildings Reference Book, creating an unparalleled source of information and inspiration for architects, engineers and developers.

1996 Stephen R. Kellert The Value of Life is an exploration of the actual and perceived importance of biological diversity for human beings and society. Stephen R. Kellert identifies ten basic values, which he describes as biologically based, inherent human tendencies that are greatly influenced and moderated by culture, learning, and experience. Drawing on 20 years of original research, he considers: the universal basis for how humans value nature differences in those values by gender, age, ethnicity, occupation, and geographic location how environment-related activities affect values variation in values relating to different species how vlaues vary across cultures policy and management implications Throughout the book, Kellert argues that the preservation of biodiversity is fundamentally linked to human well-being in the largest sense as he illustrates the importance of biological diversity to the human sociocultural and psychological condition.

2010-09-09 Margaret Portillo Evidence-based approach to color planning lets you discover theimpact of color on people and space. You'll learn to systematically develop innovative, holisticcolor solutions in interior design with this book's evidence-basedapproach to color planning. The author sets forth a color planningframework that integrates multiple criteria, enabling you to fullyconsider the complex role that color plays in interior design. Color Planning for Interiors is based on the findingsfrom a national study that the author conducted, which identifiedfive categories of color criteria: Color as Composition Color Preferences Color as Communication Color Pragmatics Color for Engagement The author interviewed noted designers and colorists about theprojects that best represented their approach to color. As aresult, you'll discover

 Downloaded from event.zain.com on by guest

how leaders in the field examine color fromcompositional, symbolic, behavioral, preferential, and pragmaticperspectives in order to arrive at a carefully considered solution.Moreover, you'll see how designers and architects apply thisknowledge to a broad range of interior spaces, includingworkplaces, restaurants, retail settings, healthcare facilities,and private residences. Complementing theory and research, real-life examples arepresented from interior design projects that consider color inrelation to light, materiality, and interior architecture. Inaddition, full-color diagrams, photographs, and design renderingsillustrate concepts throughout the book to help you understand howto select and work with color. From the fundamental principles of color theory to innovativeapplications, all aspects of designing interiors with color areexamined, making this book ideal for all professionals and studentsin interior design who want to develop the full potential of theircolor palettes.

2017-12-15 Amanda Sturgeon

2010-12-21 Amjad Almusaed 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 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 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 of human comfort in bioclimatic architecture.

2017 Donald H. Ruggles "For centuries, men and women have sought to express beauty in architecture and art. But, it is only recently that neuroscience has helped determine how and why beauty plays such an important role in our lives. Founded on a series of lectures architect Donald H. Ruggles has given over the past ten years, Beauty, Neuroscience and Architecture: Timeless Patterns and Their Impact on Our Well-Being postulates that beauty can and does make a vital difference in our lives, including improving many aspects of our health. In this volume, Ruggles suggests that a new, urgent effort is needed to refocus the direction of architecture and art to include the quality of beauty as a fundamental, overarching theme in two of humanity's most important fields of endeavor--the built and artistic environments."--Provided by the publisher.

2021-06-16 Rianne Appel-Meulenbroek Although workplace design and management are gaining more and more attention from modern organizations, workplace research is still very fragmented and spread across multiple disciplines in academia. There are several books on the market related to workplaces, facility management (FM), and corporate real estate management (CREM) disciplines, but few open up a theoretical and practical discussion across multiple theories from different fields of studies. Therefore, workplace researchers are not aware of all the angles from which workplace management and effects of workplace design on employees has been or could be studied. A lot of knowledge is lost between disciplines, and sadly, many insights do not reach workplace managers in practice. Therefore, this new book series is started by associate professor Rianne Appel-Meulenbroek (Eindhoven University of Technology, the Netherlands) and postdoc researcher Vitalija Danivska (Aalto University, Finland) as editors, published by Routledge. It is titled ‘Transdisciplinary Workplace Research and Management’ because it bundles important research insights from different disciplinary fields and shows its relevance for both academic workplace research and workplace management in practice. The books will address the complexity of the transdisciplinary angle necessary to solve ongoing workplace-related issues in practice, such as knowledge worker productivity, office use, and more strategic workplace management. In addition, the editors work towards further collaboration and integration of the necessary disciplines for further development of the workplace field in research and in practice. This book series is relevant for workplace experts both in academia and industry. This first book in the series focuses on the employee as a user of the work environment. The 21 theories discussed and applied to workplace design in this book address people’s ability to do their job and thrive in relation to the office workplace. Some focus more on explaining why people behave the way they do (the psychosocial environment), while others take the physical and/or digital workplace quality as a starting point to explain employee outcomes such as health, satisfaction, and performance. They all explain different aspects for achieving employee-workplace alignment (EWA) and thereby ensuring employee thriving. The final chapter describes a first step towards integrating these theories into an overall interdisciplinary framework for eventually developing a grand EWA theory. The Open Access version of this book, available at http://www.taylorfrancis.com/books/e/9781003128830, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license.

2007-06-29 Grant W. Reid One of the most difficult tasks for a designer is to translate concepts into specific and detailed organizations of space. From Concept to Form in Landscape Design, Second Edition provides vital, functional techniques that make the transformation easier and more effective. This perceptive resource examines both traditional and nontraditional methods of landscape design, providing the conceptual and philosophical foundations for ideas and their visual expression. The revised and expanded Second Edition includes: * A new chapter dealing with the creative thought process for generating ideas * Precise case studies showing sequential form evolution * Hundreds of detailed photographs to assist in visualizing various techniques * Inspiring images from nature for naturalistic form development * Atypical design examples as impetus for innovation * Accompanying web site with projects for classroom students and self-learners alike From Concept to Form in Landscape Design, Second Edition presents the landscape transformation process in a highly visual manner, creating both a vivid learning experience for students and a useful toolbox for working designers. Replete with compelling, valuable, and accessible insights for designing outdoor spaces, Reid's book is an ideal blend of inspiration and application.

2003-10 Stephen R. Kellert Kinship to Mastery is a fascinating and accessible exploration of the notion of biophilia -- the idea that humans, having evolved with the rest of creation, possess a biologically based attraction to nature and exhibit an innate affinity for life and lifelike processes. Stephen R. Kellert sets forth the idea that people exhibit different expressions of biophilia in different contexts, and demonstrates how our quality of life in the largest sense is dependent upon the richness of our connections with nature. While the natural world provides us with material necessities -- food, clothing, medicine, clean air, pure water -- it just as importantly plays a key role in other aspects of our lives, including intellectual capacity, emotional bonding, aesthetic attraction, creativity, imagination, and even the recognition of a just and purposeful existence. As Kellert explains, each expression of biophilia shows how our physical, material, intellectual, emotional, and spiritual well-being is to a great extent dependent on our relationships with the natural world that surrounds us. Kinship to Mastery is a thought-provoking examination of a concept that, while not widely known, has a significant and direct effect on the lives of people everywhere. Because the full expression of biophilia is integral to our overall health, our ongoing destruction of the environment could have far more serious consequences than many people think. In a readable and compelling style, Kellert describes and explains the concept of biophilia, and demonstrates to a general audience the wide-ranging implications of environmental degradation. Kinship to Mastery continues the exploration of biophilia begun with Edward O. Wilson's landmark book Biophilia (Harvard University Press, 1984) and followed by The Biophilia Hypothesis (Island Press, 1993), co-edited by Wilson and Kellert, which brought together some of the most creative scientists of our time to explore Wilson's theory in depth.

2017-05-30 Michael Mehaffy and Nikos A. Salingaros In this brief, accessible volume, the authors — an urban philosopher and a mathematician-physicist — explain the surprising new findings from the sciences that are beginning to transform environmental design in the modern era. Authors Michael Mehaffy and Nikos Salingaros explore fractals, networks, self-organization, dynamical systems and other revolutionary ideas, describing them to non-science readers in a direct and engaging way. The book also examines fascinating new topics of design, including Agile, Wiki, Design Patterns and other “open-source” approaches from the software world. The authors conclude that a profound transformation is under way in modern design — and today’s students and practitioners will need to be aware of its implications for our future. “Lucidly describes

 Downloaded from event.zain.com on by guest

what's coming in the world of design — and what needs to come." — Ward Cunningham, Inventor of wiki, and pioneer of Pattern Languages of Programming, Agile, and Scrum "Essential reading for all urban designers." — Jeff Speck, Author of Walkable City "Brilliant." — Charles Montgomery, Author of Happy City "Inspired, compelling and fascinating… Recognizes that a true architecture can be dug from the facts, insights, and theories, that occur with a broadening of science to include the human being." — Christopher Alexander, Author of A Pattern Language and Notes on the Synthesis of Form Some comments on the individual chapters: "Packed with detail and beautiful in presentation." — Gil Friend "Human society must find a path of retreat. Salingaros and Mehaffy point the way." — David Brussat, Providence Journal "Michael Mehaffy and Nikos Salingaros have written some brilliant articles on how we can co-create cities which are truly resilient, rather than being 'engineered resilient'." — Smallworld Urbanism "For me, this essay was like a flash of insight, and I suddenly saw the world in a new light." — Oeyvind Holmstad, Permaliv "We've just come across a very thoughtful article by Michael Mehaffy and Nikos Salingaros… [who] draw a number of lessons from biological systems and use them to draw conclusions about how resilient human systems must be designed." — Resilient Design Institute "Salingaros and Mehaffy take us from the configuration of city spaces to the order of cells in living beings." — Jaap Dawson, Delft Institute of Technology "If you wanted to know where the cutting edge was in urban design, it is here." — Patrick J. Kennedy, CarFreeInBigD "This is the single most intelligent and illuminating article I've seen on Archdaily in 3 years." — Nìming Pínglùn Zhě, China Michael Mehaffy is an urbanist and design theorist, and a periodic visiting professor or adjunct in five graduate universities in four countries and three disciplines (architecture, urban planning and philosophy) including the University of Oregon (US) and the University of Strathclyde (UK). He has been a close associate of the architect and software pioneer Christopher Alexander, and a Research Associate with the Center for Environmental Structure, Alexander's research center founded in 1967. He is currently executive director of Portland, Oregon based Sustasis Foundation, and editor of Sustasis Press. Nikos A. Salingaros is a mathematician and polymath known for his work on urban theory, architectural theory, complexity theory, and design philosophy. He has been a close collaborator of the architect and computer software pioneer Christopher Alexander. Salingaros published substantive research on Algebras, Mathematical Physics, Electromagnetic Fields, and Thermonuclear Fusion before turning his attention to Architecture and Urbanism. He is Professor of Mathematics at the University of Texas at San Antonio and has been on the Architecture faculties of universities in Italy, Mexico, and The Netherlands.

2021-08-19 Veronika Kapsali Biomimetics - imitating life's natural processes - is one of the hottest areas of design research and inspiration. The natural world contains infinite examples of how to achieve complex behaviours and applications by using simple materials in a clever way, as all organisms make use of limited raw materials to survive. In the popular imagination, the best-known example is the microscopic 'hook' on burrs that led to the development of Velcro, but there are many more applications, from kingfisher beaks inspiring the shape of bullet trains to shark skin being used as a model for advanced swimsuits. This book presents many examples, showing each natural phenomenon alongside its application, with an accessible explanation of the biology and the story of the design. While most are concrete examples that have already been developed, others point the way to what might be possible for an enterprising designer, providing a starting point for creativity. This timely overview is the perfect introduction for designers of all disciplines, and a reminder that inspiration may be just down the garden path. With 439 illustrations

2020-09-15 Phillip B. Roös In this book, the author tests a regenerative-adaptive pattern language theory towards investigating the possibilities of a holistic, integrated design and planning method for sustainable development that incorporates the principles of regenerative design, as well as an adaptive pattern language that re-establishes our wholeness with nature, and considers the vulnerabilities of a changing landscape. The book examines an integral approach to contemporary theories of planning and design that explores the human-nature relationship patterns in social and spatial interconnections, between people and their natural environments. The interconnectedness of human and natural systems is used to scaffold possible solutions to address key environmental and sustainability issues that specifically address the need for patterns of behaviour that acknowledge the duality of 'man and nature'. In 12 chapters, the book presents a holistic, regenerative-adaptive pattern language that encapsulates how communities can better appreciate landscape change under future climate effects, and acknowledges the importance to adapt to patterns of change of place and the environment and therefore inform the communities' responses for sustainable development. The application of the regenerative-adaptive pattern language was tested along the Great Ocean Road region of the Victorian coast in Australia. The concluding chapters argues that for human settlements and cities to be resilient and sustainable, we must understand the interconnected patterns of human-built environments and natural systems, and how we function in a social-spatial dimension with these. The book is intended for practitioners and academic scholars with interest in sustainable development, regenerative design, pattern languages, biophilia, settlement planning, and climate change adaptation.

2012-09-26 Timothy Beatley In this immensely practical book, Timothy Beatley sets out to answer a simple question: what can Americans learn from Australians about "greening" city life? Green Urbanism Down Under reports on the current state of "sustainability practice" in Australia and the many lessons that U.S. residents can learn from the best Australian programs and initiatives. Australia is similar to the United States in many ways, especially in its "energy footprint." For example, Australia's per capita greenhouse gas emissions are second only to those of the United States. A similar percentage of its residents live in cities (85 percent in Australia vs. 80 percent in the United States). And it suffers from parallel problems of air and water pollution, a national dependence on automobiles, and high fossil fuel consumption. Still, after traveling throughout Australia, Beatley finds that there are myriad creative responses to these problems—and that they offer instructive examples for the United States. Green Urbanism Down Under is a very readable collection of solutions. Although many of these innovative solutions are little-known outside Australia, they all present practical possibilities for U.S. cities. Beatley describes "green transport" projects, "city farms," renewable energy plans, green living programs, and much more. He considers a host of public policy initiatives and scrutinizes regional and state planning efforts for answers. In closing, he shares his impressions about how Australian results might be applied to U.S. problems. This is a unique book: hopeful, constructive, and filled with ideas that have been proven to work. It is a "must read" for anyone who cares about the future of American cities.

2020-03-19 Sally Coulthard In this beautifully illustrated guide, best-selling author Sally Coulthard demonstrates how to transform your living and working spaces into places that put you in touch with nature. Eight inspiring chapters cover key elements for the 'biophilic home', including materials, views, colour and natural light. Each section explores the links between home, health and happiness, drawing on environmental research and neuroscience while making practical suggestions for bringing the natural world into your home. Bring nature indoors with flowers and plants, rediscover the innate pleasure of real fires and fresh air, and learn how to improve your mood and sleep patterns with dynamic light. Create a space filled with natural elements, patterns, nature's colours, fabrics and textures that lift your mood; find out why natural sounds and water are soothing; and learn how to make small changes that will inspire, invigorate and enrich your relationship with the natural world. 'As best-selling author and designer, Sally Coulthard, reveals in this guide, creating a 'biophilic home' can have a huge impact on your wellbeing; improving your mood and encouraging healthier sleep patterns...Be it plants, materials, colour or light, it's enlightening to see how small changes can make a big difference, while deepening your respect and correlation to the natural world.' FORBES Magazine 'How to embrace the natural world by transforming your interior spaces with specific materials, colours, views and sounds.' Gardens Illustrated 'Humans are mammals, programmed over millennia to respond to the natural world. We may be able to live and work in man-made environments most of the time. But according to a new movement of "biophilic" designers and enthusiasts, we are not thriving...writer Sally Coulthard likens it to the practice of keeping animals in captivity, in surroundings ill-suited to their needs. "We live in a world that is fundamentally mismatched to our evolutionary

Downloaded from event.zain.com on by guest

adaptation - we don't see, hear and feel the things that we are programmed to respond to," she writes.' Financial Times

2012-09-26 Stephen R. Kellert 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," 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 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 more unexpected methodologies-the 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-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 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.

2013-04-16 Laurie Ann Mazur Beyond the Numbers presents a thought-provoking series of essays by leading authorities on issues of population and consumption. The essays both define the poles of debate and explore common ground beyond the polarized rhetoric. Specific chapters consider each of the broad topics addressed at the International Conference on Population and Development held in September 1994 in Cairo, Egypt. The essays are supplemented by sidebars and short articles featuring more-impassioned voices that highlight issues of interest not fully explored in the overviews. As well as providing a sense of the difficulties involved in dealing with these issues, the essays make clear that constructive action is possible. Topics covered include: the interrelationships between population, economic growth, consumption, and development the history of population and family planning efforts gender equality and the empowerment of women reproductive rights, reproductive health, family planning, health and mortality

2009-06-30 Edward O. WILSON Biophilia is Edward O. Wilson's most personal book, an evocation of his own response to nature and an eloquent statement of the conservation ethic. Wilson argues that our natural affinity for life—biophilia—is the very essence of our humanity and binds us to all other living species.

2012-11-13 Stephen R. Kellert Human health and well-being are inextricably linked to nature; our connection to the natural world is part of our biological inheritance. In this engaging book, a pioneer in the field of biophilia—the study of human beings' inherent affinity for nature—sets forth the first full account of nature's powerful influence on the quality of our lives. Stephen Kellert asserts that our capacities to think, feel, communicate, create, and find meaning in life all depend upon our relationship to nature. And yet our increasing disconnection and alienation from the natural world reflect how seriously we have undervalued its important role in our lives. Weaving scientific findings together with personal experiences and perspectives, Kellert explores specific human tendencies—including affection, aversion, intellect, control, aesthetics, exploitation, spirituality, and communication—to discover how they are influenced by our relationship with nature. He observes that a beneficial relationship with the natural world is an instinctual inclination, but must be earned. He discusses how we can restore the balance in our relationship by means of changes in childhood development, education, conservation, building design, ethics, and everyday life. Kellert's moving book provides exactly what is needed now: a fresh understanding of how much our essential humanity relies on being a part of the natural world.

2016 Timothy Beatley "This publication offers practical advice and inspiration for ensuring that nature in the city is more than infrastructure--that it also promotes well-being and creates an emotional connection to the earth among urban residents. Divided into six parts, the Handbook begins by introducing key ideas, literature, and theory about biophilic urbanism. Chapters highlight urban biophilic innovations in more than a dozen global cities. The final part concludes with lessons on how to advance an agenda for urban biophilia and an extensive list of resources."--Publisher.

2013-07-23 Robin Guenther "With this book, Robin Guenther and Gail Vittori show us howcritical our green building mission is to the future of humanhealth and secures a lasting legacy that will continue to challengeand focus the green building movement, the healthcare industry, andthe world for years to come." —From the Foreword by Rick Fedrizzi, President, CEO andFounding Chair, U.S. Green Building Council INDISPENSABLE REFERENCE FOR THE FUTURE OF SUSTAINABLEHEALTHCARE DESIGN Written by a leading healthcare architect named one of FastCompany's 100 most creative people in business and asustainability expert recognized by Time magazine as a GreenInnovator, Sustainable Healthcare Architecture, SecondEdition is fully updated to incorporate the latest sustainabledesign approaches and information as applied to hospitals and otherhealthcare facilities. It is the essential guide for architects,interior designers, engineers, healthcare professionals, andadministrators who want to create healthy environments forhealing. Special features of this edition include: 55 new project case studies, including comparisons of keysustainability indicators for general and specialty hospitals,sub-acute and ambulatory care facilities, and mixed-usebuildings New and updated guest contributor essays spanning a range ofhealth-focused sustainable design topics Evolving research on the value proposition for sustainablehealthcare buildings Profiles of five leading healthcare systems and their uniquesustainability journeys, including the UK National Health Service,Kaiser Permanente, Partners HealthCare, Providence Health &Services, and Gundersen Health System Focus on the intersection of healthcare, resilience, and ahealth promotion imperative in the face of extreme weatherevents Comparison of healthcare facility-focused green building ratingsystems from around the world Sustainable Healthcare Architecture, Second Edition is anindispensable resource for anyone interested in the design,construction, and operation of state-of-the-art sustainablehealthcare facilities.

2015-09-23 Sally Augustin Using psychology to develop spaces that enrich human experience Place design matters. Everyone perceives the world around them in a slightly different way, but there are fundamental laws that describe how people experience their physical environments. Place science principles can be applied in homes, schools, stores, restaurants, workplaces, healthcare facilities, and the other spaces people inhabit. This guide to person-centered place design shows architects, landscape architects, interior designers, and other interested individuals how to develop spaces that enrich human experience using concepts derived from rigorous qualitative and quantitative research. In Place Advantage: Applied Psychology for Interior Architecture, applied environmental psychologist Sally Augustin offers design practitioners accessible environmental psychological insights into how elements of the physical environment influence human attitudes and behaviors. She introduces the general principles of place science and shows how factors such as colors, scents, textures, and the spatial composition of a room, as well as personality and cultural identity, impact the experience of a place. These principles are applied to multiple building types, including residences, workplaces, healthcare facilities, schools, and retail spaces. Building a bridge between research and design practice, Place Advantage gives people designing and using spaces the evidence-based information and psychological insight to create environments that encourage people to work effectively, learn better, get healthy, and enjoy life.

 Downloaded from event.zain.com on by guest