

New Bamboo Architecture And Design

The founder of Architizer.com and practicing architect draws on his unique position at the crossroads of architecture and social media to highlight 100 important buildings that embody the future of architecture. We're asking more of architecture than ever before; the response will define our future. A pavilion made from paper. A building that eats smog. An inflatable concert hall. A research lab that can walk through snow. We're entering a new age in architecture—one where we expect our buildings to deliver far more than just shelter. We want buildings that inspire us while helping the environment; buildings that delight our senses while serving the needs of a community; buildings made possible both by new technology and repurposed materials. Like an architectural cabinet of wonders, this book collects the most innovative buildings of today and tomorrow. The buildings hail from all seven continents (to say nothing of other planets), offering a truly global perspective on what lies ahead. Each page captures the soaring confidence, the thoughtful intelligence, the space-age wonder, and at times the sheer whimsy of the world's most inspired buildings—and the questions they provoke: Can a building breathe? Can a skyscraper be built in a day? Can we 3D-print a house? Can we live on the moon? Filled with gorgeous imagery and witty insight, this book is an essential and delightful guide to the future being built around us—a future that matters more, and to more of us, than ever.

"A fully comprehensive guide to building in the tropical world, 'Barefoot Architect' covers everything from how to build in various climates, to the step-by-step practicalities of building homes that suit the local environment." --Publisher.

File Type PDF New Bamboo Architecture And Design

An important and fascinating collection of original projects by unique thinkers in the world of architecture and spatial design. Architectural practice today goes far beyond the design and construction of buildings -- the most exciting, forward-thinking architecture is also found in digital landscapes, art, apps, films, installations, and virtual reality. This remarkable book features projects -- surprising, beautiful, outrageous, and sometimes even frightening -- that break rules and shatter boundaries. In this timely book, the work of award-winning architects, designers, artists, photographers, writers, filmmakers, and researchers -- all of whom synthesize and reflect our spatial environments -- comes together for the first time.

"If good design tells the truth," writes Robert Grudin in this path-breaking book on esthetics and authority, "poor design tells a lie, a lie usually related . . . to the getting or abusing of power." From the ornate cathedrals of Renaissance Europe to the much-maligned Ford Edsel of the late 1950s, all products of human design communicate much more than their mere intended functions. Design holds both psychological and moral power over us, and these forces may be manipulated, however subtly, to surprising effect. In an argument that touches upon subjects as seemingly unrelated as the Japanese tea ceremony, Italian mannerist painting, and Thomas Jefferson's Monticello plantation, Grudin turns his attention to the role of design in our daily lives, focusing especially on how political and economic powers impress themselves on us through the built environment. Although architects and designers will find valuable insights here, Grudin's intended audience is not exclusively the trained expert but all those who use designs and live within them every day.

Given its unrivalled position in terms of diversity, distribution and uses, coupled with the vital role it plays in the rural

File Type PDF New Bamboo Architecture And Design

economies of several countries around the world, bamboo has emerged in recent years as potentially the most important non-wood forest resource to replace wood in construction and other uses. Concomitantly, the interest being shown in this invaluable natural resource since the 1980s has resulted in the accumulation of a considerable body of information through research on various aspects of bamboos, including the anatomy of the bamboo culm. There is, however, no comprehensive publication available on the anatomy of bamboo culm, with the available literature being fragmented, scattered and inadequate. This landmark monograph by renowned wood biologist, forestry expert and bamboo specialist, Professor Walter Liese, whose innovative work on the study of anatomical structure using advanced microscopy and other techniques has won him wide international acclaim, fulfils the need for a comprehensive overview of current knowledge on this subject. It is the first attempt to synthesize information from studies on this subject, many of which have been contributed by Professor Liese, spread over the past four decades. By identifying gaps in the current anatomical knowledge base of bamboo culm, it is expected to stimulate further research and to act as a prime mover for knowledge generation in the key areas of bamboo anatomy, growth and taxonomy.

Since 1993, Peter Steinhauer has documented the many facets of Asian culture, with a keen eye for architecture, urban landscape and man-made structures and environments. On his first visit to Hong Kong in 1994, arriving at the old Kai Tak International Airport, Steinhauer noticed a very large structure encaged in bamboo and swathed in yellow material standing out beneath a canopy of clouds, glowing against the monochromatic, urban skyline. Hong Kong is the final stronghold of the bamboo scaffolders who once practiced their trade at construction sites throughout

File Type PDF New Bamboo Architecture And Design

Asia.

Goldberg reveals how to creatively bring bamboo home, teaching readers how to live with it indoors and outdoors--even how to grow their own bamboo. Her book includes bamboo projects, from a simple ladle to a more complex pergola for the garden. 150 color photos. Copyright © Libri GmbH. All rights reserved.

Bamboo materials are well available in the world. Bamboo has much shorter maturity than trees, thus can be harvested with shorter cycles of plantation. Despite the fact that human society has a long history of using bamboo, there is still a lack of modern and industrialized application of bamboo materials in construction. Promoting the application

The industry-standard guide to designing well-performing buildings Architectural Detailing systematically describes the principles by which good architectural details are designed. Principles are explained in brief, and backed by extensive illustrations that show you how to design details that will not leak water or air, will control the flow of heat and water vapor, will adjust to all kinds of movement, and will be easy to construct. This new third edition has been updated to conform to International Building Code 2012, and incorporates current knowledge about new material and construction technology. Sustainable design issues are integrated where relevant, and the discussion includes reviews of recent built works that extract underlying principles that can be the basis for new patterns or the alteration and addition to existing patterns. Regulatory topics are primarily focused on the US, but touch on other jurisdictions and geographic settings to give you a well-rounded perspective of the art and science of architectural detailing. In guiding a design from idea to reality, architects design a set of details that show how a structure will be put together. Good details are correct, complete, and provide accurate information to a wide variety of users. By

File Type PDF New Bamboo Architecture And Design

demonstrating the use of detail patterns, this book teaches you how to design a building that will perform as well as you intend. Integrate appropriate detailing into your designs Learn the latest in materials, assemblies, and construction methods Incorporate sustainable design principles and current building codes Design buildings that perform well, age gracefully, and look great Architects understand that aesthetics are only a small fraction of good design, and that stability and functionality require a deep understanding of how things come together. Architectural Detailing helps you bring it all together with a well fleshed-out design that communicates accurately at all levels of the construction process.

With a focus on sustainable materials and architecture, photographer Isabella Gianneschi brings readers into Bali's most beautiful buildings.

Focusing on designing and building in underserved communities around the globe, 'Small Scale, Big Change', expresses a desire for social change and a belief in the social responsibility of architecture.

This highly illustrated text brings together two areas which have both grown in popularity in recent years: gridshells and bamboo. Bamboo is a fast-growing, naturally available, renewable resource which is quite strong and lends itself to structural applications. In this unique text, David Rockwood demonstrates the viability of bamboo as a building material and considers the advantages – as well as the challenges – of working with bamboo. Its properties, workability, connections, assembly, erection processes, structural behavior, and final use are explored in detail through a series of design-build experiments and case studies from Hawai'i and Vietnam. The only book available on the subject, Bamboo Gridshells provides a comprehensive introduction to this emerging technology which will be of interest to anyone working in the areas of sustainable or environmental design,

File Type PDF New Bamboo Architecture And Design

ecological construction, low technology strategies, or alternative materials.

New Bamboo Architecture and Design Villegas Editores
Although traditionally a building material of the warmer climate zones, bamboo is becoming increasingly popular amongst architects in the northern hemisphere; bamboo has several advantages – it is very stable, of low weight, and highly elastic, in addition to being readily available as well as renewable. The applications of bamboo in architecture have become significantly wider and diversified, so that today, even structures with large spans – such as bridges – are built with this material. The new and revised second edition of this manual provides a practical, systematic overview of the numerous potential applications and processing methods of this renewable material. The comprehensive presentation of groundbreaking bamboo buildings has been updated with more recent projects.

??
??????????????????

In structural terms reciprocal frame structures are 'three dimensional assemblies of mutually supporting beams'. But behind this definition lie some breathtakingly beautiful and complex structures at the heart of buildings both ancient and modern. This new book explores the principles of these apparently simple structures and demonstrates how they can be used in the context of a modern building. Starting with historic designs by de Honnecourt, Da Vinci and Serlio, the book presents the wealth of possible RF morphologies, and investigates the geometrical, structural and practical design issues of reciprocal frames. The case studies look at stunning examples of reciprocal frame architecture that range

File Type PDF New Bamboo Architecture And Design

from low environmental impact buildings and self built examples in the UK and USA, to the fascinating and elegant structures of the Puppet Theatre in Seiwa, Tokyo's Spinning House, Sukiya –Yu house, The Toyoson Stonemason museum and the Life Sciences Laboratory – Torikabuto in Japan. The book is designed to inform and inspire architects and structural engineers alike, and brings to life a structural system whose principles have been used for thousands of years. *

Simple introduction to the design principles of mutually supporting structures * Explores the impact of structural choices on the aesthetic impact of a building * Highly illustrated case studies from across the globe

This revised handbook brings together the practical experiences of engineers in the field and of research programs testing bamboo. The author shows how bamboo can be harvested, seasoned and jointed to form walls, doors and windows, roofs, floors, ceilings, roof trusses and bridges, and how to weave bamboo.

"Bamboo has been used as building material for many centuries in all regions in which it grows, especially in Asia, Africa and South America. Today it is gaining in popularity also among Western architects and engineers due to its reputation of a quickly replenishing and therefore sustainable raw material. In addition, its tensile as well as compressive strength, which can compete with those of steel, stone and concrete, make bamboo a very desirable construction material. The range extends from traditional building styles and their modern interpretation to the combination of bamboo with other materials. Frequently, beyond its use for purely

File Type PDF New Bamboo Architecture And Design

construction purposes it also serves as a primary design element. This volume presents contemporary projects that show the impressive versatility of its usage"--Provided by publisher.

This volume uncovers contemporary architecture and design's resurgent love affair with bamboo. Light, stiff, strong and incredibly fast growing, bamboo is a true super-plant, and in construction it is becoming a super-material. A comprehensive introduction explores all aspects that architects working with bamboo will need to consider. Bamboo has traditionally been used in many cultures around the world, and its influence is spreading. Collected here are some of the most beautiful, creative and cutting edge bamboo projects of recent years, accompanied by photos, plans and inspirations.

Tensile surface structures are the visual expression of an intensive rethinking of the topic of building envelopes by designers. Advances in design methods, materials, construction elements and assembly and erection planning in the field of lightweight construction are enabling ever more exacting applications of tensile structures with envelope and structural functions, especially in roofing over large clear spans without internal support. However, the particular mechanical characteristics of the materials used in the construction of textile structures demand consideration of the question of "buildability". This book provides answers by discussing the fundamental influence of material manufacture and assembly in deciding the most suitable type of building or structure and its detailing in the design process. The fundamentals of material composition,

File Type PDF New Bamboo Architecture And Design

manufacturing process, patterning and the behaviour of flexible structural systems are all explained here, as well as their use as structural and connection elements, and special attention is given to the erection of wide-span lightweight structures. The erection equipment is described, as well as the lifting and tensioning process and the construction methods used to erect the characteristic types of tensile structures, illustrated with a selection of example projects. Forward by Werner Sobek.

Bamboo is a versatile and sustainable building material. It is lightweight, highly elastic and ductile, and in addition possesses qualities especially in demand in an era of limited resources: renewability and abundant availability. This book provides a detailed manual for bamboo constructions and presents a selection of built examples. *Bambusa guadua*, the tropical giant bamboo, is the most versatile, reliable architectural material of its native mountainous regions. Bamboo's delightful exterior and exotic reputation obscures its oaklike strength. 'New Bamboo' is a colour portfolio of contemporary structures and decorative designs demonstrating the appeal of building with natural materials for the modern eye. Properly treated, bamboo is as reliable as prime-grade hardwoods, beautiful in its own right, and suitable for commercial and residential structures in any climate. This is an anthology of bamboo construction by different experts: an agronomist, architects, a designer, and a builder, that showcases projects in Mexico, Brazil, Ecuador, Panama, and Colombia, where this product has been used as a traditional construction material for centuries. Also covered are France and Germany, where architects are discovering the delights of working with bamboo. *Guadua* is beautiful but

File Type PDF New Bamboo Architecture And Design

not so delicate that it cannot be used in commercial structures like the auditorium-size pavilion built for the Hannover Expo 2000. Here are delightful details and rugged outbuildings that show bamboo as a most natural design element.

Since 1997, the installation artist Markus Heinsdorff has confronted the traditional material of bamboo in his buildings. The main focus of this book is the German-Chinese House designed by Heinsdorff for EXPO 2010 in Shanghai. With numerous illustrations and a series of detailed articles, this book documents the planning and realization of the pavilion, and reveals the thinking behind its design. Further contributions deal both with bamboo as a raw material and as a medium for architecture and design. One chapter is devoted to other artistic structures and walk-in installations by Markus Heinsdorff, including Skyplace, an airship built in Bali, a tree house in the canopy of a primeval forest tree, and a self-renewing dome, the latter two both in Chiang Mai, Thailand.

'Booming Bamboo' provides a comprehensive overview of the enormous potential of this sustainable resource. Not only for architecture and design but also for a multitude of other applications. After covering the "bamboo basics" (growth, properties, cultural history, industrialisation), the first part of the book introduces the many benefits of bamboo as a fast-growing, renewable resource. The second part presents the various ways in which bamboo can be transformed into many different exciting materials and fabrics.

Fascinating bamboo buildings and architectural designs from around the world from the International Bamboo Building Design Competition, the 2010 Shanghai World Expo and several other competitions and exhibitions. Architects and designers from 64 countries submitted 250 designs in 12 building categories such as family houses, urban buildings, emergency shelters, commercial and public buildings,

File Type PDF New Bamboo Architecture And Design

pavilions, and even tree houses. The buildings and designs use bamboo and other natural building materials, and range from modest to majestic, commercial to humanitarian, and practical to fanciful. The results are truly exciting and innovative, providing a fresh outlook for the possibilities for using bamboo to build a new green world. At the 2010 Shanghai World Expo, great architects showcased bamboo in eight remarkable pavilions, demonstrating the contribution bamboo can play in a better life.

Key works by today's leading female architects, with reflections on their craft and design ethos Despite the number of women who have shaped the discipline, female architects still frequently struggle to receive the recognition their work deserves. This volume serves as a manifesto for the great achievements of contemporary female architects the world over, paying tribute to their experiences as artists and designers as well as women in a male-dominated field.

Women in Architecture profiles 36 architects working today, detailing their personal creative philosophies through examples of their projects. In addition to its examination of the current state of architecture, this volume also explores works by a number of women who served as pioneering figures of the craft, seeking to expose and eventually dismantle the structural discrimination against women architects both inside and outside of the field. Featured architects include: Mona Bayr, Odile Decq, Elke Delugan-Meissl, Julie Eizenberg, Manuelle Gautrand, Annette Gigon, Silvia Gmür, Cristina Guedes, Melkan Gürsel, Itsuko Hasegawa, Anna Heringer, Fabienne Hoelzel, Helle Juul, Karla Kowalski, Anupama Kundoo, Anne Lacaton, Regine Leibinger, Dorte Mandrup, Rozana Montiel, Kathrin Moore, Farshid Moussavi, Carme Pinós, Nili Portugali, Paula Santos, Kazuyo Sejima, Annabelle Selldorf, Pavitra Sriprakash, Siv Helene Stangeland, Brigitte Sunder-Plassmann, Lene

File Type PDF New Bamboo Architecture And Design

Tranberg, Billie Tsien, Elisa Valero, Natalie de Vries, Andrea Wandel, Helena Weber and Lu Wenyu.

Fast-growing and local to some of the poorest communities in the tropics and subtropics, bamboo holds huge potential for climate change mitigation, innovative construction and job creation, but the material is rarely used for more than simple construction and household use. *Modern Engineered Bamboo Structures* collects the papers presented at the third International Conference on Modern Bamboo Structures (ICBS2018, Beijing, China, 25-27 June 2018). The overarching theme of the book is 'Enhancing Cooperation for Green Development through Bamboo's Contribution to the Sustainable Development Goals'. The contributions focus on how to realize bamboo's huge potential in a number of areas: sustainable commodity production, disaster-resilient construction, poverty alleviation, climate change mitigation and adaptation, land restoration and biodiversity protection. *Modern Engineered Bamboo Structures* recognizes bamboo's various benefits, and aims at ministers, policymakers and representatives from research institutes, development organizations, NGOs or UN bodies and the private sector.

Contemporary Chinese Furniture Design is the first definitive book on contemporary Chinese furniture, introducing the work of leading designers and design studios, including Chen Darui, Jerry Chen, Frank Chou, Hou Zheng-Guang, Hong Wei, Ma Yansong, Neri & Hu, Shao Fan, Shang Xia, Song Tao, Studio MVW, Xiao Tianyu and Zhang Zhoujie. It explains how the 'New Wave' of Chinese furniture designers are looking back to their cultural roots and revitalizing traditional forms, materials and techniques in order to produce interesting and exciting contemporary furniture that is 100% Chinese. The first definitive book on contemporary Chinese furniture design, which includes not only an in-depth analysis

File Type PDF New Bamboo Architecture And Design

of historic Chinese furniture design in its introduction, but importantly relates the past to what is happening now in Chinese furniture design. Includes individual entries, many based on in-depth interviews with leading figures within the Chinese furniture design, that provide insightful personal perspectives on the rapid evolution of Chinese furniture design over the last decade or so. The publication of this book marks the twenty-fifth anniversary of the Furniture China expo. "Featuring over 400 exemplary works representative of the new wave of creativity in modern Chinese furniture design. Channeling the spirit of the Song and Ming dynasties, as well as other Chinese styles and themes, the designs express a 21st Century Sinocentric national romanticism." – China.org.cn An excerpt from the book: "Since the mid-1990s a definable movement in contemporary Chinese furniture design has been growing and evolving, and has now reached such creative critical mass that it is possible to speak of it enjoying a 'moment'. The publication of this book is intended to share this remarkable design story with the wider world, while introducing the work and ideas of its leading protagonists. The exceptional quality and innovation of the furniture associated with what has already become known as 'New Chinese Design' will undoubtedly set in motion a significant reappraisal of contemporary Chinese design in general. But what is more, this extraordinary development may initiate the tipping of the balance of international design influence from West to East, such is its astonishing creative vitality and snowballing momentum."

A radically new understanding of and practical approach to climate change by noted environmentalist Paul Hawken, creator of the New York Times bestseller Drawdown Regeneration

File Type PDF New Bamboo Architecture And Design

offers a visionary new approach to climate change, one that weaves justice, climate, biodiversity, equity, and human dignity into a seamless tapestry of action, policy, and transformation that can end the climate crisis in one generation. It is the first book to describe and define the burgeoning regeneration movement spreading rapidly throughout the world. Regeneration describes how an inclusive movement can engage the majority of humanity to save the world from the threat of global warming, with climate solutions that directly serve our children, the poor, and the excluded. This means we must address current human needs, not future existential threats, real as they are, with initiatives that include but go well beyond solar, electric vehicles, and tree planting to include such solutions as the fifteen-minute city, bioregions, azolla fern, food localization, fire ecology, decommodification, forests as farms, and the number one solution for the world: electrifying everything. Paul Hawken and the nonprofit Regeneration Organization are launching a series of initiatives to accompany the book, including a streaming video series, curriculum, podcasts, teaching videos, and climate action software. Regeneration is the inspiring and necessary guide to inform the rapidly spreading climate movement. Bamboo has emerged as the building material of choice for the twenty-first century. Designers in every field from architecture to aeronautics are

File Type PDF New Bamboo Architecture And Design

discovering ever more innovative uses for the miracle plant. Five times stronger than concrete and flexible enough to be woven like silk, bamboo has for millennia been an indispensable necessity of life for cultures around the world. Botanically classified as a grass, it is one of the fastest growing plants on earth. Its abundance and extreme durability have made it a natural choice as the raw material for fences and partitions. Indeed, in Japan, bamboo fence building has become an art form, and endless varieties of bamboo fences exist, from simple picket designs to elaborate fences woven with bamboo branches. Bamboo Fences provides a detailed look at the complex art of bamboo fence design and presents these unique structures in more than 250 photographs and line drawings. Author Isao Yoshikawa gives a brief overview of the history of bamboo fence building in Japan and classifies the different designs by type. A glossary provides an explanation of Japanese fence names and structural terms. Yoshikawa explains how the wide range of fence designs had its origin partly in the full development of the tea ceremony during the sixteenth century, when elegant bamboo fences became important elements of tea ceremony gardens. Bamboo partitions were used in Zen temples, and from there spread to ordinary homes. Many fence styles are named for the temple in which the first of their kind was built. From the widely used

File Type PDF New Bamboo Architecture And Design

"four-eyed fence" (yotsume-gaki) and the fine "raincoat fence" (mino-gaki) to the expensive "spicebush fence" (kuromoji-gaki), the natural color and texture of these exquisite bamboo fences could complement any landscape. Whether you plan to use bamboo to bring privacy to your yard, Zen to your garden, or are just seeking an environmentally friendly alternative to chain-link or wood; the simple beauty of these Japanese bamboo fences is sure to inspire.

In contemporary American garden design, beauty for beauty's sake is making a comeback. The sixty gardens featured here trace current planting trends across the country, showcasing the best designs of recent years from the verdant Pacific Northwest to the tailored Eastern Seaboard, as well as prairies in Denver and Texas and exquisitely detailed private gardens in the Southwest that create a sense of lushness even while working exclusively within the vocabulary of cactuses and succulents. Plants are used to reinforce meaningful content, ecological strategies, and, most importantly, to create immersive and emotional experiences. As the movements of architectural, naturalistic, meadow, matrix, graphic, and ecological planting design have been adopted in such notable incarnations as the High Line in New York and Citygarden in St. Louis, they have rekindled interest in using plants that suit a given site's ecology—and in letting plants, rather

File Type PDF New Bamboo Architecture And Design

than hardscape elements, lead design. Residential as well as public gardens are featured, and all are united by an immediately perceptible, intelligent selection of plants that create an enthralling, memorable, and fitting sense of place: this is what makes a garden truly authentic. Over 250 full-color images reveal gardens created by the top American firms working today, including Andrea Cochran, Jack deLashmet, Doyle Herman, Elysian Landscapes, Gustafson Guthrie Nichol, Hoerr Schaudt, Ron Lutsko, Steve Martino, Nelson Byrd Woltz, Nievera Williams, Oehme van Sweden, OLIN, Raymond Jungles, Christine Ten Eyck, Bernard Trainor, and Michael Vergason, as well as beautiful gems of gardens by lesser known regional firms. Detail as well as overview images of gardens throughout the seasons and abundant plant identifications make this volume a valuable reference for all home gardeners as well as landscape design professionals interested in tracing the themes prevalent in contemporary American gardens.

Presenting some of the craft possibilities afforded by bamboo, the author outlines twenty projects that can be completed with this "green gold," including a plant holder, porch swing, candle holder, picture frame, privacy panel, lampshade, luggage rack, and much more. Original.

How do we design in a climate emergency? A new social and ecological prerogative demands

File Type PDF New Bamboo Architecture And Design

appropriate material choices, a re-invention of construction and evolving building programmes that look at lifecycle, embodied energy and energy use. Highly illustrated with practical information and simple explanations for design ideas, this book is the perfect introduction to sustainable design for architecture students. It presents key concepts in relation to the embodied energy of construction, material properties and environmental performance of buildings in an accessible way. In explaining the principles and technologies by which we heat, cool, moderate and mitigate, it demystifies environmental design as a technical exercise and enables students to create sustainable buildings with impact. Keep this sourcebook with you. Features: Amphibious House (Baca Architects), Ashen Cabin (HANNAH), Bunhill 2 Energy Centre (Ramboll, Cullinan Studio, McGurk Architects and Colloide), Cork House (Matthew Barnett Howland, Oliver Wilton and Dido Milne), Dymaxion House (Richard Buckminster Fuller), Eastgate Centre (Mick Pearce), Neuron Pod (Will Alsop – aLL Design and AKT II), Quik House (Adam Kalkin) and Tension Pavilion (StructureMode and Weber Industries). Covers: Acoustics, bamboo construction, biopolymer, bioremediation, CLT, climatic envelope, computational fluid dynamics, earthen architecture, fabric formwork, hempcrete, insulation, mycelium biofabrication, paper construction, passive solar heating, pneumatic

File Type PDF New Bamboo Architecture And Design

structures, solar geometry, tensegrity structures, thermal mass and more.

Bamboo has gained the name of "plant steel" in the field of construction. Since ancient times, it has been widely used in Asia and Latin America. For many years bamboo had lost its role as a construction material in parts of the world where it grows indigenously due to an increase in the use of more modern material. It was gradually replaced by concrete, steel and wood and became known as a "poor man's wood." Thanks to the research and design carried out by key worldwide architects and engineers in recent decades, this attractive natural material is being reconsidered as a construction and basic design material. This book features international examples of current projects where bamboo has been used as the main material.

[Copyright: 3ec25c7d2cd713d5126a1cbcdc5634c8](#)