

Sustainable Design A Critical Guide David Bergman

As recognized, adventure as competently as experience roughly lesson, amusement, as without difficulty as arrangement can be gotten by just checking out a ebook **Sustainable Design A Critical Guide David Bergman** furthermore it is not directly done, you could acknowledge even more with reference to this life, vis--vis the world.

We give you this proper as without difficulty as simple artifice to acquire those all. We manage to pay for Sustainable Design A Critical Guide David Bergman and numerous book collections from fictions to scientific research in any way. along with them is this Sustainable Design A Critical Guide David Bergman that can be your partner.

Rewire Your Brain - John B. Arden 2010-03-22

How to rewire your brain to improve virtually every aspect of your life—based on the latest research in neuroscience and psychology on neuroplasticity and evidence-based practices Not long ago, it was thought that the brain you were born with was the brain you would die with, and that the brain cells you had at birth were the most you would ever possess. Your brain was thought to be “hardwired” to function in predetermined ways. It turns out that's not true. Your brain is not hardwired, it's "softwired" by experience. This book shows you how you can rewire parts of the brain to feel more positive about your life, remain calm during stressful times, and improve your social relationships.

Written by a leader in the field of Brain-Based Therapy, it teaches you how to activate the parts of your brain that have been underactivated and calm down those areas that have been hyperactivated so that you feel positive about your life and remain calm during stressful times. You will also learn to improve your memory, boost your mood, have better relationships, and get a good night sleep. Reveals how cutting-edge developments in neuroscience, and evidence-based practices can be used to improve your everyday life Other titles by Dr. Arden include: Brain-Based Therapy-Adult, Brain-Based Therapy-Child, Improving Your Memory For Dummies and Heal Your Anxiety Workbook Dr. Arden is a

leader in integrating the new developments in neuroscience with psychotherapy and Director of Training in Mental Health for Kaiser Permanente for the Northern California Region Explaining exciting new developments in neuroscience and their applications to daily living, Rewire Your Brain will guide you through the process of changing your brain so you can change your life and be free of self-imposed limitations. *Guide to the LEED Green Associate Exam* - Michelle Cottrell 2010-08-13 Proven strategies to pass the LEED® Green Associate exam Here is the ideal study guide for understanding and preparing for the LEED® Green Associate exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—*Guide to the LEED® Green Associate Exam* engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process. Serving as a valuable resource for anyone looking for the challenging LEED Green Associate credential, *Guide to the LEED® Green Associate Exam* features:

- A thorough overview to understanding the LEED certification process
- A collection of sample test questions and study tips to reinforce learned material
- An accessible and stimulating approach that fosters quicker retention
- A set of strategies for summarizing critical information and details more

effectively · A wealth of material that includes drawings, charts, and diagrams to help understand concepts visually · A total of 128 sample flashcards that allow you to study on the go! Covering basic knowledge of green design, construction, and operations for professionals who want to demonstrate green building expertise in nontechnical fields of practice, this book is the ultimate companion for achieving successful results on the LEED Green Associate exam.

Pedagogy of the Oppressed - Paulo Freire 1972

Architectural Lighting - Hervé Descottes 2013-07-02

Architectural Lighting, the latest addition to the Architecture Briefs series, provides both a critical approach to and a conceptual framework for understanding the application of lighting in the built environment. The key considerations of lighting design are illuminated through accessible texts and instructional diagrams. Six built projects provide readers with concrete examples of the ways in which these principles are applied. Short essays by architect Steven Holl, artist Sylvain Dubuisson, and landscape architect James Corner explore the role of lighting in defining spatial compositions.

Sustainable Design - Daniel E. Williams 2007-05-01

Meeting the Challenge of Sustainable Design "Daniel Williams's Sustainable Design is . . . a thoroughly practical call for the design professions to take the next steps toward transformation of the human prospect toward a future that is sustainable and sustaining of the best in human life lived in partnership not domination." --From the Foreword by David W. Orr, the Paul Sears Distinguished Professor of Environmental Studies and Politics and Chair of the Environmental Studies Program at Oberlin College "In this pioneering book, Daniel Williams provides the sort of intelligent, thoughtful, experienced insights that--if followed--will ensure that we make the right choices. It should be on the desk of every architect in the world." --Denis Hayes, president and CEO of the Bullitt Foundation and coordinator of the first Earth Day in 1970 Architects identify "sustainability" as the most important change in the future of their profession. Sustainable Design: Ecology, Architecture, and Planning

is a practical, comprehensive guide to design and plan a built environment compatible with the region's economic, social, and ecological patterns. In this book, Daniel Williams challenges professionals to rethink architecture and to see their projects not as objects but as critical, connected pieces of the whole, essential to human health as well as to regional economy and ecology. Comprehensive in scope, Sustainable Design answers key questions such as: * How do I begin thinking and designing ecologically? * What is the difference between "green design" and "sustainable design"? * What are some examples of effective change I can make that will have the most impact for the least cost? Written for architects, planners, landscape architects, engineers, public officials, and change agent professionals, this important resource defines the issues of sustainable design, illustrates conceptual and case studies, and provides support for continued learning in this increasingly central focus of architects' and urban planners' work. Williams's book features winning projects from the first decade of the AIA's Committee on the Environment (COTE) Top Ten award program.

Sustainable Surface Water Management - Susanne M. Charlesworth 2016-09-13

Sustainable Surface Water Management: a handbook for SUDS addresses issues as diverse as flooding, water quality, amenity and biodiversity but also mitigation of, and adaptation to, global climate change, human health benefits and reduction in energy use. Chapters are included to cover issues from around the world, but they also address particular designs associated with the implementation of SUDS in tropical areas, problems with retrofitting SUDS devices, SUDS modelling, water harvesting in drought-stricken countries using SUDS and the inclusion of SUDS in the climate change strategies of such cities as Tokyo, New York and Strasbourg.

An Aging World - Kevin G. Kinsella 2001

Provides statistical information on the worldwide population of people 65 years old or older.

Construction Law in a Nutshell - Donald Campbell (Law teacher) 2019

This book provides a comprehensive survey of the major legal issues that

arise in the course of a construction project. The structure of the book first focuses on the major participants on a project and the relationships and interests of each of participant. It then shifts to chapters on recurring themes in construction law such as the economic loss rule, calculation of damages, and defective construction. While making the concepts accessible for any reader, the book provides a logical structure for those teaching construction law to use as either the primary or supplemental reading for the course. The second edition, in addition to adding new substantive material and case examples, is also updated to reference the 2017 revisions to the AIA construction documents.

Designing Buildings for People - Derek Clements-Croome 2020-10-26

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 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-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 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.

Making Healthy Places - Andrew L. Dannenberg 2012-09-18

The environment that we construct affects both humans and our natural world in myriad ways. There is a pressing need to create healthy places and to reduce the health threats inherent in places already built. However, there has been little awareness of the adverse effects of what we have constructed-or the positive benefits of well designed built

environments. This book provides a far-reaching follow-up to the pathbreaking *Urban Sprawl and Public Health*, published in 2004. That book sparked a range of inquiries into the connections between constructed environments, particularly cities and suburbs, and the health of residents, especially humans. Since then, numerous studies have extended and refined the book's research and reporting. *Making Healthy Places* offers a fresh and comprehensive look at this vital subject today. There is no other book with the depth, breadth, vision, and accessibility that this book offers. In addition to being of particular interest to undergraduate and graduate students in public health and urban planning, it will be essential reading for public health officials, planners, architects, landscape architects, environmentalists, and all those who care about the design of their communities. Like a well-trained doctor, *Making Healthy Places* presents a diagnosis of--and offers treatment for--problems related to the built environment. Drawing on the latest scientific evidence, with contributions from experts in a range of fields, it imparts a wealth of practical information, with an emphasis on demonstrated and promising solutions to commonly occurring problems.

Sustainable Architecture: Contemporary Architecture in Detail - 2021-09-07

Biophilia - Edward O. WILSON 2009-06-30

Ethics for Architects - Thomas Fisher 2012-03-20

In this new Architecture Brief, *Ethics for Architects*, Thomas Fisher presents fifty case studies representing a broad range of ethical dilemmas facing today's architects, from questions regarding which clients to work for, to the moral imperatives of reclaiming building materials for construction instead of sending them to landfills. This timely book features newly relevant interpretations adapted to the pervasive demands of globalization, sustainability, and developments in information technology. Fisher's analysis of architecture's thorniest ethical issues are written in a style that is accessible to the amateur philosopher and appealing to professional architects and students alike.

Thought-provoking and essential, *Ethics for Architects* is required reading for any designer who wants to work responsibly in today's complex world.

Manual of Section - Paul Lewis 2016-08-23

Along with plan and elevation, section is one of the essential representational techniques of architectural design; among architects and educators, debates about a project's section are common and often intense. Until now, however, there has been no framework to describe or evaluate it. *Manual of Section* fills this void. Paul Lewis, Marc Tsurumaki, and David J. Lewis have developed seven categories of section, revealed in structures ranging from simple one-story buildings to complex structures featuring stacked forms, fantastical shapes, internal holes, inclines, sheared planes, nested forms, or combinations thereof. To illustrate these categories, the authors construct sixty-three intricately detailed cross-section perspective drawings of built projects—many of the most significant structures in international architecture from the last one hundred years—based on extensive archival research. *Manual of Section* also includes smart and accessible essays on the history and uses of section.

Toward Sustainable Agricultural Systems in the 21st Century - National Research Council 2010-07-25

In the last 20 years, there has been a remarkable emergence of innovations and technological advances that are generating promising changes and opportunities for sustainable agriculture, yet at the same time the agricultural sector worldwide faces numerous daunting challenges. Not only is the agricultural sector expected to produce adequate food, fiber, and feed, and contribute to biofuels to meet the needs of a rising global population, it is expected to do so under increasingly scarce natural resources and climate change. Growing awareness of the unintended impacts associated with some agricultural production practices has led to heightened societal expectations for improved environmental, community, labor, and animal welfare standards in agriculture. *Toward Sustainable Agricultural Systems in the 21st Century* assesses the scientific evidence for the strengths and

weaknesses of different production, marketing, and policy approaches for improving and reducing the costs and unintended consequences of agricultural production. It discusses the principles underlying farming systems and practices that could improve the sustainability. It also explores how those lessons learned could be applied to agriculture in different regional and international settings, with an emphasis on sub-Saharan Africa. By focusing on a systems approach to improving the sustainability of U.S. agriculture, this book can have a profound impact on the development and implementation of sustainable farming systems. *Toward Sustainable Agricultural Systems in the 21st Century* serves as a valuable resource for policy makers, farmers, experts in food production and agribusiness, and federal regulatory agencies.

A Reader's Guide to Contemporary Literary Theory - Raman Selden 1989

Unsurpassed as a text for upper-division and beginning graduate students, Raman Selden's classic text is the liveliest, most readable and most reliable guide to contemporary literary theory. Includes applications of theory, cross-referenced to Selden's companion volume, *Practicing Theory and Reading Literature*.

Sustainable Design - David Bergman 2012-04-25

Written for students and practitioners in the fields of architecture and interior design, our new *Architecture Brief Sustainable Design* provides a concise overview of all the techniques available for reducing the energy footprint of structures and spaces. With clear, simple language and a practical "can do" approach, author David Bergman covers everything from the profession's ethical responsibility, to design structures and spaces that sustain our natural resources, to specific considerations such as rainwater harvesting, graywater recycling, passive heating techniques, solar orientation, green roofs, wind energy, daylighting, indoor air quality, material evaluation and specification, and how to work with green building certification programs.

Shaping Things - Bruce Sterling 2005

A guide to the next great wave of technology—an era of objects so programmable that they can be regarded as material instantiations of an

immaterial system.

Sustainable Commercial Interiors - Penny Bonda 2014-07-30

Discover new approaches to green design and sustainable building with this comprehensive guide There's a substantial amount of information designers and architects need to understand about sustainability and commercial projects, especially as expectations for professionals in the industry become clearer. Luckily, the second edition of Sustainable Commercial Interiors has been revamped to serve as a comprehensive guide for anyone looking to understand the latest in green and sustainable design. Fully revised throughout, this resource now includes frameworks based on the new LEED v4 rating system, and provides fifteen brand-new case studies that document green design and building strategies for all types of projects. You'll find information on materials, furnishings, finishes, product standards, and certifications, all designed to keep you in the know and prepare you for future ventures in sustainable design. The ideal professional companion for interior designers, commercial builders and developers, architects, and interior design students, this guide is an all-in-one introduction to the most essential topics in the industry, such as global environmental issues, water and energy usage, and the tools of the trade, to name just a few. The book is illustrated with full color images throughout. Fully revised and updated to include information on the new LEED v4 rating system Discusses the past, present, and future of sustainable design Considers global environmental issues, such as waste, land use, and bio-inspired design Covers water and energy usage and sustainable materials Discover the benefits of green building and adopt new approaches to sustainable design. Sustainable Commercial Interiors is your go-to resource for navigating new expectations for responsible interior design.

The New Carbon Architecture - Bruce King 2017-12-05

Soak up carbon into beautiful, healthy buildings that heal the climate "Green buildings" that slash energy use and carbon emissions are all the rage, but they aren't enough. The hidden culprit is embodied carbon — the carbon emitted when materials are mined, manufactured, and transported — comprising some 10% of global emissions. With the built

environment doubling by 2030, buildings are a carbon juggernaut threatening to overwhelm the climate. It doesn't have to be this way. Like never before in history, buildings can become part of the climate solution. With biomimicry and innovation, we can pull huge amounts of carbon out of the atmosphere and lock it up as walls, roofs, foundations, and insulation. We can literally make buildings out of the sky with a massive positive impact. The New Carbon Architecture is a paradigm-shifting tour of the innovations in architecture and construction that are making this happen. Office towers built from advanced wood products; affordable, low-carbon concrete alternatives; plastic cleaned from the oceans and turned into building blocks. We can even grow insulation from mycelium. A tour de force by the leaders in the field, The New Carbon Architecture will fire the imagination of architects, engineers, builders, policy makers, and everyone else captivated by the possibility of architecture to heal the climate and produce safer, healthier, and more beautiful buildings.

Building Envelopes - Jenny Lovel 2013-07-02

Few parts of a building work harder than its envelope (also known as its facade). The envelope is the part of the building most visible from the outside--so it should be visually appealing--but it can also have the biggest effect on the well-being and safety of its occupants--so the envelope should be help heat and cool the building, allow light into it, and provide necessary structure. Too often, a building's envelope is more aesthetically striking than functional, or vice versa. A great building envelope, though, architecturally integrates all of its elements.

Sustainable Design - David Bergman 2013-07-02

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

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

Bon Jovi - 2017-09-15

Intimate, candid, and visually stunning, *This House is Not For Sale* offers an exclusive behind-the-scenes look at Bon Jovi, rock icons at the very top of their game, as they do everything from recording their latest chart-topping record to leaving it all on stage for the fans night after night on their latest tour. *This House is Not For Sale* features over 150 dramatic photographs, many never-before-seen, taken by official Bon Jovi photographer David Bergman, and strikingly honest interviews with each band member by acclaimed music journalist Ray Waddell.

How to Start and Run a Commercial Art Gallery (Second Edition) -

Edward Winkleman 2018-11-13

"A comprehensive guide." —Artspace. "Whether you are new to the business or a seasoned gallerist, it is always wise to remember the essentials." —Leigh Conner, director, Conner Contemporary Art Aspiring and new art gallery owners can find everything they need to plan and operate a successful art gallery with *How to Start and Run a Commercial Art Gallery*. This new edition has been updated to mark the changes in market and technology over the past decade. Edward Winkleman and Patton Hindle draw on their years of experience to explain step by step how to start your new venture. From finding the ideal locale and renovating the space to writing business plans and securing start-up capital, this helpful guide has it all. Chapters detail how to: Manage cash flow Grow your new business Hire and manage staff Attract and retain artists and clients Represent your artists Promote your gallery and artists online Select the right art fair And more *How to Start and Run a Commercial Art Gallery, Second Edition*, also includes sample forms, helpful tips from veteran collectors and dealers, a large section on art fairs, and a directory of art dealer associations.

The Green Imperative: Ecology and Ethics in Design and Architecture - Victor Papanek 2022-02-01

A fresh edition of the sustainable design pioneer Victor Papanek's classic

and ever-relevant book examining the important role of design in combating climate change. Whether it's horror at the plastic littering the world's beaches or despair at the melting polar ice caps, the world is gradually waking up to the impending climate disaster. In *The Green Imperative*, Papanek argues for design that addresses these issues head-on. This means using materials that can be recycled and reused, no more pointless packaging, thinking about how products make us feel and engage all our senses, putting nature at the heart of design, working at a smaller scale, rejecting aesthetics for their own sake, and thinking before we buy. First published at the end of the twentieth century, this book offered a plethora of honest advice, clear examples, and withering critiques, laying out the flaws of and opportunities for the design world at that time. A quarter of a century on, Papanek's lucid prose has lost none of its verve, and the problems he highlights have only become more urgent, giving today's reader both a fascinating historical perspective on the issues at hand and a blueprint for how they might be solved.

Modern Architecture - Alan Colquhoun 2002-04-25

This new account of international modernism explores the complex motivations behind this revolutionary movement and assesses its triumphs and failures. The work of the main architects of the movement such as Frank Lloyd Wright, Adolf Loos, Le Corbusier, and Mies van der Rohe is re-examined shedding new light on their roles as acknowledged masters. Alan Colquhoun explores the evolution of the movement from Art Nouveau in the 1890s to the megastructures of the 1960s, revealing the often contradictory demands of form, function, social engagement, modernity and tradition.

101 Rules of Thumb for Sustainable Buildings and Cities - Huw Heywood 2019-07-25

People across the world are becoming more aware of the need for the buildings and cities they live and work in to be sustainable, but the issue of how to be sustainable can seem a confusing and complex one. These rules of thumb provide universal guidelines for the sustainable design of both buildings and the urban realm. It's a global primer and textbook for anyone interested in understanding sustainability in the built

environment, an ideal starting point for students as well as an aide memoir for more experienced readers and practitioners interested in this field.

A Handbook of Theories on Designing Alignment Between People and the Office Environment - Rianne Appel-Meulenbroek 2021-06-16

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.

Essentials of Computational Chemistry - Christopher J. Cramer
2013-04-29

Essentials of Computational Chemistry provides a balanced introduction to this dynamic subject. Suitable for both experimentalists and theorists, a wide range of samples and applications are included drawn from all key areas. The book carefully leads the reader thorough the necessary equations providing information explanations and reasoning where necessary and firmly placing each equation in context.

Sustainable Work Ability and Aging - Clas-Håkan Nygård 2020-02-13
In many industrialized countries, there is a sharp increase of the aging population due to a decrease in fertility rate and an increase in life expectancy. Due to which, the age dependency ratio rises and may cause increased economic burden among working age population. One strategy to combat this problem is to prolong peoples working career. A sufficient work ability is a requirement for a sustainable and prolonged employment. Work ability is primarily a question of balance between work and personal resources. Personal resources change with age, whereas work demands may not change parallel to that, or only change due to globalization or new technology. Work ability, on average, decreases with age, although several different work ability pathways exist during the life course. Work-related factors, as well as general lifestyle, may explain the declines and improvements in work ability

during aging. A sustainable work ability throughout the life course is a main incentive for a prolonged working career and a healthy aging. Work ability and work-related factors, are therefore important occupational and public health issues when the age of the population increases. This Special Issue, "Sustainable Work Ability and Aging", includes in all 16 original articles and one opinion paper, organized in three sections. The research topics cover wide aspects of work ability, from determinants, older employee's coping with their work, methodological issues as well as results of interventions on promoting work ability.

The Architectural Detail - Edward R. Ford 2012-08-10

The Architectural Detail is author Edward R. Ford's life's work, and this may be his most important book to date. Ford walks the reader through five widely accepted (and wildly different) definitions of detail, in an attempt to find, once and for all, the quintessential definition of detail in architecture.

Graphic Design Theory - Helen Armstrong 2012-08-10

Graphic Design Theory is organized in three sections: "Creating the Field" traces the evolution of graphic design over the course of the early 1900s, including influential avant-garde ideas of futurism, constructivism, and the Bauhaus; "Building on Success" covers the mid-to late twentieth century and considers the International Style, modernism, and postmodernism; and "Mapping the Future" opens at the end of the last century and includes current discussions on legibility, social responsibility, and new media. Striking color images illustrate each of the movements discussed and demonstrate the ongoing relationship between theory and practice. A brief commentary prefaces each text, providing a cultural and historical framework through which the work can be evaluated. Authors include such influential designers as Herbert Bayer, L'szlo Moholy-Nagy, Karl Gerstner, Katherine McCoy, Michael Rock, Lev Manovich, Ellen Lupton, and Lorraine Wild. Additional features include a timeline, glossary, and bibliography for further reading. A must-have survey for graduate and undergraduate courses in design history, theory, and contemporary issues, Graphic Design Theory invites designers and interested readers of all levels to plunge into the

world of design discourse.

Architecture in the United States - Dell Upton 1998

From Native American sites in New Mexico and Arizona to the ancient earthworks of the Mississippi Valley to the most fashionable contemporary buildings of Chicago and New York, American architecture is incredibly varied. In this revolutionary interpretation, Upton examines American architecture in relation to five themes: community, nature, technology, money, and art. 109 illustrations. 40 linecuts. Map.

Digital Fabrications - Lisa Iwamoto 2013-07-02

Digital Fabrications, the second volume in our new Architecture Briefs series, celebrates the design ingenuity made possible by digital fabrication techniques. Author Lisa Iwamoto explores the methods architects use to calibrate digital designs with physical forms. The book is organized according to five types of digital fabrication techniques: tessellating, sectioning, folding, contouring, and forming. Projects are shown both in their finished forms and in working drawings, templates, and prototypes, allowing the reader to watch the process of each fantastic construction unfold. Digital Fabrications presents projects designed and built by emerging practices that pioneer techniques and experiment with fabrication processes on a small scale with a do-it-yourself attitude. Featured architects include AEDS/Ammar Eloueini, Atelier Manferdini, Brennan Buck, MOS, Office dA, Florencia Pita/MOD, Mafoomby, URBAN A+O, SYSTEMarchitects, Andrew Kudless/Matsys, IwamotoScott, Atelier Hitoshi Abe, Chris Bosse, Tom Wiscombe/EMERGENT, Thom Faulders Architecture, Jeremy Ficca, SPAN, GNUFORM, Heather Roberge, PATTERNS, Ruy Klein, and servo.

The Philosophy of Sustainable Design - Jason F. McLennan 2004

The author outlines the major ideas and issues that have emerged in the growing movement of green architecture and sustainable design over the last thirty years. The book asks individuals to understand how the philosophy of sustainable design can affect their own work.

The Built Environment - Wendy R. McClure 2011-09-09

This book takes a sweeping view of the ways we build things, beginning at the scale of products and interiors, to that of regions and global

systems. In doing so, it answers questions on how we effect and are affected by our environment and explores how components of what we make—from products, buildings, and cities—are interrelated, and why designers and planners must consider these connections.

The Future of Architecture in 100 Buildings - Marc Kushner
2015-03-10

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.

Understanding Green Building Materials - Traci Rose Rider 2011-05-02
A companion to *Understanding Green Building Guidelines*, this primer explains green building products—what they are and how to choose them. From eco-friendly sheetrock to sustainable paint finishes, the green building movement is gaining momentum. But with new products, manufacturers, and standards being introduced routinely, how are

architects or designers to know what's best for their projects? This book summarizes what is available and the considerations for selecting sustainable materials.

The Language of Architecture - Andrea Simitch 2014-06-01

Learning a new discipline is similar to learning a new language; in order to master the foundation of architecture, you must first master the basic building blocks of its language - the definitions, function, and usage. *Language of Architecture* provides students and professional architects with the basic elements of architectural design, divided into twenty-six easy-to-comprehend chapters. This visual reference includes an introductory, historical view of the elements, as well as an overview of how these elements can and have been used across multiple design disciplines. Whether you're new to the field or have been an architect for years, you'll want to flip through the pages of this book throughout your career and use it as the go-to reference for inspiration, ideas, and reminders of how a strong knowledge of the basics allows for meaningful, memorable, and beautiful fashions that extend beyond trends. This comprehensive learning tool is the one book you'll want as a staple in your library.

Partnerships for the Sustainable Development Goals (SDGs) - David F Murphy 2021-06-28

This Special Issue of Sustainability on "Partnerships for the Sustainable Development Goals (SDGs)" brings together a collection of articles that explore a diverse range of issues and challenges faced by partnership arrangements that seek to support the achievement of the SDGs and the United Nations 2030 Agenda for Sustainable Development. As well as encompassing a diverse range of collaborative forms and themes, and involving a variety of stakeholders, these collaborative initiatives are all notably shaped by the dynamics of the particular contexts in which they operate. These contexts include individual, organizational, sectoral, spatial, and geographical settings. The impact of the COVID-19 pandemic on partnering for the SDGs is also apparent. The interplay between these elements offers a useful global-local context for further inquiry and reflection on how deeper and more meaningful collaborative

relationships might be developed to achieve the SDG targets and beyond