Sustainable Design For Interior Environments Susan Winchip

At last, there's an authoritative guide to help interior designers apply green- building and sustainability applications to their environments. Sustainable Interior Design expertly introduces the principles of environmentally responsible design for interior environments. This useful reference provides beginning designers and experienced professionals alike with a comprehensive survey that coverers everything from theoretical approaches to current practices. It helps designers understand the environmentally responsible approach and make design decisions that are ethical and do not harm the world?s environment.

The gold standard for learning interior design, now published by Wiley In this Eleventh Edition of Beginnings of Interior Environments, accomplished interior designer and instructor Lynn M. Jones delivers a balanced and comprehensive overview of commercial and residential architecture. Written specifically for courses accredited by the Council for Interior Design Accreditation (CIDA), the book offers coverage of design history and its fundamentals and the interrelationship between construction, electrical, and mechanical systems. The book presents case studies that explore the real-world importance of interior design and prepare students for a post-graduation career in the industry. Hundreds of images from actual design firms illustrate the design process while the text discusses issues of global importance, from sustainability to space planning. The text also includes "Design Scenarios" that demonstrate examples of professional practice and in-house production work a student is likely to encounter during their work. Readers will also enjoy: A thorough introduction to interior environments, including the fundamentals of interior design and the health, safety, and welfare benefits of interior design A comprehensive exploration of design fundamentals, including the elements and principles of design and color Practical discussions of building systems, including construction components, systems, and codes, as well as lighting, electrical, and communications systems In-depth examinations of the profession of interior design, including explorations of the career path of an interior designer Now published by Wiley, Beginnings of Interior Environments is perfect for students in an introductory interior design course, and an indispensable resource for anyone seeking a balanced interior design perspective.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. What designers really do: A practical introduction to interior design. Beginnings of Interior Environments, 11e, provides a practical approach to introductory interior design. The text addresses interior design holistically, stressing the importance of commercial and residential environments equally. Students are introduced to the history, design fundamentals, and building systems (construction, electrical, mechanical) of design through practical examinations and engaging discussions that encourage them to analyze the needs and desires of clients, and through the synthesis of this information, create healthful, safe, and sustainable environments that enhances their clients' quality of life.

"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.

Stretching beyond the successes and challenges of universal design since the inception of the Americans with Disabilities Act in 1990 and its amendment in 2008, Inclusive Design: A Universal Need details how an inclusive approach to design creates an accessible and aesthetically pleasing environment for a total population—not just the aging or differently abled. Fully covering CIDA accreditation standards that include both the application of ADA and universal design, the text further specifies the benefits of an inclusive approach to residential and commercial environments, product design, and technology.

Sustainability has emerged as a central issue for contemporary societies and for the world community as a whole. Furthermore, many of the social and environmental concerns that are embodied in the term 'sustainability' are directly or indirectly related to design. Designers help to define our human made environment - how it is produced, how it is used, and how long it endures. Despite some forty years of development and increased awareness of the critical relationships that exist between design decisions and modes of production, energy use, environmental impacts, the nature of work and human exploitation, design for sustainability is still not widely understood or followed. The Handbook of Design for Sustainability presents a comprehensive, state-of-the-art overview of this crucial subject - its development, its methods, its practices and its potential futures. Bringing together leading international scholars and new researchers to provide a substantive insight into the latest thinking and research within the field, The Handbook covers a breadth of historical and theoretical understandings and includes a series of original essays that explore methods and approaches for designers and design educators. The Handbook presents the first systematic overview of the subject

that, in addition to methods and examples, includes historical perspectives, philosophical approaches, business analyses, educational insights and emerging thinking. It is an invaluable resource for design researchers and students as well as design practitioners and private and public sector organizations wishing to develop more sustainable directions.

A much-needed reference to the latest thinking in universal design Universal Design: Creating Inclusive Environments offers a comprehensive survey of best practices and innovative solutions in universal design. Written by top thinkers at the Center for Inclusive Design and Environmental Access (IDeA), it demonstrates the difference between universal design and accessibility and identifies its relationship to sustainable design and active living. Hundreds of examples from all areas of design illustrate the practical application of this growing field. Complete, in-depth coverage includes: • The evolution of universal design, from its roots in the disability rights movement to present-day trends • How universal design can address the needs of an aging population without specialization or adaptation to reduce the need for expensive and hard-to-find specialized products and services • Design practices for human performance, health and wellness, and social participation • Strategies for urban and landscape design, housing, interior design, product design, and transportation Destined to become the standard professional reference on the subject, Universal Design: Creating Inclusive Environments is an invaluable resource for architects, interior designers, urban planners, landscape architects, product designers, and anyone with an interest in how we access, use, and enjoy the environment.

The environmental impact of interior architecture and design practice is immense. This book highlights the need for designers to adapt the way they work and relearn lessons that have been lost. Contrary to many preconceptions, sustainable design can be sophisticated and stylish. And by its nature, a sustainable approach means considering the whole life cycle of a project and therefore improving the functionality, quality, human enjoyment and, in the long term, bringing real social and economic benefits. This book has examples, techniques, and historical and contemporary case studies, all supported by useful resources and links. A comprehensive reference book for anyone wanting to work in this area, Siân Moxon aims to introduce the ideas behind sustainability to design students while they are formulating their understanding of the industry, encouraging and inspiring them with positive, creative and practical alternatives.

This book offers practical and theoretical tools for more effective sustainable design solutions and for communicating sustainable design ideas to today's diverse stakeholders. It uses Integral Theory to make sense of the many competing ideas in this area and offers a powerful conceptual framework for sustainable designers through the four main perspectives of: Behaviours, Systems, Experiences and Cultures. It also uses human developmental theory to reframe sustainable design across four levels of complexity present in society: the Traditional, Modern, Postmodern, and Integral waves. Profuse with illustrations and examples, the book offers many conceptual tools including: - Twelve Principles of Integral Sustainable Design - Sixteen Prospects of Sustainable Design - Six Perceptual Shifts for Ecological Design Thinking - Five Levels of Sustainable Design Aesthetics - Ten Injunctions for Designing Connections to Nature The Second Edition of Sustainable Residential Interiors addresses cutting edge processes, strategies, and principles as well as details for in-depth product vetting

criteria. Award-winning, leading interior designer Annette Stelmack shares her expertise from the perspective of LEED Building Design & Construction projects, healthy interiors, and chemical sensitivities, addressing principles, strategies, and solutions for design practitioners. A comprehensive update of the current state of the sustainable interior design industry is provided, including present and upcoming industry transformations, thought-leading principles, strategies and practices for project implementation, and fine points and resources for in-depth product vetting to support high-performing, healthy interiors. Sustainable Residential Interiors takes readers through an integrated design process, demonstrating relevant principles and practices that apply to essentially any interiors project toward creating an environment that is healthy, high-performing, functional, sustainable, and beautiful. In doing so, it: Promotes critical thinking about health and environmental issues in the building industry Features checklists and current resources, providing a "hands on" practical approach Addresses in-depth, applicable third party certifications and details on relevant building rating systems Provides in-depth strategies and criteria for fixed interior finishes, fixtures, equipment and furnishings Demonstrates successful, relevant, diverse and inspiring case studies Delivers comprehensive tools and resources for researching and vetting products' composition and chemical make-up. Evaluates all aspects of a building's interior to identify and implement methods that: save energy and water; reduce CO_2 emissions and waste; improve indoor air quality free of toxins; and are responsive to environmental impacts Encourages forward-thinking by featuring inspirational statements from mentors, peers, and industry leaders Urges interior designers to commit to designing safe, healthy environments that are integral to a professional code of ethics, which ensure the delivery of positive outcomes for the client and any building's future occupants

This thesis examines the relationship between the principles of complementary and alternative medicine and sustainable design strategies. The concept of health and healing as it relates to the human body, the built environment and sustainability are discussed.

Environmentally responsible design has long been of interest--and has become a priority in order to offset the effects of global warming and soaring energy costs. While many people are aware of "green" design, the concept of sustainable development is far more complex. Sustainable Design for Interior Environments is the first comprehensive textbook on the subject and is intended for students and instructors as well as practicing designers, architects, contractors, and facility managers. Introductory chapters provide a thorough grounding in environmental concerns, including the ways in which resources are affected and depleted and the development and effects of legislation. These principles are then put into practice. Strategies for working with natural resources, managing air quality and contaminants, and using different materials are discussed--everything from directing sunlight and determining acoustics to the choice of flooring and fabrics. Case studies incorporate hands-on activities to lead students through the design process. Thorough, transformative, and tough, Sustainable Design is the gold-standard text on one of today's most important issues in design. DIV In the world of interior design, thousands of bits of crucial information are scattered across a wide array of sources. The Interior Design Reference & Specification Book collects the information essential to planning and executing interior projects of all

shapes and sizes, and distills it in a format that is as easy to use as it is to carry. You'll also find interviews with top practitioners drawn across the field of interior design. —Fundamentals provides a step-by-step overview of an interiors project, describing the scope of professional services, the project schedule, and the design and presentation tools used by designers. —Space examines ways of composing rooms as spatial environments while speaking to functional and life-safety concerns. —Surface identifies options in color, material, texture, and pattern, while addressing maintenance and performance issues. —Environments looks at aspects of interior design that help create a specific mood or character, such as natural and artificial lighting, sound and smell. —Elements describes the selection and specification of furniture and fixtures, as well as other components essential to an interior environment, such as artwork and accessories. —Resources gathers a wealth of useful data, from sustainability guidelines to online sources for interiors-related research. /div

Over the last few decades, there have been dramatic improvements in the understanding and research of environmental design. Numerous methods have been developed to enhance architectural design in order for it to be more energy efficient, sustainable and health enhancing. This book presents several theories and techniques that can be used to improve how buildings are engineered and designed in order to utilize more sustainable construction methods while promoting the health of the building's occupants. Contributions to the study of environmental design have come from a diversity of fields including applied mathematics, optimization, computer science, medical research, psychology, management science, architecture, and engineering. The techniques developed in these areas of research can be used to increase building performance, occupant satisfaction, productivity, and well being, and reducing the incidence of health conditions and chronic diseases related to the use of a designed space. This book provides architectural practitioners, civil engineers as well as other interdisciplinary researchers with the techniques needed to design, implement, and test for sustainability and health promotion in new or existing structures.

Sustainable Design for Interior Environments, 2nd Edition, builds on the first edition s premise that the interior design profession has a social and moral responsibility to protect the health, safety, and welfare of people and the environment. The text equips professors, students, and practitioners to design sustainable interiors by addressing LEED certification, environmental concerns, ecosystems, ethics, values, worldviews, and the ways in which science and technology can be used to address environmental challenges. Through content, organization, and pedagogical features, the book integrates complex sustainability topics directly into the design process, thereby enabling readers to apply the concepts of sustainability with the same ease as they do the elements and principles of design.

The Sustainable Design Book updates the reader on the latest products and developments in the field of green design, and features 265 of the most exciting new products around. Q&As with leading designers give insight into trends and key techniques used within the industry, while handy icons highlight each product's sustainability credentials at a glance. Beginning with a chapter on sustainable materials, the book goes on to cover furniture, lighting, home accessories, and personal accessories. Web addresses of designers and retailers make each product easy to source. The Sustainable Design Book is an unbeatable resource for those aspiring to

best practice within the field of sustainable design, as well as students of contemporary product design. Consumers looking for beautiful but environmentally conscious products and accessories will also find this an essential guide.

There are unique greening solutions and practices that help create a lifestyle shift, improving the health of living and working spaces for its occupants from a personal, business, environmental, and profitable perspective. Short-term and long-term considerations are important elements when moving forward towards healthy practices in lifestyles, choices, and site designs. This book addresses a myriad of greening practices that can be applied to structures in our urban, suburban, and rural cultures. From the loft to the neighborhood, the office spaces to the public spaces, and the schools to the communities, this book outlines how business owners and residents can integrate scale appropriate green solutions into their lifestyles. Green Up!: Sustainable Design Solutions for Healthier Work and Living Environments includes detailed illustrations and photographs to help you understand design opportunities for your space. Stevie Famulari provides unique insights and inspires business owners, residents, and planners to develop their own green understanding and design solutions. Illustrations and photographs of applied greening are included throughout the book to help inspire your own goals and design, and then transform them to reality. The author breaks down the misconceptions of the complexity of sustainability and green practices. Greening is a lifestyle change, and this step-by-step instruction guide lets you know how easy it is to transition to the green side!

Indoor residential environments have a direct influence on human health, both in developed and developing countries. Significant levels of indoor pollution can make housing unsafe and can negatively impact on human health. Housing, therefore, is a key health factor for people all over the world, and various parameters such as air quality, ventilation, hygrothermal comfort, lighting, physical environment, building efficiency, and others can contribute to healthy architecture and the conditions that can result from the poor application of these parameters. Health and Well-Being Considerations in the Design of Indoor Environments addresses issues concerning indoor environmental quality (IEQ), including air quality and ventilation, access to daylight and views, acoustic conditions, and control over lighting and thermal comfort, as well as the impact that this environment can have on human health and mental well-being. The book also investigates the functional aspects of interior design such as whether the layout provides easy access to tools and sufficient space for occupants. It also considers energy demand and building energy losses due to such issues as air renovations and enclosure infiltrations. Covering topics such as sustainable design, pollution, building materials, and lighting, this book is an effective resource for students, professors, academicians, researchers, architects, designers, planners, engineers, interior designers, building managers, construction companies, and other industry professionals looking to increase building occupant satisfaction by considering all aspects of IEQ.

After its publication in 1992, Designing Interiors became a hugely successful reference tool and designing textbook. In Designing Interiors, Second Edition, updates on trends in sustainability and green design, building codes, universal design, and building information models amplify the already invaluable interior design tricks of trade. Design professors Rosemary and Otie Kilmer provide a fuller design history that incorporates non-Western design and dynamic color illustrations that flesh out technical concepts.

This book argues that interior architects have a responsibility to practice their profession in collaborative ways that address the needs of communities and of to be the agents of social justice and cultural heritage. The book is divided into three sections, based on three pivotal themes — community engagement, social justice and cultural heritage. Each section has chapters that put forward the principles of these themes, leading into a variety of fascinating case studies that illustrate how socially sustainable design is implemented in diverse

communities across the world. The second section includes four concise case studies of community housing issues, including remote-area indigenous housing and housing for the homeless. The third section offers two extensively researched essays on design and cultural heritage — a case study of the development of a redundant industrial site and a historical study of gendered domestic interiors. The book appeals to a wider audience than the design community alone and challenges mainstream interior design/interior architecture practitioners nationally and internationally to take a leading role in the field of socially responsible design. The issues raised by the authors are relevant for individuals, communities, government and non-government organisations, professionals and students. "In the twenty-first century we seem to have entered into a new world of knowledge discovery, where many of the most exciting insights come not from the authority of a traditional discipline, but from the dialogue that happens at the hubs and intersections of thought — the arenas where different disciplines and approaches, different schools and habits of thinking, come together to collaborate and contend. This collection is a good example of this, and I hope the book will be widely read and its lessons learned and applied." Tim Costello, Officer of the Order of Australia, Chief Executive, World Vision Australia.

The gold standard for entry-level interior design education, now published by Wiley In this Eleventh Edition of Beginnings of Interior Environments, accomplished interior designer and professor Lynn M. Jones delivers a balanced and comprehensive overview of commercial and residential interior design. Written to offer coverage of the creative and technical characteristics of the profession, the text also addresses Council for Interior Design Accreditation (CIDA) content. The book presents topics on the scope of the profession, spatial development, and visual literacy while also reviewing the factors of quality aesthetics. Hundreds of images from actual design projects, supplied by national and international design firms, illustrate the design process. "Design Scenarios," or case studies, demonstrate examples of professional practice and in-house production work students are likely to encounter during their career. The text discusses issues of global importance, from sustainability to universal design; a pictorial essay reviews the history of style. Readers will also enjoy: An introduction to interior environments, including the fundamentals of interior design and the health, safety, and welfare benefits of interior design An exploration of design fundamentals, including the elements and principles of design, with a special emphasis on color Practical discussions on building construction, including construction components and codes, as well as lighting, electrical, and communication systems An entire section dedicated to interior finishes—upholstery, wallcoverings, and floorings—and furnishings—furniture, art, and accessories In-depth examinations of the profession of interior design, including career opportunities Beginnings of Interior Environments is perfect for students in an introductory interior design course, and an indispensable resource for anyone seeking a balanced interior design perspective for their home or office.

An accessible, climate-diverse guide that transforms readers from sustainable design novices to whole-solution problem solvers. Sustainable Design Basics is a student-friendly introduction to a holistic and integral view of sustainable design. Comprehensive in scope, this textbook presents basic technical information, sustainability strategies, and a practical, step-by-step approach for sustainable building projects. Clear and relatable chapters illustrate how to identify the factors that reduce energy use, solve specific sustainable design problems, develop holistic design solutions, and address the social and cultural aspects of sustainable design. Requiring no prior knowledge of the subject, the text's easy-to-follow methodology leads readers through the fundamental sustainable design principles for the built environment. Sustainably-constructed and maintained buildings protect the health and improve the productivity of their occupants, as well as help to restore the global ecosystem. The authors, leading practitioners and educators in sustainable design, have created a resource that

provides a solid introduction to broad level sustainability thinking that students can take forward into their professional practice. Topics include space planning for sustainable design, integrative and collaborative design, standards and rating systems, real-world strategies to conserve energy and resources through leveraging renewable natural resources and innovative construction techniques and their impact on our environment. Usable and useful both in and beyond the classroom, this book: Covers building location strategies, building envelopes and structures, integration of passive and active systems, green materials, and project presentation Examines cultural factors, social equity, ecological systems, and aesthetics Provides diverse student exercises that vary by climate, geography, setting, perspective, and typology Features a companion website containing videos for each sustainable strategy, matrices, templates, Sketch-Up and AutoCAD files, PowerPoint slides, and extensive instructor resources Sustainable Design Basics is an important resource aimed at undergraduate architecture and interior design students, or first-year graduate students, as well as design professionals wishing to integrate sustainable design knowledge and techniques into their practice.

Practical information on designing sustainable,energy-efficient building facades As energy and other natural resources are being depleted, it hasbecome clear that technologies and strategies that allow us tomaintain our satisfaction with interior environments whileconsuming less of these resources are major objectives ofcontemporary facade design. Sustainable Facades focuses onthe strategies and approaches for designing sustainable,high-performance building facades, and provides technical guidancefor architects and designers. This timely and useful guide presents strategies and technicalguidelines for designing environmentally sensitive,energy-efficient facades based on scientific principles. Itprovides climate-specific approaches for minimizing energyconsumption, analyzes the thermal behavior of different facadesystems and materials, and illustrates with case studies how theseapproaches have been implemented on architectural projects. It alsodiscusses emerging facade technologies, materials, and systems. Topics covered in this unique and indispensable guideinclude: Climate-based design approaches for high-performancefacades Characteristics of sustainable facades: energy efficiency,thermal behavior, and moisture resistance Designing for thermal comfort, lighting and glare control, andacoustic quality Emerging technologies in facade design, including smartmaterials, double-skin facades, and facades as energygenerators Case studies on building orientation and facade design,tectonic sun exposure control, external shading elements, andmore

This 4-colour practical guide explores how the design of interior spaces impacts wellbeing. In the built environment, this topic is generally overlooked, even though it is one of the most important topics in sustainable building. This book will enable project teams to understand how specific decisions about sustainable design and materials can be implemented on a day to day basis. Each Part ends by placing each issue into context, exploring how it is a part of sustainable design and includes practical examples. This books raises awareness of the impact interior environments have on wellbeing, and provide details and guidance on how to immediately apply the knowledge in this book to short and long term projects. It also quantifies the impacts in financial and other value terms, making this book immediately useful in a designer's day-to-day work.

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.

As the globe shrinks and the concept of distance diminishes, this text challenges the current status quo by identifying the cohesions and specialisations of design

communities across the continents. It sets out an international spatial design landscape, identifying and contouring global design practice and design hotspots from a range of case studies, interviews and design practice perspectives. Using a range of interior environments, the chapters link the origins, trends and perceptions of the interior to create new insight into trans-global design. The book expands, but also coheres the interior design discipline to ensure the subject continues to grow, develop and influence the inhabitations of the world. The book features a wealth of pedagogical elements including: Beautifully designed with over 100 full colour illustrations, photographs and examples of design work Maps and diagrams which highlight hotspots of design across the globe, providing strong graphic information Interview panels featuring professional insights from designers across the globe 'Employability' boxes, providing a good tips guide for students gaining employment across the globe 'International Dimension' boxes which strengthen the scholarship of studying interior design in a globalised way 'Design Oddities' box which brings into focus any new or contextual facts that help contextualise the global interior. Organized by types of materials and applications, this guidehelps designers successfully address material evaluation andselection of interior components. Engagingly written, highlydetailed, and helpfully illustrated with more than 550 colorillustrations, Materials for Interior Environments is acomprehensive guide to everything a designer needs to know aboutthe materials available for interiors—from aestheticqualities to manufacturing and fabrication, applications,installation and maintenance, and specifications for materials usedin commercial and residential applications. Design as Politics confronts the inadequacy of contemporary politics to deal with unsustainability. Current 'solutions' to unsustainability are analysed as utterly insufficient for dealing with the problems but, further than this, the book questions the very ability of democracy to deliver a sustainable future. Design as Politics argues that finding solutions to this problem, of which climate change is only one part, demands original and radical thinking. Rather than reverting to failed political ideologies, the book proposes a post-democratic politics. In this, Design occupies a major role, not as it is but as it could be if transformed into a powerful agent of change, a force to create and extend freedom. The book does no less than position Design as a vital form of political action. A practical approach to planning residential spaces Residential Interior Design: A Guide To Planning Spaces is the industry-standard reference for all aspects of residential space planning, with a practical focus on accessible design, ergonomics, and how building systems affect each space. This new third edition has been updated with the most recent code information, including the 2015 International Residential Code and the International Green Construction Code, and new content on remodeling. Packed with hundreds of drawings and photographs, this book illustrates a step-by-step approach to design that applies to any residential space, and ensures that the most important factors are

weighted heavily in the decision making process. Daily use is a major consideration, and the authors explore the minimum amount of space each room requires to function appropriately while examining the host of additional factors that impact bedrooms, bathrooms, kitchens, hallways, and more. Detailed information about accessibility is included in each chapter, making this book a reliable design reference for "aging in place" and universal design. The new companion website features teaching tools and a variety of learning supplements that help reinforce the material covered. Interior design is a fundamental component of a residential space, and a required skill for architecture and design professionals. This book is a complete reference on all aspects of residential design, and the factors that make a space "work." Design spaces with primary consideration of daily use Account for building systems, accessibility, human factors, and more Get up to date on the latest residential interior building codes Plan interiors for any home, any style, and any budget Designing a residential interior is about more than choosing paint colors and furniture—it's about people, and how they interact and use the space. It's about shaping the space to conform to its function in the best possible way. Residential Interior Design provides clear, comprehensive guidance on getting it right every time.

"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."--Jacket.

In today's unsustainable world of goods, where products are desired, purchased, briefly used and then promptly landfilled to make way for more, consumption and waste are rapidly spiralling out of control with truly devastating ecological consequences. Why do we, as a consumer society, have such short-lived and under-stimulating relationships with the objects that we invest such time, thought and money in acquiring, but that will soon be thoughtlessly discarded? Emotionally Durable Design is a call to arms for professionals, students and academic creatives; proposing the emergence of a new genre of sustainable design that reduces consumption and waste by increasing the durability of relationships established between users and products. In this provocative text, Jonathan Chapman pioneers a radical design about-face to reduce the impact of modern consumption without compromising commercial viability or creative edge. The author explores the essential question, why do users discard products that still work? It transports the reader beyond symptom-focused approaches to sustainable design such as design for recycling, biodegradeability and disassembly, to address the actual causes that underpin the environmental crisis we face. The result is a revealing exploration of consumer psychology and the deep motivations that fuel the human condition, and a rich resource of creative strategies and practical tools that will enable designers from a range of disciplines to explore new ways of thinking and of designing objects capable of

supporting deeper and more meaningful relationships with their users. This is fresh thinking for a brave new world of creative, durable and sustainable products, buildings, spaces and designed experiences.

Does going green change the face of design or only its content? The first book to outline principles for the aesthetics of sustainable design, The Shape of Green argues that beauty is inherent to sustainability, for how things look and feel is as important as how they're made. In addition to examining what makes something attractive or emotionally pleasing, Hosey connects these questions with practical design challenges. Can the shape of a car make it more aerodynamic and more attractive at the same time? Could buildings be constructed of porous materials that simultaneously clean the air and soothe the skin? Can cities become verdant, productive landscapes instead of wastelands of concrete? Drawing from a wealth of scientific research, Hosey demonstrates that form and image can enhance conservation, comfort, and community at every scale of design, from products to buildings to cities. Fully embracing the principles of ecology could revolutionize every aspect of design, in substance and in style. Aesthetic attraction isn't a superficial concern — it's an environmental imperative. Beauty could save the planet.

Interior design students will find inspiration in Design and Security in the Built Environment as they learn about meeting security needs in offices, hospitals, schools, and other public and private facilities. Recognizing that design professionals must also take into account sustainability, accessibility, innovation, sense of place, and a host of other issues, the authors offer a seamless connection between security and these factors. To assist students in developing the mind-set they will need to consider security from the start of a project, the text focuses on the relationship of the psychological and physical aspects of security to interior design.

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.

Beyond Sustainable discusses the relationship between human-beings and the constructed environments of habitation we create living in the Anthropocene, an increasingly volatile and unpredictable landscape of certain change. This volume accepts that human-beings have reached a moment beyond climatological and ecological crisis. It asks not how we resolve the crisis but, rather, how we can cope with, or adapt to, the irreversible changes in the earth-system by rethinking how we choose to inhabit the world-ecology. Through an examination of numerous historical and contemporary projects of architecture and art, as well as observations in philosophy, ecology, evolutionary biology, genetics, neurobiology and psychology, this book reimagines architecture capable of influencing and impacting who we are, how we live, what we feel and even how we evolve. Beyond Sustainable provides students and academics with a single comprehensive overview of this architectural reconceptualization, which is grounded in an ecologically inclusive and co-productive understanding of architecture.

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.

Synergistic Design of Sustainable Built Environments introduces and illustrates a novel systems approach that fosters both design excellence and a leap toward a more biocentric (ecologically sustainable) design paradigm. The book provides a deeper understanding of the theories and principles of biocentric design and offers detailed descriptions of the synergistic design process of integrating theories and principles into practice. It also presents extensive thermal and visual built environment design strategies, along with qualitative and quantitative information that designers can use to generate feasible solutions in response to varying climate and occupant comfort. Features: Examines the principles and practices of the synergistic design (a fusion of anthropocentric and biocentric) of sustainable built environments and how they relate to practical applications. Presents climatic data and its analysis along with sun-path diagrams for numerous cities to aid in the design of sustainable built environments in multiple regional contexts. Includes numerous case studies of sustainable built environments in varying climatic zones. Explains how renewable energy (solar, wind, biomass, geothermal, hydro, fuel cells) can be successfully integrated in the built environment. This forward-thinking and highly illustrated book will be an invaluable reference to all those concerned with sustainable built environments and related architectural issues.

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