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Filling a gap in existing literature on sustainable design, this new guide

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introduces and illustrates sustainable design principles through detailed case studies of sustainable buildings in Europe, North America and Australia. The guide will provide the reader with a deeper understanding of the design issues involved in delivering

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sustainable buildings, and giving detailed description of the process of integrating principles into practice. Approximately one hundred case studies of sixty buildings, ranging from small dwellings to large commercial buildings, and drawn from a range

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of countries, demonstrate best current practice. The sections of the book are divided into design issues relating to sustainable development, including site and ecology, community and culture, health, materials, energy and water. With over 400 illustrations, this

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highly visual guide will be an invaluable reference to all those concerned with architecture and sustainability issues.

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small enough to carry anywhere. It distills the data provided in standard architectural volumes and is an easy-to-use reference for the most indispensable--and most requested--types of architectural information.

Over the past century, luxury has

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been increasingly celebrated in the sense that it is no longer a privilege (or attitude) of the European elite or America's leisure class. It has become more ubiquitous and now, practically everyone can experience luxury, even luxury in architecture. Focusing on various contexts

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within Western Europe, Latin America and the United States, this book traces the myths and application of luxury within architecture, interiors and designed landscapes. Spanning from antiquity to the modern era, it sets out six historical categories of

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luxury - Sybaritic, Lucullan,
architectural excess, rustic,
neoEuropean and modern - and
relates these to the built and unbuilt
environment, taking different
cultural contexts and historical
periods into consideration. It
studies some of the ethical

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questions raised by the nature of luxury in architecture and discusses whether architectural luxury is an unqualified benefit or something which should only be present within strict limits. The author argues how the ideas of permissible and impermissible

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luxury have informed architecture and how these notions of ethical approval have changed from one context to another. Providing voluptuous settings for the nobles and the leisure class, luxury took the form of not only grand palaces, but also follies, country and

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suburban houses, private or public entertainment venues and ornate skyscrapers with fast lifts. The Architecture of Luxury proposes that in Western societies the growth of the leisure classes and their desire for various settings for pleasure resulted in a constantly

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increasing level of 'luxury' sought within everyday architecture.

The Routledge Companion for Architecture Design and Practice provides an overview of established and emerging trends in architecture practice. Contributions of the latest research from international experts

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examine external forces applied to the practice and discipline of architecture. Each chapter contains up-to-date and relevant information about select aspects of architecture, and the changes this information will have on the future of the profession. The Companion

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Affordable Housing, Disaster Preparation and Mitigation, Diversity and many more. Each chapter follows the running theme of examining external forces applied to the practice and discipline of architecture in order to uncover the evolving theoretical

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guides, and various types of writers' manuals - and professional writers ought to have many of those books on their bookshelves. But most

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the fish-feeding pavilion of Beijing's Winter Palace—Rasmussen's accessible guide invites us to appreciate architecture not only as

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a profession, but as an art that shapes everyday experience. In the past, Rasmussen argues, architecture was not just an individual pursuit, but a community

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undertaking. Dwellings were built with a natural feeling for place, materials and use, resulting in “a remarkably suitable comeliness.” While we

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cannot return to a former age, Rasmussen notes, we can still design spaces that are beautiful and useful by seeking to understand architecture as an art

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form that must be experienced. An understanding of good design comes not only from one's professional experience of architecture as an

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abstract, individual
pursuit, but also from
one's shared, everyday
experience of
architecture in real
time—its particular use
of light, color, shape,

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scale, texture, rhythm
and sound. Experiencing
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the relationship between
fundamental elements of
architecture through the
ages and across cultural
boundaries. By looking
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Space, and Order encourages the reader to look critically at the built environment and promotes a more evocative understanding of architecture. In

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addition to updates to content and many of the illustrations, this new edition includes a companion CD-ROM that brings the book's architectural concepts

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to life through three-dimensional models and animations created by Professor Ching.

How to Study

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Algorithmic Architecture

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Deleuze and Guattari at
the Horizon of the Real
From Agit-prop to Free
Space

Portuguese Architecture
Architecture Design Notebook focuses on
the process of design as pragmatic and non-

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theoretical. Dealing systematically with the core design curriculum, it clearly demonstrates the skills required for designing at undergraduate level. Providing students with fundamental maxims of design, and a framework within which they can approach their work, this book supports undergraduates as they learn to

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produce solutions to design challenges. This vital design companion underpins the cornerstone of an architectural undergraduates' studies - studio design projects. With over 100 sketches included, the book inspires student's design ideas. This updated edition includes new sections on green architecture, urban space

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typology, and the virtual building. A. Peter Fawcett is an architect and critic who combines teaching with sporadic practice; he is currently Professor Emeritus of Architecture at the University of Nottingham and visiting Professor at the University of Lincoln. In recent years his work has been placed in architectural

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competitions and has been hung at the Royal Academy and Royal Ulster Academy.

Ethics is one of the most important and least understood aspects of design practice. In his latest book, Thomas Fisher shows how ethics are inherent to the making of architecture – and how architecture offers

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an unusual and useful way of looking at ethics. The Architecture of Ethics helps students in architecture and other design disciplines to understand the major approaches to ethics and to apply them to the daily challenges they face in their work. The book covers each of the four dominant approaches to ethics: virtue

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ethics, social contract ethics, duty ethics, and utilitarian ethics. Each chapter examines the dilemmas designers face from the perspective of one of these categories. Written in an accessible, jargon-free style, the text also features 100 illustrations to help integrate these concepts into the design process and to

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support visual understanding. Ethics is now a required part of accredited architecture programs, making this book essential reading for all students in architecture and design.

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Cedric Price proposed radically new concepts of architecture and redefined the ways in which the architect might enhance

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human life, extend human potential and promote social change. Price perceived architectural possibilities amidst the apparent cultural anarchy of post-war Britain where many pundits and social critics saw only the waning of an old order. Forsaking tradition, he dealt with variable structures, firmly believing in

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impermanent constructions designed for continual change; that architecture should "enable people to think the unthinkable".

From Agit-Prop to Free Space: The Architecture of Cedric Price tells the story of Price's architecture, how his thinking expressed the changing character of life and society, and how his work has shaped

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architectural discourse today. It focuses specifically on two of Price's major unrealised works. The Fun Palace and The Potteries Thinkbelt. Not buildings in any conventional sense, these two projects were instead socially interactive machines, highly adaptable to the shifting conditions of their time and place. From Agit-Prop to

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Free Space is the result of extensive research based on vast quantities of unpublished archive material, including letters, memos, notes, drawings and interviews. It paints a portrait of an architect who was a true radical, and who overturned conventional ideas of what architecture means, having a major impact

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on architecture across the world from
Japanese Metabolism to High-Tech.

The Architecture Concept Book

Freeing Architecture

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The Modern Interior

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Subjectivity reformulates the French philosopher Gilles Deleuze's model of subjectivity for architecture, by surveying the prolific effects of architectural encounter, and the spaces that figure in them. For Deleuze and

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his Lacanian collaborator Félix Guattari, subjectivity does not refer to a person, but to the potential for and event of matter becoming subject, and the myriad ways for this to take place. By extension, this book

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theorizes architecture as a self-actuating or creative agency for the liberation of purely "impersonal effects." Imagine a chemical reaction, a riot in the banlieues, indeed a walk through a city. Simone Brott declares that

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the architectural object does not merely take part in the production of subjectivity, but that it constitutes its own. This book is to date the only attempt to develop Deleuze's philosophy of subjectivity in singularly

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architectural terms. Through a screening of modern and postmodern, American and European works, this provocative volume draws the reader into a close encounter with architectural interiors, film

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scenes, and other arrangements, while interrogating the discourses of subjectivity surrounding them, and the evacuation of the subject in the contemporary discussion. The impersonal effects of architecture

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radically changes the methodology, just as it reimagines architectural subjectivity for the twenty-first century.

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Aldo Rossi was a
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leader of the Italian

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architectural movement La
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most influential theorists
of the twentieth century.
The Architecture of the
City is his major work of
architectural and urban

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theory. In part a protest against functionalism and the Modern Movement, in part an attempt to restore the craft of architecture to its position as the only valid object of

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architectural study, and in part an analysis of the rules and forms of the city's construction, the book has become immensely popular among architects and design students.

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Inspired by the complexity and heterogeneity of the world around us, and by the rise of new technologies and their associated behaviors, The Architecture Concept Book

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seeks to stimulate young architects and students to think outside of what is often a rather conservative and self-perpetuating professional domain and to be

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influenced by everything around them. Organized thematically, the book explores thirty- five architectural concepts, which cover wide- ranging topics not always

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typically included in the study of architecture. James Tait traces the connections between concepts such as familiarity, control, and memory and basic

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architectural components such as the entrance, arch, columns, and services, to social phenomena such as gathering and reveling, before concluding with

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texts on shelter,
relaxing, and working.
Even in this digital age,
Tait insists that "we must
always think before we
design. We must always
have a reason to

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build." Each theme is accompanied by photographs, plans, and illustrations specially drawn by the author to explain spatial ideas, from the small scale to

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the urban.

Annotation Technology's
influence on privacy has
become a matter of
everyday concern for
millions of people, from
software architects

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designing new products to political leaders and consumer groups. This book explores the issue from the perspective of technology itself: how privacy-protective

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features can become a core part of product functionality, rather than added on late in the development process.

The Routledge Companion for Architecture Design

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useful for practicing
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All-Inclusive Engagement in Architecture

Understanding Sustainable
Architecture is a review of the
assumptions, beliefs, goals and
bodies of knowledge that
underlie the endeavour to design

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(more) sustainable buildings and other built developments. Much of the available advice and rhetoric about sustainable architecture begins from positions where important ethical, cultural and conceptual

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issues are simply assumed. If sustainable architecture is to be a truly meaningful pursuit then it must be grounded in a coherent theoretical framework. This book sets out to provide that framework. Through a series of

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self-reflective questions for designers, the authors argue the ultimate importance of reasoned argument in ecological, social and built contexts, including clarity in the problem framing and linking this framing to

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demonstrably effective actions. Sustainable architecture, then, is seen as a revised conceptualisation of architecture in response to a myriad of contemporary concerns about the effects of human activity. The

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aim of this book is to be transformative by promoting understanding and discussion of commonly ignored assumptions behind the search for a more environmentally sustainable approach to development. It is

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argued that design decisions must be based on both an ethical position and a coherent understanding of the objectives and systems involved. The actions of individual designers and appropriate broader policy

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settings both follow from this understanding.

Structure As Architecture provides readers with an accessible insight into the relationship between structure and architecture, focusing on the

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design principles that relate to both fields. Over one hundred case studies of contemporary buildings from countries across the globe including the UK, the US, France, Germany, Spain, Hong Kong and Australia are

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interspersed throughout the book. The author has visited and photographed each of these examples and analyzed them to show how structure plays a significant architectural role, as well as bearing loads. This is a

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highly illustrated sourcebook, providing a new insight into the role of structure, and discussing the point where the technical and the aesthetic meet to create the discipline of ' architecture ' .

Why does the word design owe

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its origin to Latin and not Greek roots? Where do the limits of the human mind lie? How does ambiguity enter the deterministic world of computation? Who was Parmenides and why is his philosophy still puzzling today?

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This unique volume challenges the reader to tackle all these complex questions and more. Algorithmic Architecture is not a typical theory-based architectural book; it is not a computer programming or language tutorial

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book either. It contains a series of provocative design projects, and yet it is not just a design or graphic art book per se.

Following the tradition of architecture as a conglomeration of various design fields -

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engineering, theory, art, and recently, computation - the challenge of this book is to present a concept that, like architecture, is a unifying theme for many diverse disciplines. An algorithm is not only a step-by-

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step problem-solving procedure, a series of lines of computer codes or a mechanistic linguistic expression, but is also an ontological construct with deep philosophical, social, design, and artistic repercussions.

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Consequently, this book presents many, various and often seemingly disparate points of view that lead to the establishment of one common theme; algorithmic architecture. An account of the birth and

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translated from the French by
Walter Armstrong.

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Safeguards

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Towards the Future of Social
Change

The Fundamentals of Architecture, 2nd
Edition is an introduction to the basic

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ideas that inform architecture. It is intended to unravel the complexity of architecture to explain its process and make it more accessible. It guides students through the rich history of the discipline, and introduces aspects of contemporary theory and practice. The book explores the process of architecture starting from the

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initial ideas and concepts, and how these ideas are informed by understanding site and context. It examines the impact of the physical environment and the historical ideas that have informed and influenced the architectural solution. The second edition has been redesigned and updated with new material, including six case

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studies, exercise sections and contemporary visuals from students and leading architects.

Concise lessons in design, drawing, the creative process, and presentation, from the basics of “How to Draw a Line” to the complexities of color theory. This is a book that students of architecture will

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want to keep in the studio and in their backpacks. It is also a book they may want to keep out of view of their professors, for it expresses in clear and simple language things that tend to be murky and abstruse in the classroom. These 101 concise lessons in design, drawing, the creative process, and presentation—from the basics

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of "How to Draw a Line" to the complexities of color theory—provide a much-needed primer in architectural literacy, making concrete what too often is left nebulous or open-ended in the architecture curriculum. Each lesson utilizes a two-page format, with a brief explanation and an illustration that can

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range from diagrammatic to whimsical. The lesson on "How to Draw a Line" is illustrated by examples of good and bad lines; a lesson on the dangers of awkward floor level changes shows the television actor Dick Van Dyke in the midst of a pratfall; a discussion of the proportional differences between traditional and

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modern buildings features a drawing of a building split neatly in half between the two. Written by an architect and instructor who remembers well the fog of his own student days, *101 Things I Learned in Architecture School* provides valuable guideposts for navigating the design studio and other classes in the architecture

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curriculum. Architecture graduates—from young designers to experienced practitioners—will turn to the book as well, for inspiration and a guide back to basics when solving a complex design problem. Keep up your good drawing skills with this personal creative space. This simple but cool design sketchbook will be your

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mobile studio where you can initiate your projects, write down any inspiration, draw things and people you see, draft your project, or even plan your daily tasks, anywhere and anytime. With the 6x9 inches in size, it is portable and easy to put in your bag. It will also be a perfect gift for those architect students or professors.

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Following on from Graham Bizley's
successful *Architecture in Detail*,
Architecture in Detail II presents 40 case
studies of detailing on recent construction
projects. Over 150 full colour drawings

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and photos provide a reference compendium for the professional architect seeking detailing inspiration. Originally featured in Building Design's In Detail magazine, the included projects represent some of the most interesting and innovative techniques in recent architecture. Graham Bizley's beautifully

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presented detail drawings allow the architect to easily see how ideas and techniques can be applied to other projects. The book is organised by building type for quick and easy reference.

A Visual Dictionary of Architecture
Architecture for a Free Subjectivity
Structure As Architecture

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Gothic Architecture

A Theory of Architecture

Lightness, transparency, simplicity, and communion with nature are Japanese architect Junya Ishigami's watchwords. In his architectural masterworks, which he compares to landscapes, he eliminates

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the boundaries between exterior and interior space. For the Fondation Cartier pour l'art contemporain, Junya Ishigami designed an exhibition that reveals, on an unprecedented scale, his latest research into freedom, fluidity, and the future of architecture. On the occasion of this

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exhibition, presented from March 30 to September 9, 2018, the Fondation Cartier will publish a book retracing the genesis of the project, including mixed photographs, drawings, models, and all the poetry inherent to Ishigami's work. Today ' s home is filled with pieces from

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Pottery Barn, IKEA, and Crate & Barrel, and we pore over glossy catalogs in hopes of achieving the “ modern interior. ” This idealized aesthetic is the subject of Penny Sparke ’ s study, as she explores the style in both its absolute form and the diverse decorating

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approaches seen in the contemporary home. The shift from Victorian to modern style, *The Modern Interior* reveals, was not as simple and smooth as it is often perceived and the book probes the complicated history behind that transition. Sparke examines the work of

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such designers as Marcel Breuer, Frank Lloyd Wright, Charles and Ray Eames, and Mies van der Rohe, and draws upon design examples from the United States and Europe to reveal that, unlike the designed exteriors of buildings and institutions, the idea of the “ interior ”

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has been a largely abstract conception promoted through exhibitions, retail stores, and mass media. A comprehensive and in-depth investigation of the design environments we live and play in, *The Modern Interior* will be essential reading for all scholars

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and interested observers of architecture and modern design culture.

'Structure and Architecture' is an essential textbook for students and practitioners of architecture and structural engineering. MacDonald explains the basic principles of structure

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and describes the ranges of structure types in current use. Furthermore, the book links these topics directly with the activity of architectural design and criticism. An update of the first edition, 'Structure and Architecture 2ed' includes a revised opening chapter, and a new

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section that discusses prominent buildings constructed since the last edition was published in 1994. Angus MacDonald deals with structures holistically, relating detailed topics back to the whole structure and building. He aims to answer the questions: What are

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architectural structures? How does one define the difference between the structure of a building and all of the other components and elements of which it consists? What are the requirements of structures? What is involved in their design? An

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understanding of the concepts involved in answering these questions and an appreciation of how the structure of a building functions enhances the ability of an individual to appreciate its architectural quality. This book is unique in that it discusses the structural

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component of architectural design in the context of visual and stylistic issues.

More than a decade in the making, this is a textbook of architecture, useful for every architect: from first-year students, to those taking senior design studio, to graduate students writing a Ph.D.

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dissertation in architectural theory, to experienced practicing architects. It is very carefully written so that it can be read even by the beginning architecture student. The information contained here is a veritable gold mine of design techniques. This book teaches the reader

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how to design by adapting to human needs and sensibilities, yet independently of any particular style. Here is a unification of genuine architectural knowledge that brings a new clarity to the discipline. It explains much of what people instinctively know about

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architecture, and puts that knowledge for the first time in a concise, understandable form. Dr. Salingaros has experience in the organization of the built environment that few practicing architects have. The later chapters of this new book touch on very sensitive topics:

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what drives architects to produce the forms they build; and why architects use only a very restricted visual vocabulary. Is it personal inventiveness, or is it something more, which perhaps they are not even aware of? There has not been such a book treating the very essence of

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architecture. The only other author who is capable of raising a similar degree of passion (and controversy) is Christopher Alexander, who happens to be Dr. Salingaros ' friend and architectural mentor. " Surely no voice is more thought-provoking than that of this

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intriguing, perhaps historically important, new thinker? ” From the Preface by His Royal Highness, Charles, The Prince of Wales “ A New Vitruvius for 21st-Century Architecture and Urbanism? ” Dr. Ashraf SalamaChair, Department of Architecture and Urban

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Planning, Qatar University, Doha, Qatar

“ Architecture, Salingaros argues, is governed by universal and intuitively understood principles, which have been exemplified by all successful styles and in all civilizations that have left a record of themselves in their buildings. The

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solution is not to return to the classical styles... the solution is to return to first principles and build within their constraints... ” Dr. Roger Scruton
Philosopher, London, UK “ A
fundamental text, among the most
significant of the past several years. ” Dr.

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Vilma Torselli Architect and Author,
Milan, Italy “ A Theory of Architecture
demonstrates how mathematics and the
social sciences offer keys to designing a
humane architecture. In this brilliant
tome Salingeros explains why many
modern buildings are neither beautiful

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nor harmonious and, alternatively, how architects and patrons can employ scale, materials and mathematical logic to design structures which are exciting, nourishing, and visually delightful. ”
Duncan G. Stroik Professor of
Architecture, University of Notre Dame,

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Indiana “ Salingaros explores ways to clarify and formalize our understanding of aesthetic forms in the built environment, using mathematics, thermodynamics, Darwinism, complexity theory and cognitive sciences. Salingaros ’ remarkable

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observations suggest that concepts of complexity and scale can someday provide a full-bodied explanation for both the practice and the appreciation of architecture. ” Kim Sorvig Architecture & Planning, University of New Mexico
See this book ' s Wikipedia entry <http://>

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en.wikipedia.org/wiki/A_Theory_of_Architecture Nikos A. Salingaros is an internationally known urbanist and architectural theorist who has studied the scientific bases underlying architecture for thirty years. Utne Reader ranked him as “ One of 50 visionaries who are

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changing your world ” , and Planetizen as 11th among “ The top 100 urban thinkers of all time ” . He is Professor of Mathematics at the University of Texas at San Antonio.

Changing Spatial Transitions Between
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The Architecture of Privacy
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practicing architect draws on his

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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

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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

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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

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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?

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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

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matters more, and to more of us,
than ever.

Daylighting offers a general theory
and introduction to the use of
natural light in architecture. The
fourth of Derek Phillip's lighting
books draws on his experience to

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illustrate how best to bring natural light into building design. As sustainability becomes a core principal for designers, daylighting comes to the fore as an alternative to artificial, energy consuming, light. Here, Phillips makes a rational

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argument for considering daylight first, outlining the arguments in favour of a daylight approach, and goes on to show, through a series of beautifully illustrated case studies, how architects have created buildings in which natural

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light has been shown to play a major strategic role in the development of the design of a building.

The question of what architecture is answered in this book with one sentence: Architecture is space

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created for human activities. The basic need to find food and water places these activities within a larger spatial field. Humans have learned and found ways to adjust to the various contextual difficulties that they faced as they roamed the

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earth. Thus rather than adapting, humans have always tried to change the context to their activities. Humanity has looked at the context not merely as a limitation, but rather as a spatial situation filled with opportunities

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that allows, through intellectual interaction, to change these limitations. Thus humanity has created within the world their own contextual bubble that firmly stands against the larger context it is set in. The key notion of the book is

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that architecture is space carved
out of and against the context and
that this process is deterministic.
The Architects Guide to Writing
Gibbs' Book of Architecture
Toward an Architecture
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Form, Space, and Order