

The Architecture Of The Well Tempered Environment

"The Architecture of Persistence argues that continued human use is the ultimate measure of sustainability in architecture, and that expanding the discourse about adaptability to include continuity as well as change offers the architectural manifestation of resilience. Why do some buildings last for generations as beloved and useful places, while others do not? How can designers today create buildings that remain useful into the future? While architects and theorists have offered a wide range of ideas about building for change, this book focuses on persistent architecture: the material, spatial, and cultural processes that give rise to long-lived buildings. Organized in three parts, this book examines material longevity in the face of constant physical and cultural change, connects the dimensions of human use and contemporary program, and discusses how time informs the design process. Featuring dozens of interviews with people who design and use buildings, and the close analysis of over a hundred historic and contemporary projects, the principles of persistent architecture introduced here address urgent challenges for contemporary practice while pointing towards a more sustainable built environment in the future. The Architecture of Persistence: Designing for Future Use offers practitioners, students, and scholars a set of principles and illustrative precedents exploring architecture's unique ability to connect an instructive past, a useful present, and an unknown future"--

Structure As Architecture provides readers with an accessible insight into the relationship between structure and architecture, focusing on the 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 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 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'. The Architecture of the Well-Tempered Environment presents the fundamental aspects of the architecture of the well-tempered environment. This book considers what architects had taken to be the proper use and exploitation of mechanical environmental controls, and shows how this had manifested itself in the design of their buildings. Organized into 12 chapters, this book begins with an overview of the history of the mechanization of environmental management. This text then explains the accumulation of capital goods and equipment needed to produce a moderate level of civilized culture in pre-technological societies, which requires that building materials be treated as if valuable and permanent. Other chapters consider that it is necessary not only to create habitable environments, but to conserve them. This book discusses as well the kind of technology of environment in the 19th century. The final chapter deals with the liberation of architecture from the ballast of structure. This book is a valuable resource for architects.

The firm of Delano & Aldrich occupied a central place in the United States in the first half of the twentieth century, substantially shaping the architectural climate of the period.

A practical introduction to architecture for aspiring teen architects Architecture is a fascinating, diverse field that blends technology, creativity, engineering, and even psychology. Discover the possibilities with this in-depth choice in architecture books for teens. Delve into the world of architecture, learn about recent innovations in sustainability and inclusivity, and uncover the details behind real architectural projects. Explore an overview of architectural movements and designers from prehistory to modern-day, and check out inspiring interviews with working professionals. With tons of practical advice for pursuing a career, you'll find out how you can become an architect and help build an environmentally responsible world from the ground up! Go beyond other architecture books for teens with: Architecture essentials--Get to know the five basic elements of architecture: structure, program, economics, aesthetics, and region. Creative career options--Learn what it means to work in residential or industrial architecture, specialize in historic preservation, create landscapes, innovate in urban planning, and more. Real-world examples--Go behind the scenes on real architectural projects with colorful illustrations, breakdowns of the design process, and thoughtful examinations of their impact. Learn all about the role of an architect with this comprehensive selection in architecture books for teens.

Aldo Rossi was a practicing architect and leader of the Italian architectural movement La Tendenza and one of the most influential theorists of the twentieth century. *The Architecture of the City* is his major work of architectural and urban 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 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.

"A documentation of over 100 major architectural projects in the Middle East from 2000 through 2009"--

For centuries, men and women have sought to express beauty in architecture and art. But, it is only recently that neuroscience has helped determine how and why beauty plays such an important role in our lives. Founded on a series of lectures architect Donald H. Ruggles has given over the past ten years, *Beauty, Neuroscience and Architecture: Timeless Patterns and Their Impact on Our Well-Being* postulates that beauty can and does make a vital difference in our lives, including improving many aspects of our health. In this volume, Ruggles suggests that a new, urgent effort is needed to refocus the direction of architecture and art to include the quality of beauty as a fundamental, overarching theme in two of humanity's most important fields of endeavor--the built and artistic environments. "Since the beginning of time," Ruggles notes, people have "looked for certain patterns and a balance of space. . . . There is a deep-seated need for beauty and when that need is filled, a sense of safety and comfort is created." In *Beauty, Neuroscience and Architecture* Ruggles draws on more than fifty years of architectural experience to delve into the forces behind the transformative emotion of beauty. Focusing on new discoveries in the science of the mind and neuroscience, as well as recent developments in -fractal geometry theory, microbiology, and psychology, Ruggles leads the reader on a journey through architectural and art history to discover the importance of patterns in our perception of beauty--and its emotional content.

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.

Architecture and Health recognizes the built environment and health as inextricable encouraging a new mind-set for the profession. Over 40 international award-winning projects are included to explore innovative design principles linked to health outcomes. The book is organized into three interdependent health domains—individual, community, and global—in which each case study proposes context-specific architectural responses. Case studies include children's hospitals, rehabilitation facilities, elderly housing, mental health facilities, cancer support centers, clinics, healthy communities, healthcare campuses, wellness centers, healing gardens, commercial offices, infrastructure for developing countries, sustainable design, and more. Representing the United States, Africa, Asia, Europe, and Australia, each author brings a new perspective to health and its related architectural response. This book brings a timely focus to a subject matter commonly constricted by normative building practices and transforms the dialogue into one of creativity and innovation. With over 200 color images, this book is an essential read for architects, designers, and students to explore and analyze designed environments that promote health and well-being.

In the 21st century, Norway, Denmark and Sweden remain the icons of fair societies, with high economic productivity and quality of life. But they are also an enigma in a cultural-evolutionary sense: though by no means following the same socio-economic formula, they are all cases of a "non-hubristic", socially sustainable modernity that puzzles outside observers. Using Nordic welfare states as its laboratory, Sustainable Modernity combines evolutionary and socio-cultural perspectives to illuminate the mainsprings of what the authors call the "well-being society". The main contention is that the Nordic uniqueness is not merely the outcome of one particular set of historical institutional or political arrangements, or sheer historical luck; rather, the high welfare creation inherent in the Nordic model has been predicated on a long and durable tradition of social cooperation, which has interacted with global competitive forces. Hence the socially sustainable Nordic modernity should be approached as an integrated and tightly orchestrated ecosystem based on a complex interplay of cooperative and competitive strategies within and across several domains: normative-cultural, socio-political and redistributive. The key question is: Can the Nordic countries uphold the balance of competition and cooperation and reproduce their resilience in the age of globalization, cultural collisions, the digital economy, the

fragmentation of the work/life division, and often intrusive EU regulation? With contributors providing insights from the humanities, the social sciences and evolutionary science, this book will be of great interest to students and scholars of political science, sociology, history, institutional economics, Nordic studies and human evolution studies.

"Significant architectural movements, biographies of famous architects and in-depth examinations of their masterpieces. See how and why certain features were common during specific time periods and how these buildings have stood the test of time. Unique specially-commissioned CGI artworks throughout the book showcase more than 10 specific buildings, including The Pantheon and the White House"--Publisher's description.

An exploration of the history and significance of the architectural survey drawing through focused studies on John Soane, Charles Robert Cockerell, Detmar Blow, Louis-Hippolyte Lebas, Henri Labrouste, Eugène Viollet-le-Duc, and Peter Märkli. When architects visit a building and want to record or identify what they see, they take out a bundle of folded sheets in search of a blank piece of paper. These sheets may be ground plans, diagrams, sketches, or ordnance maps. In one way or another, all are survey drawings, operating as both documentation and analysis, enabling an architect to examine certain conditions of the built environment, whether geometric, relational, material, or technical. This book explores the history of the survey and its multiple forms in order to understand how the methods of recording what already exists can also be used to imagine what might be. Lavishly illustrated, with works from the collection of Drawing Matter and beyond, it addresses the multiple forms of the survey through focused studies--on John Soane (1753-1837), Charles Robert Cockerell (1788-1863), and Detmar Blow (1867-1939); French architects Louis-Hippolyte Lebas (1782-1867), Henri Labrouste (1801-75), and Eugène Viollet-le-Duc (1814-79); and Swiss-based Peter Märkli (born 1953)--and an extensive section of plates with commentaries by contemporary architects. In doing so, it maintains that while all surveys begin with the site, the outcomes are as idiosyncratic as their authors--and their methods have much to offer as tools in design practice. Survey is the first volume of Architecture Iconographies, a series that considers architecture through its typologies and unique approaches to drawing, aiming to open up further possibilities for their contemporary use in design and teaching. The series is published in collaboration with Drawing Matter, based in Somerset, England, which is committed to exploring the role of drawing in architectural thought and practice.

After critiquing—and infuriating—the art world with *The Painted Word*, award-winning author Tom Wolfe shared his less than favorable thoughts about modern architecture in *From Bauhaus to Our Haus*. In this examination of the strange saga of twentieth century architecture, Wolfe takes such European architects as Ludwig Mies van der Rohe, Le Corbusier, and Bauhaus art school founder Walter Gropius to task for their glass and steel box designed buildings that have influenced—and infected—America's cities.

Bestselling author Alain de Botton considers how our private homes and public edifices influence how we feel, and how we could build dwellings in which we would stand a better chance of happiness. In this witty, erudite look at how we shape, and are shaped by, our surroundings, Alain de Botton applies Stendhal's motto that "Beauty is the promise of happiness" to the spaces we inhabit

daily. Why should we pay attention to what architecture has to say to us? de Botton asks provocatively. With his trademark lucidity and humour, de Botton traces how human needs and desires have been served by styles of architecture, from stately Classical to minimalist Modern, arguing that the stylistic choices of a society can represent both its cherished ideals and the qualities it desperately lacks. On an individual level, de Botton has deep sympathy for our need to see our selves reflected in our surroundings; he demonstrates with great wisdom how buildings — just like friends — can serve as guardians of our identity. Worrying about the shape of our sofa or the colour of our walls might seem self-indulgent, but de Botton considers the hopes and fears we have for our homes at a new level of depth and insight. When shopping for furniture or remodelling the kitchen, we don't just consider functionality but also the major questions of aesthetics and the philosophy of art: What is beauty? Can beautiful surroundings make us good? Can beauty bring happiness? The buildings we find beautiful, de Botton concludes, are those that represent our ideas of a meaningful life. The Architecture of Happiness marks a return to what Alain does best — taking on a subject whose allure is at once tantalizing and a little forbidding and offering to readers a completely beguiling and original exploration of the subject. As he did with Proust, philosophy, and travel, now he does with architecture.

Tells the forgotten but surprising stories of the many handsome and significant buildings in downtown Troy, New York. Located about 150 miles north of Manhattan, on the east bank of the Hudson River, the city of Troy, New York, was once an industrial giant. It led the nation in iron production throughout much of the nineteenth century, and its factories turned out bells and cast-iron stoves that were sold the world over. Its population was both enterprising and civic-minded. Along with Troy's economic success came the public, commercial, educational, residential, and religious buildings to prove it. Stores, banks, churches, firehouses, and schools, both modest and sophisticated, sprouted up in the latest architectural styles, creating a lively and fashionable downtown. Row houses and brownstones for the middle class and the wealthy rivaled those in Brooklyn and Manhattan. By the mid-twentieth century, however, Troy had dwindled in both prominence and population. Downtown stagnated, leaving building facades and interiors untouched, often for decades. A late-blooming urban-renewal program demolished many blocks of buildings, but preservationists fought back. Today, reinvestment is accelerating, and Troy now boasts what the New York Times has called "one of the most perfectly preserved nineteenth-century downtowns in the United States." This book tells the stories behind the many handsome and significant buildings in downtown Troy and how they were designed and constructed—stories that have never been pulled together before. For the first time in generations, scores of Troy buildings are again linked with their architects, some local but others from out of town (the "starchitects" of their day) and even from Europe. In addition to numerous historic images, the book also includes contemporary photographs by local photographer Gary Gold. This book will inform, delight, and surprise readers, thereby helping to build an educated constituency for the preservation of an important American city. "Diana Waite has labored long to bring us the architectural history of Troy, which is said to have one of the most perfectly preserved downtowns in the United States. Great architects designed some of the city's impressive buildings—Richard Upjohn, Leopold Eidlitz, Marcus T. Reynolds; but so did architects fairly early in their careers—such as George B. Post, who did the iconic flatiron Hall building on First

Street, and the very visible Troy Savings Bank Music Hall. The book is also a wistful tour of the lost past—truly magnificent structures and sumptuous interiors that fell to the wrecking ball. And here are the stories behind major landmarks—such as the Approach staircase up to RPI (or down to Troy); the struggle to raise a monument at the center of the city to Troy’s fallen soldiers from three wars; and the complex installation of six major Tiffany windows in St. Paul’s Episcopal Church. The book is abundantly illustrated, with maps, and written in lively narrative style. Ms. Waite often quotes newspaper accounts of construction as it was happening, which vivifies her history.” — William Kennedy “Urban economist Edward L. Glaeser proclaims cities the triumph of humanity, both the ultimate expression of human culture and the engine that has propelled human progress. In this insightful and beautifully illustrated book, Diana Waite tells the story of one exceptional, mostly nineteenth-century example: Troy, New York. Troy is a rare gem, largely unspoiled by the forces that turned so many of America’s towns into wastelands of asphalt. As architects, planners, and policymakers struggle to define a twenty-first-century world that kicks the habits of our fossil-fuel-addicted modernity, that rediscovers how to make places for people, that builds strong communities, studying places like Troy takes on entirely new relevance. The Architecture of Downtown Troy paints a picture of the evolution of a historic town that provides valuable lessons for building the world of tomorrow.” — Carl Elefante, 2018 President, The American Institute of Architects “Diana Waite’s history of Troy’s downtown buildings describes the importance and diversity of this city’s distinctive architecture. Her clear narrative of Troy’s nineteenth-century growth, fires, early twentieth-century expansion, and its engagement of nationally recognized architects is excellent and supported by voluminous photographs. Troy is fortunate that twentieth-century ‘urban renewal’ occurred in a corner of the central business district, leaving intact so much of the city’s well-designed commercial, educational, and residential buildings. This new book presents an accurate, readable, and cohesive history of Troy. It is a must read.” — Matthew Bender IV “The pleasure of Troy isn’t discovering a single old building, but finding yourself lost among dozens of them. You may feel as if it were 1880, and you were strolling home to Washington Park, perhaps just for a change of collar.” — New York Times

The Architecture of Trees is a legendary and unsurpassed botanical masterwork. This lavish large-format volume features more than 400 exquisite quill-pen illustrations of 211 tree species. Each is drawn to a scale of 1:100, with and without foliage, complete with tables of seasonal color variations and projections of shadows cast during the hours of daylight and season by season. L'Architettura degli Alberi, first published in 1982, has been out of print for two decades. This is the first English language edition of a landmark study that took more than twenty years to complete. This gorgeous book is an essential addition to the library of architects, designers, botanists, and anyone fascinated by trees and by nature in all its varieties.

'Structure and Architecture' is an essential textbook for students and practitioners of architecture and structural engineering. MacDonald explains the basic principles of structure 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 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 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 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 component of architectural design in the context of visual and stylistic issues.

How climate influenced the design strategies of modernist architects *Modern Architecture and Climate* explores how leading architects of the twentieth century incorporated climate-mediating strategies into their designs, and shows how regional approaches to climate adaptability were essential to the development of modern architecture. Focusing on the period surrounding World War II—before fossil-fuel powered air-conditioning became widely available—Daniel Barber brings to light a vibrant and dynamic architectural discussion involving design, materials, and shading systems as means of interior climate control. He looks at projects by well-known architects such as Richard Neutra, Le Corbusier, Lúcio Costa, Mies van der Rohe, and Skidmore, Owings, and Merrill, and the work of climate-focused architects such as MMM Roberto, Olgay and Olgay, and Cliff May. Drawing on the editorial projects of James Marston Fitch, Elizabeth Gordon, and others, he demonstrates how images and diagrams produced by architects helped conceptualize climate knowledge, alongside the work of meteorologists, physicists, engineers, and social scientists. Barber describes how this novel type of environmental media catalyzed new ways of thinking about climate and architectural design. Extensively illustrated with archival material, *Modern Architecture and Climate* provides global perspectives on modern architecture and its evolving relationship with a changing climate, showcasing designs from Latin America, Europe, the United States, the Middle East, and Africa. This timely and important book reconciles the cultural dynamism of architecture with the material realities of ever-increasing carbon emissions from the mechanical cooling systems of buildings, and offers a historical foundation for today's zero-carbon design.

Discusses Web site hierarchy, usability, navigation systems, content labeling, configuring search systems, and managing the information architecture development process.

DIV 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. /divDIV /divDIV 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. /divDIV /divDIV This comprehensive learning tool is the one book you'll want as a staple in your library. /divDIV /div

Railway buildings have always had a fascinating character all of their own, despite many no longer being in operational railway service. This book tells the story of how these buildings evolved alongside the development of the railway in Great Britain and examines how architects over the years have responded to the operational, social and cultural influences that define their work. Written for those with a keen interest in architecture and the railway, as well as those new to the subject, *The Architecture and Legacy of British Railway Buildings* provides an unique insight into the production of railway architecture, both in the context of railway management and the significant periods of ownership, and the

swings in national mood for railway-based transportation. As well as tracing its history, the authors take time to consider the legacy these buildings have left behind and the impact of heritage on a continually forward-looking industry. Topics covered include: the context of railway architecture today; the history of how it came into existence; the evolution of different railway building types; the unique aspects of railway building design, and finally, the key railway development periods and their architectural influences.

With fifteen essays by scholars and professionals, from fields such as policy and law, Health and Well-being for Interior Architecture asks readers to consider climate, geography, and culture alongside human biology, psychology, and sociology. Since designers play such a pivotal role in human interaction with interior and architectural design, this book sheds light on the importance of a designer's attention to health and well-being while also acknowledging the ever changing built environment. Through various viewpoints, and over 30 images, this book guides designers through ways to create and develop interior designs in order to improve occupants' health and well-being.

This important work, now available in paperback, from Professor Geoffrey Broadbent, provides a clear analysis of the nature of many of today's design problems, identifying their causes in history and suggesting a basis for co-ordinated solutions. The author discusses 'picturesque' and 'formal' tendencies in modern architecture, relating them to parallels between philosophic thought and design theory through the ages. Using a wealth of international examples from around the world including America, UK, Italy, Germany and France and with over 250 photographs and illustrations, *Emerging Concepts in Space Design* offers a fascinating insight into the history and likely future directions of urban design.

Forthcoming from the MIT Press

A tour of the approximately twenty styles of domestic architecture common to the United States identifies and defines each style--including Colonial, Craftsman, Modern, and Deco--providing historical summaries, sample photographs, and regional information. 20,000 first printing.

Renowned architectural illustrator Thomas W. Schaller has revised and expanded his classic volume *Architecture in Watercolor*, now in paperback. Winner of the AIA's Citation for Excellence, *Architecture in Watercolor* is the acclaimed bestselling guide to the increasingly popular medium of watercolor, unparalleled in its drama, subtlety, and emotional power. With the addition of the thorough discussion of modern uses of watercolor, this book remains the preeminent authority in the field.

Leon Krier is one of the best-known—and most provocative—architects and urban theoreticians in the world. Until now, however, his ideas have circulated mostly among a professional audience of architects, city planners, and academics. In *The Architecture of Community*, Krier has reconsidered and expanded writing from his 1998 book *Architecture: Choice or Fate*. Here he refines and updates his thinking on the making of sustainable, humane, and attractive villages, towns, and cities. The book includes drawings, diagrams, and photographs of his built works, which have not been widely seen until now. With three new chapters, *The Architecture of Community* provides a contemporary road map for designing or completing today's fragmented communities. Illustrated throughout with Krier's original drawings, *The Architecture of*

Community explains his theories on classical and vernacular urbanism and architecture, while providing practical design guidelines for creating livable towns. The book contains descriptions and images of the author's built and unbuilt projects, including the Krier House and Tower in Seaside, Florida, as well as the town of Poundbury in England. Commissioned by the Prince of Wales in 1988, Krier's design for Poundbury in Dorset has become a reference model for ecological planning and building that can meet contemporary needs.

Encyclopedic in its coverage, this seminal work focuses on the architecture of Prague from the turn of the century to the end of the Second World War: a rich matrix within which to place the figures who created the powerful, innovative spirits of modern Czech architecture. The book documents the architects, structures, and theoretical underpinnings that helped to shape Prague's cultural heritage and present-day artistic spirit.

The Routledge Companion to Women in Architecture illuminates the names of pioneering women who over time continue to foster, shape, and build cultural, spiritual, and physical environments in diverse regions around the globe. It uncovers the remarkable evolution of women's leadership, professional perspectives, craftsmanship, and scholarship in architecture from the preindustrial age to the present. The book is organized chronologically in five parts, outlining the stages of women's expanding engagement, leadership, and contributions to architecture through the centuries. It contains twenty-nine chapters written by thirty-three recognized scholars committed to probing broader topographies across time and place and presenting portraits of practicing architects, leaders, teachers, writers, critics, and other kinds of professionals in the built environment. The intertwined research sets out debates, questions, and projects around women in architecture, stimulates broader studies and discussions in emerging areas, and becomes a catalyst for academic programs and future publications on the subject. The novelty of this volume is in presenting not only a collection of case studies but in broadening the discipline by advancing an incisive overview of the topic as a whole. It is an invaluable resource for architectural historians, academics, students, and professionals.

Although 3D printing promises a revolution in many industries, primarily industrial manufacturing, nowhere are the possibilities greater than in the field of product design and modular architecture. Ronald Rael and Virginia San Fratello, of the cutting-edge San Francisco-based design firm Emerging Objects, have developed remarkable techniques for "printing" from a wide variety of powders, including sawdust, clay, cement, rubber, concrete, salt, and even coffee grounds, opening an entire realm of material, phenomenological, and ecological possibilities to designers. In addition to case studies and illustrations of their own work, Rael and San Fratello offer guidance for sourcing alternative materials, specific recipes for mixing compounds, and step-by-step instructions for conducting bench tests and setting parameters for material testing, to help readers to understand the process of developing powder-based materials and their unique

qualities.

As we pointed out in *The Architecture of Open Source Applications*, architects look at thousands of buildings during their training, and study the critiques of many more. But most software developers only ever get to know a handful of programs well - usually programs they wrote themselves. This book provides you with the chance to study how 26 experienced programmers think when they are building something new. The programs you will read about in this book were all written from scratch to solve difficult problems. A web server, a pedometer, a Python interpreter, a web-based spreadsheet, and many more applications are written, in 500 lines of code or less, and described by their creators so that you can learn from their insights and their mistakes.

A classic examination of superb design through the centuries. Widely regarded as a classic in the field, *Experiencing Architecture* explores the history and promise of good design. Generously illustrated with historical examples of designing excellence—ranging from teacups, riding boots, and golf balls to the villas of Palladio and the fish-feeding pavilion of Beijing's Winter Palace—Rasmussen's accessible guide invites us to appreciate architecture not only as 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 undertaking. Dwellings were built with a natural feeling for place, materials and use, resulting in “a remarkably suitable comeliness.” While we 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 form that must be experienced. An understanding of good design comes not only from one's professional experience of architecture as an abstract, individual pursuit, but also from one's shared, everyday experience of architecture in real time—its particular use of light, color, shape, scale, texture, rhythm and sound. *Experiencing Architecture* reminds us of what good architectural design has accomplished over time, what it can accomplish still, and why it is worth pursuing. Wide-ranging and approachable, it is for anyone who has ever wondered “what instrument the architect plays on.”

The software development ecosystem is constantly changing, providing a constant stream of new tools, frameworks, techniques, and paradigms. Over the past few years, incremental developments in core engineering practices for software development have created the foundations for rethinking how architecture changes over time, along with ways to protect important architectural characteristics as it evolves. This practical guide ties those parts together with a new way to think about architecture and time.

A long-sought reprint of this classic of architectural history and criticism, surveying a movement that would inspire architects, fantasists, and filmmakers alike. It is an architectural concept as alluring as it is elusive, as futuristic as it is primordial. Megastructure is what it sounds like: a vastly scaled edifice that can contain potentially countless uses,

contexts, and adaptations. Theorized and briefly experimented with in built form in the 1960s, megastructures almost as quickly went out of fashion in the profession. But Reyner Banham's 1976 book compiled the origin stories and ongoing mythos of this visionary movement, seeking to chart its lively rise, rapid fall, and ongoing meaning. Now back in print after decades and with original editions fetching well over \$100 on the secondary market, *Megastructure: Urban Futures of the Recent Past* is part of the recent surge in attention to this quixotic form, of which some examples were built but to this day remains--decades after its codification--more of a poetic idea than a real architectural type. Banham, among the most gifted and incisive architectural critics and historians of his time, sought connections between theoretical origins in Le Corbusier's more starry-eyed drawings to the flurry of theories by the Japanese Metabolist architects, to less intentional examples in military architecture, industry, infrastructure, and the emerging instances in pop culture and art. Had he written the book a few years later he would find an abundance of examples in speculative art and science fiction cinema, mediums where it continues to provoke wonder to this day. A long-sought study by an author who combined imagination, wit, and pioneering scholarship, the republication of *Megastructure* is an opportunity for scholars and laypeople alike to return to the origins of this fantastic urban idea.

Using the metaphor of an Indiana Jones-type archeology professor on a quest, Michael Masterson describes specific techniques and overall strategies on how to improve and construct a powerful sales letter.

The Architecture of the Well-Tempered Environment Elsevier

By analyzing ten examples of buildings that embody the human experience at an extraordinary level, this book clarifies the central importance of the role of function in architecture as a generative force in determining built form. Using familiar twentieth-century buildings as case studies, the authors present these from a new perspective, based on their functional design concepts. Here Grabow and Spreckelmeyer expand the definition of human use to that of an art form by re-evaluating these buildings from an aesthetic and ecological view of function. Each building is described from the point of view of a major functional concept or idea of human use which then spreads out and influences the spatial organization, built form and structure. In doing so each building is presented as an exemplar that reaches beyond the pragmatic concerns of a narrow program and demonstrates how functional concepts can inspire great design, evoke archetypal human experience and help us to understand how architecture embodies the deeper purposes and meanings of everyday life.

Many books have been written about the University of Chicago over its 120-year history, but most of them focus on the intellectual environment, favoring its great thinkers and their many breakthroughs. Yet for the students and scholars who live and work here, the physical university—its stately buildings and beautiful grounds—forms an important part of its

character. *Building Ideas: An Architectural Guide to the University of Chicago* explores the environment that has supported more than a century of exceptional thinkers. This photographic guide traces the evolution of campus architecture from the university's founding in 1890 to its plans for the twenty-first century. When William Rainey Harper, the university's first president, and the trustees decided to build a set of Gothic quadrangles, they created a visual link to European precursors and made a bold statement about the future of higher education in the United States. Since then the university has regularly commissioned forward-thinking architects to design buildings that expand—or explode—traditional ideals while redefining the contemporary campus. Full of panoramic photographs and exquisite details, *Building Ideas* features the work of architects such as Frank Lloyd Wright, Henry Ives Cobb, Holabird & Roche, Eero Saarinen, Ludwig Mies van der Rohe, Walter Netsch, Ricardo Legorreta, Rafael Viñoly, César Pelli, Helmut Jahn, and Tod Williams Billie Tsien Architects. The guide also includes guest commentaries by prominent architects and other notable public figures. It is the perfect collection for Chicago alumni and students, Hyde Park residents and visitors, and anyone inspired by the institutional ideas and aspirations of architecture.

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