

# Understanding Architectural Details First In Architecture

*Competing Globally in Architecture Competitions* **Managing Quality in Architecture** *Advances in Human Factors in Architecture, Sustainable Urban Planning and Infrastructure* **Mechanics and Meaning in Architecture** *Complexity and Contradiction in Architecture* Grammatical and Syntactical Approaches in Architecture: Emerging Research and Opportunities *Fabric Structures in Architecture* *Daylighting in Architecture* *Transformative Pedagogy in Architecture and Urbanism* **Challenging ICT Applications in Architecture, Engineering, and Industrial Design Education** *The Routledge Companion to Games in Architecture and Urban Planning* **Leadership in Architecture: Compositions in Architecture** *Mind in Architecture* *Xenakis Creates in Architecture and Music* **First in the Homes of His Countrymen** *The Domestic and the Foreign in Architecture* Historical Dictionary of Architecture **Gender Studies in Architecture** **Masted Structures in Architecture** *Research Methods and Techniques in Architecture* Drawing on Architecture **Totem and taboo in architectural imagination** **The Oxford Dictionary of Christian Art and Architecture** **The Genius of Architecture, Or, The Analogy of that Art with Our Sensations** *Methodology for Product Development in Architecture* **Rudimentary Treatise on the Principles of Design in Architecture as Deducible from Nature and Exemplified in the Works of the Greek and Gothic Architects** *Actions of Architecture* **The Oxford Dictionary of Architecture** **Time, History and Architecture** **Confabulations : Storytelling in Architecture** *Millennials in Architecture* Revolt and Reform in Architecture's Academy **Participation in Art and Architecture** All-Inclusive Engagement in Architecture *PERCEPTION in Architecture* Integrated Strategies in Architecture *Almanac of Architecture & Design 2006* *The Routledge Companion to Women in Architecture* **Introduction to Architecture**

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**Introduction to Architecture** Jun 25 2019 A survey of the built environment distills the work of legendary author and illustrator Francis D. K. Ching into a single volume Introduction to Architecture presents the essential texts and drawings of Francis D. K. Ching for those new to architecture and design. With his typical highly graphic approach, this is the first introductory text from Ching that surveys the design of spaces, buildings, and cities. In an easy to understand format, readers will explore the histories and theories of architecture, design elements and process, and the technical aspects of the contemporary profession of architecture. The book explains the experience and practice of architecture and allied disciplines for future professionals, while those who love the beauty of architecture drawing will delight in the gorgeous illustrations included. Overview of the issues and practices of architecture in an all-in-one introductory text Includes new chapters and introductory essays by James Eckler, and features more than 1,000 drawings throughout Professor Ching is the bestselling author of numerous books on architecture and design, all published by Wiley; his works have been translated into 16 languages and are regarded as classics for their renowned graphical presentation For those pursuing a career in architecture or anyone who loves architectural design and drawing, Introduction to Architecture presents a beautifully illustrated and comprehensive guide to the subject.

**Gender Studies in Architecture** Apr 15 2021 Analyzing a range of ideas from biological, evolutionary and anthropological theories to a variety of feminist, psychoanalytic, poststructuralist and constructivist discourses, this book provides a comprehensive introduction to the problematics of gender and power in architectural and urban design. Topics range from conceptions of postulated matriarchal architecture in Old Europe to contemporary technologies of control; from the mechanisms of gaze to architectural performatives; from the under-representation of women in the planning profession to the integration of gender issues to the curriculum. The particular strengths of the book lie in its inclusiveness and critical analysis. It is not a partisan defence of feminism or any other theory, but a critical introduction to the issues relating to gender. Moreover, the conclusions reach beyond a narrow gender studies perspective to social and ethical considerations that are unavoidable in any responsible architectural or urbanistic practice. With its broad range and balanced analysis of different theories, the book is suitable as an overview of gender studies in architecture and useful for any designer who is concerned with the social effects of the built environment.

Integrated Strategies in Architecture Sep 28 2019 This key text presents students with a holistic view of the building design process, bridging the gap between the theory and practice of constructing and assembling buildings. Integrated Strategies in Architecture encourages

and enables students to gain a sound understanding of the purpose of buildings, the specialisms that contribute and the available technology. Zunde and Bougdah thoroughly introduce and expose the concepts and technologies that underlie the design process, setting current design in context as part of an evolutionary process, exemplified through historic and contemporary models, and emphasizing the importance of applying a broad variety of technologies in the creation of successful buildings. Topics covered include: space planning, colour theory, communication, management, aesthetics, structures and environmental control. This essential text will greatly assist students of architecture and its technology, construction management and building surveying as well as practitioners as they strive to build better buildings.

**Leadership in Architecture:** Nov 22 2021 "Leadership in Architecture: My Passion in Life" spans the decades from the 1940s to the 1980s. It focuses on the professional career in architecture of MacDonald Becket, FAIA, and the projects of Welton Becket and Associates and the Becket Group. An architecture firm headquartered in Los Angeles, California, its projects were located across the country and around the world, including Century City in Los Angeles; the renovation of the California State Capitol; Eisenhower Hall at West Point; Hyatt Reunion project in Dallas; the redevelopment of the Boston Common; six buildings in Seoul, Korea; the Great Wall Hotel in Beijing, China; and the World Trade Center in Moscow, USSR, to name just a few. His clients ranged from presidents of the United States to American captains of industry to the Shah of Iran. Furthering his uncle Welton Becket's philosophy of "Total Design," MacDonald Becket, and professionals under his leadership, focused on the client and provided full services--from analyzing the architectural problem and researching the best financially feasible solution to interpreting the solution into the best design that would include such details as landscaping, art, and furniture. The total design, from start to finish, of a project, with the client as the focus, guided the company's thought process for every project. Don Becket tells his personal view of his professional career building an international practice with multiple offices. The book features stories of challenging clients and sites, working in foreign (often unfriendly) countries, and managing a growing company. He weaves in lessons learned throughout his life and describes his approach to architecture and business. He practiced during the Cold War era and saw many changes in the field of architecture--from technology and materials to contracts and business practice. According to Becket, "Architecture is not designing a pretty building. The architect must create a project that not only looks professional and pleasing but also fulfills financial goals and user functions. Every aspect of the project must be sustainable for a very long time." In "Leadership in Architecture:

My Passion in Life," Don Becket describes how he and his company kept those goals in mind for every project over multiple decades. His stories within are examples of his efforts."

*Actions of Architecture* Jul 07 2020 *Actions of Architecture* begins with a critique of strategies that define the user as passive and predictable, such as contemplation and functionalism. Subsequently it considers how an awareness of user creativity informs architecture, architects

*Almanac of Architecture & Design 2006* Aug 27 2019

**First in the Homes of His Countrymen** Jul 19 2021 Over the past two hundred years, Americans have reproduced George Washington's Mount Vernon plantation house more often, and in a greater variety of media, than any of their country's other historic buildings. In this highly original new book, Lydia Mattice Brandt chronicles America's obsession with the first president's iconic home through advertising, prints, paintings, popular literature, and the full-scale replication of its architecture. Even before Washington's death in 1799, his house was an important symbol for the new nation. His countrymen used it to idealize the past as well as to evoke contemporary--and even divisive--political and social ideals. In the wake of the mid-nineteenth century's revival craze, Mount Vernon became an obvious choice for architects and patrons looking to reference the past through buildings in residential neighborhoods, at world's fairs, and along the commercial strip. The singularity of the building's trademark piazza and its connection to Washington made it immediately recognizable and easy to replicate. As a myriad of Americans imitated the building's architecture, the Mount Vernon Ladies' Association carefully interpreted and preserved its fabric. Purchasing the house in 1859 amid intense scrutiny, the organization safeguarded Washington's home and ensured its accessibility as the nation's leading historic house museum. Tension between popular images of Mount Vernon and the organization's "official" narrative for the house over the past 150 years demonstrates the close and ever-shifting relationship between historic preservation and popular architecture. In existence for roughly as long as the United States itself, Mount Vernon's image has remained strikingly relevant to many competing conceptions of our country's historical and architectural identity.

*The Routledge Companion to Women in Architecture* Jul 27 2019 *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.

*Fabric Structures in Architecture* Apr 27 2022 *Fabric Structures in Architecture* covers the varying ways textiles and their properties are used in building construction, with particular focus given to tensile structures. The text begins with the fundamental principles of textiles, including the origins of fabric architecture, then progressing to a discussion of the modern textiles of today. It covers relevant textile materials and their properties, including coatings and membranes. In addition, a range of design considerations are discussed, with detailed information on installation and failure modes. A series of case studies from around the world accompany the discussion, illustrating the applications of textiles in architecture. Offers key coverage of the fundamental principles, from the origins of fabric architecture to modern textile Provides analysis of relevant textile materials and their properties, including coatings and membranes Contains expert insights in to the applications of textiles in architecture, presenting a series of relevant case-studies from around the world

*Xenakis Creates in Architecture and Music* Aug 20 2021 *Xenakis Creates in Architecture and Music* describes the collaborative interaction of internationally acclaimed composer Roger Reynolds, musician Karen Reynolds, and musically inspired composer, engineer, and architect Iannis Xenakis (1922-2001) to create a house design, The Reynolds Desert House. The process combined aesthetics and intuition with mathematical systems, showcasing how art and science are balanced—by way of music and architecture—to address the essential technical aspects of music along with the role of emotion and energy. The book analyzes three representative chamber works and presents a trove of primary sources: letters, diaries, notes, photographs, sketches, and person-to-person conversations. What emerges are patterns of direct parallels between how Xenakis characterized the process of musical creation and his design of The Reynolds Desert House. *Xenakis Creates in Architecture and Music* is a testament to the singularly innovative and creative mind of Iannis Xenakis. Supplementary materials—including

color reproductions of black and white images in the book—can be found at: [www.rogerreynolds.com/xenakisreynoldsroutledge.html](http://www.rogerreynolds.com/xenakisreynoldsroutledge.html)

**Rudimentary Treatise on the Principles of Design in Architecture as Deducible from Nature and Exemplified in the Works of the Greek and Gothic Architects** Aug 08 2020

**Managing Quality in Architecture** Oct 02 2022 This handbook addresses the question of how best to manage quality in architecture for the mutual benefit of design practices and their clients. Based on research from the last two decades, it explores the general principles, tools and techniques that can be adapted to the unique culture of any design practice. The book addresses all aspects of quality in creating the built environment, with international contributions representing some of the best thinking that exists in design practice management. It is aimed at the entire design team - those who have a role in design inputs, design processes and design execution; including project managers, contractors, suppliers and clients. An accompanying website also provides commentary and updates on the text. Topics are linked to relevant sections of the current quality standard, and the standard is interpreted as to its application to design practice. Practices interested in establishing an ISO 9001-compliant quality system will find all the tools they need. The interpretation of quality is comprehensive. The focus is completely practical, rather than theoretical, affording readers a concise picture of how the issues of excellence and quality performance flow across every aspect of design practice. This focus provides the vital link that distinguishes truly successful practices from the rest, Here, simply, is the answer to the forces of commoditization that challenge all designers in today's competitive environment. The text is augmented and supported by chapters from twenty-two authoritative contributors, a foreword authored by Eugene Hopkins, and illustrations by graphic artist Michael Lindell. Key case studies are also provided focusing on: Anderson-Brulé Architects, San José CA Add, Inc., Cambridge MA Geyer Pty Ltd, Melbourne, VIC Australia Harley Ellis Devereaux, Southfield MI RVK Architects, San Antonio, TX

**Participation in Art and Architecture** Jan 01 2020 Does 'participatory' art and architecture shape social reality, or is it shaped by it? Shifting the ground of this debate, which tends to assume one or other direction of influence, this innovative book explores the inherently dialectic relationship between society and the built environment. At the same time, it strives for a historically conscious discussion of a very contemporary issue. Chapters rethink the top-down model of participation and audience activation of high modernism, from Alexander Dorner's immersive museum to Mies van der Rohe's 'room(s) for play'; investigate participation in spaces under political pressure, from exhibitions in bombed-out buildings in

besieged Sarajevo (1992-5) to the art and organizing of revolution in Egypt (2012-13); draw historical parallels between modes of participation and the exercise of power that are seldom compared with one another, from sites of occupation in 1968 Mexico and 2011 Spain; finally creating links between cartography and feminism and between tourism and internet surveillance. With these juxtapositions of the aesthetic and the everyday, and the built and the mediated, new questions arise: is space formed once and for all, or is it the changeable product of changeable patterns of use? Does the aesthetic always correspond to the political, or might an aesthetically authoritarian space be conducive to social justice? In exploring these questions, this book looks at how participants themselves exert power, rather than being victimised or liberated from it.

**Confabulations : Storytelling in Architecture** Apr 03 2020

Confabulation is a drawing together through storytelling. Fundamental to our perception, memory, and thought is the way we join fractured experiences to construct a narrative. *Confabulations: Storytelling in Architecture* weaves together poetic ideas, objects, and events and returns you to everyday experiences of life through juxtapositions with dreams, fantasies, and hypotheticals. It follows the intellectual and creative framework of architectural cosmopoesis developed and practiced by the distinguished thinker, architect, and professor Dr. Marco Frascari, who thought deeply about the role of storytelling in architecture. Bringing together a collection of 24 essays from a diverse and respected group of scholars, this book presents the convergence of architecture and storytelling across a broad temporal, geographic, and cultural range. Beginning with an introduction framing the topic, the book is organized along a continuous thread structured around four key areas: architecture of stories, stories of architecture, stories of theory and practice of stories. Beautifully illustrated throughout and including a 64-page full colour section, *Confabulations* is an insightful investigation into architectural narratives.

**The Oxford Dictionary of Architecture** Jun 05 2020 Covers all periods of western architectural history including biographies of architects and others who have made significant contributions to the field of architecture.

*PERCEPTION in Architecture* Oct 29 2019 Definitions of space are as diverse as the disciplines in which it plays a fundamental role; from science and philosophy to art and architecture, each field's perception of space is often simplified or reduced. This consequently denies access to 'new spaces', whose definitions and perspectives, strategies and impacts on human perception are rarely considered in any cohesive manner. This is where the Aedes Network Campus Berlin (ANCB) programme 'No Space Without Traits' came in: particularly through artistic approaches, it aimed to open doors into spatial

worlds that until now have remained closed. The symposium 'PERCEPTION in Architecture. HERE and NOW' was part of this programme and invited critical and comprehensive contributions by academics, artists, architects, designers and curators. These presentations are brought together in this volume to reflect upon new spatial concepts and thus access 'new spaces' of perception in architecture. The symposium stimulated a discourse focused on spaces as a collective entity, notions of spatial truth, the multiplicity of experience, and Wahrnehmungsapparate, as well as physical, visual, acoustic and virtual manifestations of space in relation to social, cultural, historical and political forces.

*Transformative Pedagogy in Architecture and Urbanism* Feb 23 2022  
First published in 2009, *Transformative Pedagogy in Architecture and Urbanism* is a detailed round of pedagogical dialogue on architecture and urbanism that reset the stage for debating future visions of transformative pedagogy and its impact on design education. Structured in five chapters the book presents a wide range of innovative concepts and practical methodologies for teaching architectural and urban design. It traces the roots of architectural education and offers several contrasting ideas and strategies of design teaching practices. *Transformative Pedagogy in Architecture and Urbanism* will appeal to those with an interest in architectural and urban design, and architectural and design education.

**The Oxford Dictionary of Christian Art and Architecture** Nov 10 2020  
"First published as: *The Oxford companion to Christian art and architecture* in 1996 by Oxford University Press." --T.p. verso.

Drawing on Architecture Jan 13 2021 How architectural drawings emerged as aesthetic objects, promoted by a network of galleries, collectors, and institutions, and how this changed the understanding of architecture. Prior to the 1970s, buildings were commonly understood to be the goal of architectural practice; architectural drawings were seen simply as a means to an end. But, just as the boundaries of architecture itself were shifting at the end of the twentieth century, the perception of architectural drawings was also shifting; they began to be seen as autonomous objects outside the process of building. In *Drawing on Architecture*, Jordan Kauffman offers an account of how architectural drawings—promoted by a network of galleries and collectors, exhibitions and events—emerged as aesthetic objects and ultimately attained status as important cultural and historical artifacts, and how this was both emblematic of changes in architecture and a catalyst for these changes. Kauffman traces moments of critical importance to the evolution of the perception of architectural drawings, beginning with exhibitions that featured architectural drawings displayed in ways that did not elucidate buildings but treated them as meaningful objects in their own right. When architectural drawings were seen as having intrinsic value, they

became collectible, and Kauffman chronicles early collectors, galleries, and sales. He discusses three key exhibitions at the Leo Castelli Gallery in New York; other galleries around the world that specialized in architectural drawings; the founding of architecture museums that understood and collected drawings as important cultural and historical artifacts; and the effect of the new significance of architectural drawings on architecture and architectural history. Drawing on interviews with more than forty people directly involved with the events described and on extensive archival research, Kauffman shows how architectural drawings became the driving force in architectural debate in an era of change.

**The Genius of Architecture, Or, The Analogy of that Art with Our Sensations** Oct 10 2020 This series offers a range of heretofore unavailable writings in English translation on the subjects of art, architecture, and aesthetics. Camus's description of the French hotel argues that architecture should please the senses and the mind.

**Challenging ICT Applications in Architecture, Engineering, and Industrial Design Education** Jan 25 2022 Are Information and Communications Technologies (ICTs) helpful or detrimental to the process of design? According to Aristotle, the imagination is a mental power that assists logical, sound judgments. Design, therefore, incorporates both reason and imagination. Challenging ICT Applications in Architecture, Engineering, and Industrial Design Education posits imagination as the central feature of design. It questions the common assumption that ICTs are not only useful but also valuable for the creation of the visual designs that reside at the core of architecture, engineering design, and industrial design. For readers who believe this assumption is right, this book offers an alternative perspective.

*The Domestic and the Foreign in Architecture* Jun 17 2021 For centuries, across nations, dialogue between the domestic and the foreign has affected and transformed architecture. Today these dialogues have become highly intensified. *The Domestic and the Foreign in Architecture* examines how these exchanges manifest themselves in contemporary architecture, in terms of its aesthetic potential and its practice, which, in turn, are impacted by broad economic, cultural and political issues. This book traces how diverse cultural encounters inevitably modify conventional categories, standards and codes of architecture, such as domestic identity, its political and economic representations and the negotiations with what is deemed foreign. Theoretical reflections by distinguished scholars are accompanied by interviews with some of the most influential architects practicing today, as well as stunning visual presentations by professional photographers.

Compositions in Architecture Oct 22 2021 Architecture Use the patterns of architectural composition to inspire creative design In

Compositions in Architecture, Don Hanlon offers students an excitingly original path to discovering architectural composition, one that avoids the traditional either/or choice between theory and practice. By exploring the underlying patterns of organization in architecture, this book enables the reader to connect architectural theory with the design process. And by relating what happens in the design studio with how the architect thinks about architectural composition, the approach spurs creative thinking. With examples that range across diverse cultures and historical periods—from the famous to the obscure—the author reveals the universal compositional strategies that can be used to solve particular architectural problems. Readers will explore: The five formal properties of composition—number, geometry, proportion, hierarchy, and orientation How the plan conveys the central organizing strategy of a building Typological similarities of architectural forms that cut across cultural, social, historical, and geographic boundaries Enriched by a graphic approach that will appeal to visual learners, Compositions in Architecture reveals the formal structures in architecture throughout the world as well as through the ages and inspires architects to turn abstract ideas into real-world design.

All-Inclusive Engagement in Architecture Nov 30 2019 Should all-inclusive engagement be the major task of architecture? All-Inclusive Engagement in Architecture: Towards the Future of Social Change presents the case that the answer is yes. Through original contributions and case studies, this volume shows that socially engaged architecture is both a theoretical construct and a professional practice navigating the global politics of poverty, charity, health, technology, neoliberal urbanism, and the discipline's exclusionary basis. The scholarly ideas and design projects of 58 thought leaders demonstrate the architect's role as a revolutionary social agent. Exemplary works are included from the United States, Mexico, Canada, Africa, Asia, and Europe. This book offers a comprehensive overview and in-depth analysis of all-inclusive engagement in public interest design for instructors, students, and professionals alike, showing how this approach to architecture can bring forth a radical reformation of the profession and its relationship to society.

**Totem and taboo in architectural imagination** Dec 12 2020 Identify powerful features of the architecture of the present time seeking to illuminate hidden knowledge and processes through a few key concepts. The image: apparently, it seems so essential to understand today's architecture but which, on closer analysis, turns out instead to be an absence, an unsolved problem, an enigma hidden behind a culture secretly afflicted by iconoclasm. Post-production and montage: so relevant in the avant-garde and now fixed as an indispensable but often hidden creative component. The parody: the hidden but almost always present humor that corrodes the immediate message of

architecture and makes it more unstable and, above all, more interesting. Ornament: a component censored by Modernism that today is once again the protagonist in new guises. The relationship with the classic: a secret affair that remains as a founding root of Western architecture.

*Advances in Human Factors in Architecture, Sustainable Urban Planning and Infrastructure* Sep 01 2022 This book discusses human factors research directed towards realizing and assessing sustainability in the built environment and architecture. It reports on advanced engineering methods for sustainable infrastructure design, architecture as well as on assessments of the efficient methods and the social, environmental, and economic impact of various designs and projects. The book covers a range of topics, including the use of recycled materials in architecture, ergonomics in buildings and public design, sustainable design for smart cities, design for the aging population, industrial design, human scale in architecture, and many more. Based on the AHFE 2019 International Conference on Human Factors in Architecture, Sustainable Urban Planning and Infrastructure, held on July 24-28, 2019, in Washington D.C., USA, it offers various perspectives on sustainability and ergonomics. As such, it is a valuable reference resource for designers, urban engineers, architects, infrastructure professionals, public infrastructure owners, policy makers, government engineers and planners, as well as operations managers and academics active in urban and infrastructure research.

Revolt and Reform in Architecture's Academy Jan 31 2020 Revolt and Reform in Architecture's Academy uniquely addresses the complicated relationship between architectural education and urban renewal in the 1960s, which paved the way for what is today known as public interest design. Through an examination of curricular reforms at Columbia University's and Yale University's schools of architecture in the 1960s, this book translates the "urban crisis" through the experiences of two influential groups of architecture students, as well as their contributions to design's lexicon. The book argues that urban renewal and campus expansion half a century ago recast architectural education at two schools whose host cities, New York and New Haven, were critical sites for political, social, and urban upheaval in America. The urban challenges of that time are the same challenges rapidly growing cities face today—access, equity, housing, and services. As architects, architects in training, and architecture students continue to wrestle with questions surrounding how design may serve a broadly defined public interest, this book is a timely assessment of the forces that have shaped the debate.

*Mind in Architecture* Sep 20 2021 Leading neuroscientists and architects explore how the built environment affects our behavior, thoughts, emotions, and well-being. Although we spend more than ninety

percent of our lives inside buildings, we understand very little about how the built environment affects our behavior, thoughts, emotions, and well-being. We are biological beings whose senses and neural systems have developed over millions of years; it stands to reason that research in the life sciences, particularly neuroscience, can offer compelling insights into the ways our buildings shape our interactions with the world. This expanded understanding can help architects design buildings that support both mind and body. In *Mind in Architecture*, leading thinkers from architecture and other disciplines, including neuroscience, cognitive science, psychiatry, and philosophy, explore what architecture and neuroscience can learn from each other. They offer historical context, examine the implications for current architectural practice and education, and imagine a neuroscientifically informed architecture of the future. Architecture is late in discovering the richness of neuroscientific research. As scientists were finding evidence for the bodily basis of mind and meaning, architecture was caught up in convoluted cerebral games that denied emotional and bodily reality altogether. This volume maps the extraordinary opportunity that engagement with cutting-edge neuroscience offers present-day architects. Contributors Thomas D. Albright, Michael Arbib, John Paul Eberhard, Melissa Farling, Vittorio Gallese, Alessandro Gattara, Mark L. Johnson, Harry Francis Mallgrave, Iain McGilchrist, Juhani Pallasmaa, Alberto Pérez-Gómez, Sarah Robinson

**Time, History and Architecture** May 05 2020 *Time, History and Architecture* presents a series of essays on critical historiography, each addressing a different topic, to elucidate the importance of two influential figures Walter Benjamin and Gottfried Semper for architectural history. In a work exploring themes such as time, autonomy and periodization, author Gevork Hartoonian unpacks the formation of architectural history; the problem of autonomy in criticism and the historiographic narrative. Considering the scope of criticism informing the contemporaneity of architecture, the book explores the concept of nonsimultaneity, and introduces retrospective criticism the agent of critical historiography. An engaging thematic dialogue for academics and upper-level graduate students interested in architectural history and theory, this book aims to deconstruct the certainties of historicism and to raise new questions and interpretations from established critical canons.

*The Routledge Companion to Games in Architecture and Urban Planning* Dec 24 2021 *The Routledge Companion to Games in Architecture and Urban Planning* aims to identify and showcase the rich diversity of games, including: simulation games, game-like approaches, game scenarios, and gamification processes for teaching/learning, design and research in architecture and urban planning. This collection creates an opportunity for exchange and reflection on games in architecture and

urban planning. Theoretical discussions, descriptive accounts, and case studies presenting empirical evidence are featured; combined with reflections, constructive critical analysis, discussions of connections, and various influences on this field. Twenty-eight international contributors have come together from eleven countries and five continents to present their studies on games in architecture and urban planning, pose new questions, and advocate for innovative perspectives.

*Research Methods and Techniques in Architecture* Feb 11 2021 A scientific approach to architectural and architectonic research from the scope of just one discipline is no longer sufficient. With contemporary considerations such as behavior, health, and environmental protection, architects and students alike need holistic research methodologies that incorporate qualitative elements as well as more traditional quantitative ones. *Research Methods and Techniques in Architecture* examines research methodologies and tools applied in science and architectonic practice. Beginning with a thorough introduction to the main scientific, environmental, and architectural theories of the late twentieth century, the book guides the reader through the different aspects of architectural research design, building research teams, choosing applicable research methods, and representing research results.

**Masted Structures in Architecture** Mar 15 2021 This is the first fully comprehensive survey and analysis of masted structures and covers examples that have evolved during the past three decades. Masted Structures are one of the most interesting developments in post-war architecture resulting from a combination of technology, structural engineering theory and a collaboration between architects and engineers. This is an essential guide for architects to the structural and constructional implications of masted forms in relation to space enclosure, patterns of loading and use of differing materials and techniques. This useful volume will enable architects and engineers to understand the origins, development and nature of masted structures and will provide a stimulating basis for future design.

*Millennials in Architecture* Mar 03 2020 Much has been written about Millennials, but until now their growing presence in the field of architecture has not been examined in-depth. In an era of significant challenges stemming from explosive population growth, climate change, and the density of cities, *Millennials in Architecture* embraces the digitally savvy disruptors who are joining the field at a crucial time, as it grapples with the best ways to respond to a changing physical world. Taking a clear-eyed look at the new generation in the context of the design professions, Darius Sollohub begins by situating Millennials in a line of generations stretching back to early Modernism, exploring how each generation negotiates the ones before and after. He then considers the present moment, closely evaluating

the significance of Millennial behaviors and characteristics (from civic-mindedness to collaboration, and time management in a 24/7 culture), all underpinned by fluency in the digital world. The book concludes with an assessment of the profound changes and opportunities that Millennial disruption will bring to education, licensure, and firm management. Encouraging new alliances, Millennials in Architecture is an essential resource for the architectural community and its stakeholders.

*Daylighting in Architecture* Mar 27 2022 Typically one third of the energy used in many buildings may be consumed by electric lighting. Good daylighting design can reduce electricity consumption for lighting and improve standards of visual comfort, health and amenity for the occupants. As the only comprehensive text on the subject written in the last decade, the book will be welcomed by all architects and building services engineers interested in good daylighting design. The book is based on the work of 25 experts from all parts of Europe who have collected, evaluated and developed the material under the auspices of the European Commission's Solar Energy and Energy Conservation R&D Programmes.

**Mechanics and Meaning in Architecture** Jul 31 2022 In *Mechanics and Meaning in Architecture*, Lance LaVine shows that in architecture, as practiced and taught today, the technological aspect of the profession -- how weight is distributed, how heat flow is regulated, and how light is permitted to enter -- has been ceded to engineers and other technical specialists. And in doing so, he argues, architects have lost sight of one of architecture's most important purposes, that of providing a literal and figurative window onto the world. As a technology of habitation, architecture should give people both a practical and a metaphorical understanding of their relationship with nature. For LaVine, this knowledge emanates from a sensual understanding of the natural world as a "felt force". At its most basic level, architecture demands an understanding of and response to the natural forces of gravity, climate, and sunlight. At the center of *Mechanics and Meaning in Architecture* are case studies of four very different houses: a Finnish log farmhouse from the nineteenth century; Charles Moore's house in Orinda, California; Tadao Ando's Wall House in Japan; and Le Corbusier's Villa Savoye near Paris. Through his imaginative readings of structures, LaVine highlights how the architects involved have used the oldest and most fundamental architectural technologies -- walls, floors, ceilings, columns, beams, and windows -- in ways that offer creative responses to the natural world and humanity's place in it. Clearly, architects are comfortable with the practical and aesthetic components of their profession. With this book, Lance LaVine encourages them also to understand what makes their use of technology unique and essential, and to reclaim the natural world for meaningful interpretation in their design of

buildings.

Grammatical and Syntactical Approaches in Architecture: Emerging Research and Opportunities May 29 2022 Shape grammar and space syntax have been separately developed but rarely combined in any significant way. The first of these is typically used to investigate or generate the formal or geometric properties of architecture, while the second is used to analyze the spatial, topological, or social properties of architecture. Despite the reciprocal relationship between form and space in architecture—it is difficult to conceptualize a completed building without a sense of both of these properties—the two major computational theories have been largely developed and applied in isolation from each another. *Grammatical and Syntactical Approaches in Architecture: Emerging Research and Opportunities* is a critical scholarly resource that explores the relationship between shape grammar and space syntax for urban planning and architecture and enables the creative discovery of both the formal and spatial features of an architectural style or type. This book, furthermore, presents a new method to selectively capture aspects of both the grammar and syntax of architecture. Featuring a range of topics such as mathematical analysis, spatial configuration, and domestic architecture, this book is essential for architects, policymakers, urban planners, researchers, academicians, and students.

*Competing Globally in Architecture Competitions* Nov 03 2022 Design competitions are a core mechanism of the architectural world. They offer architects unique opportunities to pitch for work, and the careers of many name architects have been made by winning an important competition - Richard Rogers, Renzo Piano, Dominique Perrault and Jean Nouvel to name but a few. This is the definitive book on architecture competitions from over the last decade, and will be an essential guide to any architect or student who is considering preparing a submission. The first in a distinctive new *Architecture in Practice* series from Wiley-Academy A definitive book on key competitions it will be a touchstone for individual architects and offices It illustrates winning case studies from many of the major international competitions of the past decade It provides essential strategic material on entering competitions: from which ones to enter to the way rules for competitions differ internationally and from region to region It provides a unique overview of recent trends: in terms of digital presentation, but also preoccupations with issues such as sustainability

*Methodology for Product Development in Architecture* Sep 08 2020 *Methodology for Product Development in Architecture* is dedicated to the methodology and processes of designing, developments and research of standard building products, building product systems and special building components, as well as to their applications in buildings. Therefore, this publication is of importance to product designers and

product developers, who are mainly concerned with developing products and components at the side of producers, as well as to materializing architects and component designers. They are concerned with the materializing of the functional and spatial building concept as a whole and in parts.

*Complexity and Contradiction in Architecture* Jun 29 2022 A practicing architect discusses the theoretical background of modern architecture

Historical Dictionary of Architecture May 17 2021 This second edition of Historical Dictionary of Architecture contains a chronology, an introduction, and an extensive bibliography. The dictionary section has over 400 cross-referenced entries on architects, famous structures, types of materials, and the different architectural styles.