

## **Architectural Theories Of Design By George Salvan**

*Winner of the 2014 AECT Design & Development Outstanding Book Award An Architectural Approach to Instructional Design is organized around a groundbreaking new way of conceptualizing instructional design practice. Both practical and theoretically sound, this approach is drawn from current international trends in architectural, digital, and industrial design, and focuses on the structural and functional properties of the artifact being designed rather than the processes used to design it. Harmonious with existing systematic design models, the architectural approach expands the scope of design discourse by introducing new depth into the conversation and merging current knowledge with proven systematic techniques. An architectural approach is the natural result of increasing technological complexity and escalating user expectations. As the complexity of design problems increases, specialties evolve their own design languages, theories, processes, tools, literature, organizations, and standards. An Architectural Approach to Instructional Design describes the implications for theory and practice, providing a powerful and commercially relevant introduction for all students of instructional design.*

*As architects and designers, we struggle to reconcile ever increasing environmental, humanitarian, and technological demands placed on our projects. Our new geological era, the Anthropocene, marks humans as the largest environmental force on the planet and suggests that conventional anthropocentric approaches to design must accommodate a more complex understanding of the interrelationship between architecture and environment Here, for the first time, editor Ariane Lourie Harrison collects the essays of architects, theorists, and sustainable designers that together provide a framework for a posthuman understanding of the design environment. An introductory essay defines the key terms, concepts, and precedents for a posthuman approach to architecture, and nine fully illustrated case studies of buildings from around the globe demonstrate how issues raised in posthuman theory provide rich terrain for contemporary architecture, making theory concrete. By assembling a range of voices across different fields, from urban geography to critical theory to design practitioners, this anthology offers a resource for design professionals, educators, and students seeking to grapple the ecological mandate of our current period. Case studies include work by Arakawa and Gins, Arons en Gelauff, Casagrande, The Living, Minifie van Schaik, R & Sie (n), SCAPE, Studio Gang, and xDesign. Essayists include Gilles Clément, Matthew Gandy, Francesco Gonzáles de Canales, Elizabeth Grosz, Simon Guy, Seth Harrison, N. Katherine Hayles, Ursula Heise, Catherine Ingraham, Bruno Latour, William J. Mitchell, Matteo Pasquinelli, Erik Swyngedouw, Sarah Whatmore, Jennifer Wolch, Cary Wolfe, and Alben Yaneva*

*This book explores significant and timely topics for both the design and construction of contemporary architecture by challenging its very practice of theory. It proposes an alternative definition of architectural theory; one that is able and willing to confront the many contradictions now faced by designers, architects, engineers, and builders who negotiate often overwhelming technological imperatives. It valorises the, as yet, untapped potential of thinking through building, preparing the foundations for a critical return to the art of making that is architecture.*

*Theorizing a New Agenda for Architecture: An Anthology of Architectural Theory collects in a single volume the most significant essays on architectural theory of the last thirty years. A dynamic period of reexamination of the discipline, the postmodern eraproduced widely divergent and radical viewpoints on issues of making, meaning, history, and the city. Among the paradigms presented arearchitectural postmodernism, phenomenology, semiotics, poststructuralism, deconstruction, and feminism. By gathering these influential articles from a vast array of books and journals into a comprehensive anthology, Kate Nesbitt has created a resource of great value. Indispensable to professors and students of architecture and architectural theory, Theorizing a New Agenda also serves practitioners and the general public, as Nesbitt provides an overview, a thematic structure, and a critical introduction to each essay. The list of authors in Theorizing a New Agenda reads like a "Who's Who" of contemporary architectural thought: Tadao Ando, Giulio Carlo Argan, Alan Colquhoun, Jacques Derrida, Peter Eisenman, Marco Frascari, Kenneth Frampton, Diane Ghirardo, Vittorio Gregotti, Karsten Harries, Rem Koolhaas, Christian Norberg-Schulz, Aldo Rossi, Colin Rowe, Thomas Schumacher, Ignasi de Sol-Morales Rubi, Bernard Tschumi, Robert Venturi and Denise Scott Brown, and Anthony Vidler. A bibliography and notes on all the contributors are also included.*

*Building Theories*

*Constructing a New Agenda*

*Introducing Architectural Theory*

*The Theory of Architecture*

*Architecture, Liberty and Civic Order*

*Contemporary Museum Architecture and Design*

*Theories and Practices of Architectural Representation*

This book is a hands-on tool for use in the investigative processes of architectural thinking, writing and drawing, and is a useful supplement to main textbooks. It enhances the learning experience by successfully combining the theories that are the foundation of architectural study, and the poetry behind the architectural process.

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. 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 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 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: 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 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 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 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 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. 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 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, Indiana “Salingeros explores ways to clarify and formalize our understanding of aesthetic forms in the built environment, using mathematics, thermodynamics, Darwinism, complexity theory and cognitive sciences. Salingeros’ remarkable 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://en.wikipedia.org/wiki/A\\_Theory\\_of\\_Architecture](http://en.wikipedia.org/wiki/A_Theory_of_Architecture) Nikos A. Salingeros 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 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.

Architectural practices worldwide have to deal with increasingly complex design requirements. How do practices acquire the ability to do so? The Changing Shape of Practice provides a handbook of examples for practices that wish to integrate more research into their work and a reference book for students that seek to prepare themselves for the changing shape of practice in architecture. It addresses the increasing integration of research undertaken in architectural practices of different sizes ranging from small to very large practices from the UK, USA, Europe and Asia. The book is organized according to the size of the practices which is significant in that it addresses the different structures and resourcing requirements that are enabled by specific practice sizes, as this determines and constrains the type, scope and modes of research available to a given practice. The practices covered include: Woods Bagot Perkins + Will White AECOM UN Studio Shop Architects PLP Architecture Kieran Timberlake 3XN ONL AZPML Thomas Herzog + Partners Herreros Arquitectos Spacescape OCEAN Design Research Association By taking stock of the current shape of practice, the book provides essential information for professional architects who are integrating research into their practice.

Suggests a new approach to urban design in which cities grow more organically, provides a set of seven basic principles, and offers an experimental redesign of a section of San Francisco

A New Theory of Urban Design

Architectural Theories of Design

Integrating Matter, Energy, Data, and Labor for a New Ethics of Architecture

The Architectural Theory of Viollet-le-Duc

From Less to More

Reviewing Design Process Theories

Architectural Theories of the Environment

*For decades, landscape architecture was driven solely by artistic sensibilities. But in these times of global change, the opportunity to reshape the world comes with a responsibility to consider how it can be resilient, fostering health and vitality for humans and nature. Landscape Architecture Theory re-examines the fundamentals of the field, offering a new approach to landscape design. Drawing on his extensive career in teaching and practice, Michael Murphy begins with an examination of influences on landscape architecture. He then delves into systems and procedural theory, while making connections to ecosystem and human factors, the design process, and more. He concludes by showing how a strong theoretical understanding can be applied to practical, every-day decision making and design work to create more holistic, sustainable, and creative landscapes.*

*This book presents a new take on the evolution of digital design theories in architecture from modernity to today, as they have been inspired both by contemporary philosophy and the emergence and access to advanced computation. It focuses on how concepts of difference in philosophy transformed architectural design theory and takes on even more significance with the introduction and ubiquitous use of computers within the discipline, changing the architectural design paradigm forever. Beginning with a presentation of American Pragmatism’s push towards process, the book continues on to Husserl’s influence on the modern movement, mid-century phenomenology, post-structuralist Derridean exchanges with architects, the Deleuzian influence on the smoothing of form and finally contemporary architectural references to speculative realism. Analyzing the arc of design theory as influenced by philosophical and computational logics, this book presents the transformation to contemporary design approaches that includes more biology, more data and more information, moving from "less is more" to "From Less to More!" Philosophical Difference and Advanced Computation in Architectural Theory is an influential read for students and academics of architectural theory, computational design and related areas.*

*Explore Level Design through the Lens of Architectural and Spatial Experience Theory Written by a game developer and professor trained in architecture, An Architectural Approach to Level Design is one of the first books to integrate architectural and spatial design theory with the field of level design. It explores the principles of level design through the context and history of architecture, providing information useful to both academics and game development professionals. Understand Spatial Design Principles for Game Levels in 2D, 3D, and Multiplayer Applications The book presents architectural techniques and theories for level designers to use in their own work. The author connects architecture and level design in different ways that address the practical elements of how designers construct space and the experiential elements of how and why humans interact with this space. Throughout the text, readers learn skills for spatial layout, evoking emotion through gamespaces, and creating better levels through architectural theory. Create Meaningful User Experiences in Your Games Bringing together topics in game design and architecture, this book helps designers create better spaces for their games. Software independent, the book discusses tools and techniques that designers can use in crafting their interactive worlds.*

*Theories and Practices of Architectural Representation focuses on the study of architectural knowledge approached through the lens of representation: the making of things-about-buildings.*

*Architectural knowledge systems continue to shift away from traditional means, such as books and photographs, into modes dominated by digital technologies. This shift parallels earlier ones developed by craftspeople into the knowledge of painters and writers, or shifts from manually produced knowledge into the mode of photography and film. These historical shifts caused profound disruptions to established patterns, and in general the shift currently underway is no different. This book considers essential questions including: How does architecture become known? How is knowledge about architecture produced, structured, disseminated, and consumed? How in particular do historical patterns of knowledge production persist within contemporary culture and society? How are these patterns affected by changes in technology, and how does technology create new opportunities? These questions are examined through five chapters dealing with exemplary buildings and*

representational methods selected from worldwide locations including the United States, Japan, and Italy. *Theories and Practices of Architectural Representation* proposes that historical theories and practices of architectural representation remain distinct, robust, and uniquely viable within the context of rapidly changing technologies. It is an essential read for students of architectural theory of representation.

*Visuality for Architects*

*Functionalism Revisited*

*An Architectural Approach to Instructional Design*

*Theories and Tactics in Architecture and Design*

*Theories of the Digital in Architecture*

*Relating Functions and Forms*

*Architectural Theory 1993-2009*

*Architectural Theories of Design* Goodwill Trading Co., Inc. *Poetics of Architecture* *Theory of Design* Wiley

*More than a decade in the making, this is a textbook of architecture rich with design techniques and useful for every architect whether a first-year student or experienced practicing architect. The book teaches the reader how to design by adapting to human needs and sensibilities, yet independently of any particular style. It explains much of what people instinctively know about architecture, and puts that knowledge for the first time in a concise, understandable form. There has not been such a book treating the very essence of architecture. Preface by the Prince of Wales*

*"Here is a synthesis that makes sense of buildings from all ages: historical, vernacular, to cutting-edge architectural creations. This book of lectures and essays cuts through the often-incomprehensible fog of contemporary architectural discourse to reveal theoretical foundations for design. Much of the material was developed as part of a course introducing scientific thinking into architecture, and actually estimating factors that contribute to the success of a building"--Author's webpage.*

*This follow-up to Kate Nesbitt's best-selling anthology *Theorizing a New Agenda* collects twenty-eight essays that address architecture theory from the mid-1990s, where Nesbitt left off, through the present. Kristin Sykes offers an overview of the myriad approaches and attitudes adopted by architects and architectural theorists during this era. Multiple themes—including the impact of digital technologies on processes of architectural design, production, materiality, and representation; the implications of globalization and networks of information; the growing emphasis on sustainable and green architecture; and the phenomenon of the 'starchitect' and iconic architecture—appear against a background colored by architectural theory, as it existed from the 1960s on, in a period of transition (if not crisis) that centers around the perceived abyss between theory and practice. Theory's transitional state persists today, rendering its immediate history particularly relevant to contemporary thought and practice. While other collections of recent theoretical writings exist none attempt to address the situation as a whole, providing in one place key theoretical texts of the past decade and a half. This book provides a foundation for ongoing discussions surrounding contemporary architectural thought and practice, with iconic essays by Greg Lynn, Deborah Berke, Sanford Kwinter, Samuel Mockbee, Stan Allen, Rem Koolhaas, William Mitchell, Anthony Vidler, Micahel Hays, Reinhold Martin, Reiser + Umemoto, Glenn Murcutt, William McDonough, Michael Braungart, Michael Speaks, and many more.*

*Revealing Architectural Design*

*Toward a Disruptive Temporality of Practice*

*Architecture in Three Discourses*

*The Role of the Behavioral Sciences in Environmental Design*

*A Historical Survey, 1673–1968*

*Theory and Practice of Place*

*The Changing Shape of Practice*

Provides a critical history of Western architecture theory from the ancient world to the present day. It looks at how the architect generates architectural form in order to explain a number of issues, including the origins of style, the persistence of tradition and the role of genius.

*Affect, Architecture, and Practice* builds on and contributes to work in theories of affect that have risen within diverse disciplines, including geography, cultural studies, and media studies, challenging the nature of textual and representational-based research. Although numerous studies have examined how affect emerges in architectural spaces, little attention has been paid to the creative process of architectural design and the role that affect plays in the many contingencies and uncertainties that arise in the process. The book traces the critical, philosophic, and architectural theories to examine how affect, architecture, and practice are interlinked. Through a series of conversations and reflections, it examines three key contemporary architects, their practices and projects, all within a single coherent theme. Reiser + Umemoto (RUR Architecture DPC), USA, Kerstin Thompson Architects, Australia, and Shigeru Ban Architects, Japan, are critically studied through the lens of different aspects of practice, namely image-making, the design process, and the making of an everyday object/material. Through this investigation, author Akari Nakai Kidd demonstrates how affect theory allows a critical interrogation of the in-betweens of practice, its liminality and limits. It questions the stability of objects, the smooth temporality of practice, and its often under-conceptualised non-human dimensions. More significantly, the book demonstrates architectural practice's contribution to the reconceptualisation of theories of affect.

*Contemporary Museum Architecture and Design* showcases 18 diverse essays written by people who design, work in, and study museums, offering a variety of perspectives on this complex building type. Throughout, the authors emphasize new kinds of experiences that museum architecture helps create, connecting ideas about design at various levels of analysis, from thinking about how the building sits in the city to exploring the details of technology. With sections focusing on museums as architectural icons, community

engagement through design, the role of gallery spaces in the experience of museums, disability experiences, and sustainable design for museums, the collected chapters cover topics both familiar and fresh to those interested in museum architecture. Featuring over 150 color illustrations, this book celebrates successful museum architecture while the critical analysis sheds light on important issues to consider in museum design. Written by an international range of museum administrators, architects, and researchers this collection is an essential resource for understanding the social impacts of museum architecture and design for professionals, students, and museum-lovers alike.

A range of current approaches to architecture are neglected in our contemporary writings on design philosophies. This book argues that the model of 'function' and the concept of a 'functional building' that we have inherited from the twentieth-century Modernists is limited in scope and detracts from a full understanding of the purposes served by the built environment. It simply does not cover the range of functions that buildings can afford nor is it tied in a conceptually clear manner to our contemporary concepts of architectural theory. Based on Abraham Maslow's theory of human motivations, and following on from Lang's widely-used text, *Creating Architectural Theory: The Role of the Behavioral Sciences in Environmental Design*, Lang and Moleski here propose a new model of functionalism that responds to numerous observations on the inadequacy of current ways of thinking about functionalism in architecture and urban design. Copiously illustrated, the book puts forward this model and then goes on to discuss in detail each function of buildings and urban environments.

T-Squared

Discourses in Architecture, Urban Design and Planning Theories

Unified Architectural Theory

Integrating Research and Design in Architecture

Landscape Theory in Design

Modern Architectural Theory

Methods, Frameworks and Tools

**Modern Architectural Theory is the first book to provide a comprehensive survey of architectural theory, primarily in Europe and the United States, during three centuries of development. In this synthetic overview, Harry Mallgrave examines architectural discourse within its social and political context. He explores the philosophical and conceptual evolution of its ideas, discusses the relation of theory to the practice of building, and, most importantly, considers the words of the architects themselves, as they contentiously shaped Western architecture. He also examines the compelling currents of French rationalist and British empiricist thought, radical reformation of the theory during the Enlightenment, the intellectual ambitions and historicist debates of the nineteenth century, and the distinctive varieties of modern theory in the twentieth century up to the profound social upheaval of the 1960s. Modern Architectural Theory challenges many assumptions about architectural modernism and uncovers many new dimensions of the debates about modernism. What is more important in architectural works—their form, shape, and color, or the meanings and symbolism that can be associated with them? Can aesthetic judgments of architecture be independent of the stories one can tell about buildings? Do non-architects perceive buildings in the same way as do architects? For the greater part of the twentieth century it was common to respond to these and similar questions by relying on psychological theories asserting there is no innocent eye, that we think only in language, and that human visuality results from preexisting, conceptual knowledge. Dramatic breakthroughs in philosophy and psychology over the past two decades, however, have shown us that human visuality functions for the most part independently of conceptual thinking and language. This book examines the ways in which new theories of human visuality create a different understanding of architectural design, practice, and education. This new understanding coincides with and supports formalist approaches to architecture that have become influential in recent years as a result of the digital revolution in architectural design.**

**This anthology of writings addresses the producers of the very forms that are judged aesthetically - students of architecture, graphic design, interior design, fashion, and industrial design. The selections are from philosophy, art history, literary criticism, architectural practice, Renaissance scholarship, critical theory, and the cognitive neurosciences. They represent varying points of view, formats, lengths and intents. Some are complete book chapters or essays, some excerpts from writings on topics seemingly distant from aesthetic theory. All offer insights into the importance of considering form relative to its aesthetic qualities and influence. Each selection is accompanied by head notes that glean the core arguments, enhance understanding, and provide a critical educational tool so anyone involved in the act of design, whether for an urban cultural space or the packaging for a cosmetic product, can be informed about the aesthetic theories that consider the relationship between form and its impact on the individual and society.**

**Revealing Architectural Design examines the architectural design process from the point of view of knowledge domains, domain syntax, coherence, framing, thinking styles, decision-making and testing. Using straightforward language, the book connects general design thinking to underlying frameworks that are used in the architectural design process. The book provides historical grounding as well as clear examples of real design outcomes. It**

**includes diagrams and explanations to make that content accessible. The frameworks and their methods are described by what they can accomplish, what biases they introduce and the use of their final outcomes. Revealing Architectural Design is an advanced primer useful to anyone interested in increasing the quality of their architectural design proposals through understanding the conceptual tools used to achieve that process. While it is intended for undergraduate and graduate students of architectural design, it will also be useful for experienced architectural practitioners. For the non-architect, this book opens a window into the priorities of a discipline seldom presented with such transparency.**

### **13 Ways of Looking at Architectural Theory**

#### **Affect, Architecture, and Practice**

#### **An Anthology of Architectural Theory 1965 - 1995**

#### **Architectural Theory and Practice and the Behavioral Sciences**

#### **Architectural Theories from Vitruvius to Jefferson and Beyond**

#### **Posthuman Territory**

#### **A Theory of Architecture**

This interdisciplinary book explores design theories, combining research from a range of fields including architecture, landscape architecture, urban planning, urban design, industrial design, software engineering, environmental psychology, geography, anthropology, and sociology. Following an extensive review of the current literature, the author reveals eight major types of theory in design processes. The theories are classified as follows: Rational vs. Empiricist Theories, Procedural vs. Substantive Theories, Normative vs. Positive Theories, Design Scopes, Designers vs. People, Form and Space Creation Paradigms, Efficient Tools and Sources in the Design Process, and Place vs. Non-Place Theories. The respective design theories are illustrated with diagrams, tables and figures, condensing the content of over 140 essential theoretical texts that address various aspects of design processes. Given its scope, the book will appeal to undergraduate and graduate students, and to researchers and practitioners in design, urban planning, urban design, architecture, art, etc.

The Theory of Architecture Concepts, Themes & Practices Paul-Alan Johnson Although it has long been thought that theory directs architectural practice, no one has explained precisely how the connection between theory and practice is supposed to work. This guide asserts that architectural theory does not direct practice, but is itself a form of reflective practice. Paul-Alan Johnson cuts through the jargon and mystery of architectural theory to clarify how it relates to actual applications in the field. He also reveals the connections between new and old ideas to enhance the reader's powers of critical evaluation. Nearly 100 major concepts, themes, and practices of architecture--as well as the rhetoric of architects and designers--are presented in an easily accessible format. Throughout, Johnson attempts to reduce each architectural notion into its essential concept. By doing so, he makes theory accessible for everyday professional discussion. Topics are arranged under ten headings: identification, definition, power, attitudes, ethics, order, authority, governance, relationship, and expression. Areas covered under these headings include: \* Utopic thought in theories of architecture \* Advocacy and citizen participation in architecture \* The basis of architectural quality and excellence \* The roles of the architect as artist, poet, scientist, and technologist \* Ethical obligations of architecture \* Rationales for models and methods of design \* How authority is determined in architecture \* How architects structure their concepts \* Conventions of communication within the architectural profession Each section begins by showing the etymology of key terms of the topic discussed, along with a summary history of the topic's use in architecture. Discussions probe the conceptual and philosophical difficulties of different theories, as well as their potential and limitations in past and present usage. Among the provocative issues discussed in terms of their relationship to architecture are chaos theory, feminism, service to the community, and the use of metaphor. Johnson points out with stunning clarity the intentions as well as the contradictions and inconsistencies of all notions and concepts. All architects and designers, as well as students and teachers in these disciplines, will gain many insights about architectural thought in this groundbreaking text.

In the age of post-digital architecture and digital materiality, This Thing Called Theory explores current practices of architectural theory, their critical and productive role. The book is organized in sections which explore theory as an open issue in architecture, as it relates to and borrows from other disciplines, thus opening up architecture itself and showing how architecture is inextricably connected to other social and theoretical practices. The sections move gradually from the specifics of architectural thought - its history, theory, and criticism - and their ongoing relation with philosophy, to the critical positions formulated through architecture's specific forms of expression, and onto more recent forms of architecture's engagement and self-definition. The book's thematic sessions are concluded by and interspersed with a series of shorter critical position texts, which, together, propose a new vision of the contemporary role of theory in

architecture. What emerges, overall, is a critical and productive role for theory in architecture today: theory as a proposition, theory as task and as a 'risk' of architecture.

An interdisciplinary collection with its origins in the 2018 National Conference on the Beginning Design Student, hosted by the College of Design, Architecture, Art and Planning at the University of Cincinnati, the overarching focus of which was on 'TIME'. The book includes contributions from some scholars who were not involved in the conference but whose voices are important to the conversation. T-Squared: Theories and Tactics in Architecture and Design has three primary aims. First, it reveals and illuminates the extensive and explicit relationship between the research that shapes art, architecture and design practices, and the studio prompts and assignments that are developed by faculty for students engaging the creative disciplines. Second, it demonstrates that pedagogical inquiry and invention can be a (radical) research endeavour that can also become an evolutionary agent for faculty, students, institutions and communities. Third, it makes available to a larger audience a set of innovative ideas and exercises that have until now been known to limited numbers of students and faculty, hidden behind the walls of studio courses and institutions. This book will appeal to anyone interested in design thinking and design process as well as to architects, architectural educators and architecture students who may particularly identify in it stirrings of a new world order and a call to arms. Each chapter of T-Squared is separated into two parts: THEORY (T1) and TACTICS (T2). In T1, the authors offer mini-manifestos about topics that relate to their professional interests and efforts. In T2, the authors delineate exercises that reflect the ideascapes and methodologies presented in T1. The exercises in T2 are adapted for the reader from assignments given to students enrolled in design studios at a variety of universities. In their current incarnation, they offer anyone with tenacity, imagination and an adventurous attitude towards architecture and design access to distinct sets of provocative questions, procedures and modes. The T2 offerings require the reader's engagement and imagination and the rolling up of sleeves - while there may be steps to follow, many of the exercises read like Fluxus scores and require investment rather than obedience. A suspension of disbelief is required - but all seriously creative folk (like you, reader) understand that already. Primary readership will be among design educators and students looking for a window through which to view the ways design is being introduced, taught and positioned across disciplines and institutions, and to architects, architectural educators and architecture students.

Theory of Design

Theorizing a New Agenda for Architecture:

Architectural Creativity and Modern Theories of Perception and Imagination

Debating a Discipline

A Theory for Practice

Landscape Architecture Theory

*The Interior Architecture Theory Reader presents a global compilation that collectively and specifically defines interior architecture. Diverse views and comparative resources for interior architecture students, educators, scholars, and practitioners are needed to develop a proper canon for this young discipline. As a theoretical survey of interior architecture, the book examines theory, history, and production to embrace a full range of interior identities in architecture, interior design, digital fabrication, and spatial installation. Authored by leading educators, theorists, and practitioners, fifty chapters refine and expand the discourse surrounding interior architecture.*

*Holistic Mobile Game Development with Unity: An All-In-One Guide to Implementing Mechanics, Art Design and Programming for iOS and Android Games Master mobile game design and development in this all-in-one guide to creating iOS and Android games in the cutting-edge game engine, Unity. By using Penny de Byl's holistic method, you will learn about the principles of art, design, and code and gain multidisciplinary skills needed to succeed in the independent mobile games industry. In addition, hands-on exercises will help you throughout the process from design to publication in the Apple App Store and Google Play Store. Over 70 practical step-by-step exercises recreating the game mechanics of contemporary mobile games, including Angry Birds, Temple Run, Year Walk, Minecraft, Curiosity Cube, Fruit Ninja, and more. Design principles, art, and programming in unison - the one-stop shop for indie developers requiring interdisciplinary skills in their small teams. An introduction to essential two- and three-dimensional mathematics, geometry and physics concepts. A portfolio of royalty free reusable game mechanics and assets. Accompanying website, [www.holistic3d.com](http://www.holistic3d.com), features project source code, instructional videos, art assets, author blog, and teaching resources. Challenge questions and lesson plans are available online for an enhanced learning experience.*

*In order for a book to succeed in presenting a theory of architecture, it must address aspects of imagination and creativity as well as the channels one can use to achieve truly significant architectural design. Poetics of Architecture explores the fundamental theories of Modern and Postmodern design and attempts to reconcile all that is worthwhile in these two movements into a new inclusivist attitude toward architecture. Anthony C. Antoniadis looks at the many intangible and tangible channels one can harness in creating architectural design. By opening up architecture to the full range of creative influences, he tries to help readers produce designs that are richer on spatial, sensual, spiritual, and environmental levels. Some of the intangible channels to creativity explored in the book include fantasy, metaphor, the paradoxical and metaphysical, the primordial and untouched, poetry and literature, and the exotic and multicultural.*

*Among the tangible channels covered are history and the study of precedents, mimesis and literal interpretation, geometry, materials, and the role of nature. The author presents rich and imaginative discussions of these various channels, explaining which were favored during the Modern and Postmodern movements and clarifying his theoretical analyses through the use of many vivid examples, tables, and illustrations. Included among the examples in the volume are many distinguished projects and theories by a wide range of noted architects such as Asplund, Aalto, Utzon, Pikionis, Barragin, Pietila, Predock, and Legorreta, who are latecomers to the attention of the media. Antoniades also provides fascinating material on the study of architectural biographies as a means of achieving an all-inclusive creativity in architectural design. Highly original yet based on solid principles, Poetics of Architecture will help architects, designers, and students increase their versatility and creativity in the studio. It will also deepen their understanding and appreciation of the creative process and its many influences.*

*This is the most accessible architectural theory book that exists. Korydon Smith presents each common architectural subject – such as tectonics, use, and site – as though it were a conversation across history between theorists by providing you with the original text, a reflective text, and a philosophical text. He also introduces each chapter by highlighting key ideas and asking you a set of reflective questions so that you can hone your own theory, which is essential to both your success in the studio and your adaptability in the profession. These primary source texts, which are central to your understanding of the discipline, were written by such architects as Le Corbusier, Robert Venturi, and Adrian Forty. The appendices also have guides to aid your reading comprehension; to help you write descriptively, analytically, and disputationally; and to show you citation styles and how to do library-based research. More than any other architectural theory book about the great thinkers, Introducing Architectural Theory teaches you to think as well.*

*Philosophical Difference and Advanced Computation in Architectural Theory*

*Form, Language, Complexity : a Companion to Christopher Alexander's "The Phenomenon of Life: the Nature of Order, Book 1"*

*Creating Architectural Theory*

*Sources of Architectural Form*

*Readings and Commentary*

*Concepts Themes & Practices*

*The Interior Architecture Theory Reader*

"Humans are the largest environmental force on the planet, making this a new geologic era: The Anthropocene. As architects and designers, we struggle to reconcile the ever increasing environmental, humanitarian, and technological demands placed on our projects. Here, for the first time, editor Ariane Lourie Harrison collects the essays of architects, theorists, and sustainable designers that together provide a framework to help you develop your own guidelines to approaching your work. Each introduction defines a key term, such as biopolitics, animalization, and sociotechnical model, to increase your design vocabulary and highlight themes from the readings. Nine case studies from five countries demonstrate these concepts, so that you can see theory made concrete"--

This study looks at groups with an interest in a work of architecture - owners, inhabitants, customers, critics and historians, architecture schools - presents a conceptual framework in which those disparate interests are honoured for providing different perspectives on the building.

This book brings to light central topics that are neglected in current histories and theories of architecture and urbanism. These include the role of imitation in earlier centuries and its potential role in present practice; the necessary relationship between architecture, urbanism and the rural districts; and their counterpart in the civil order that builds and uses what is built. The narrative traces two models for the practice of architecture. One follows the ancient model in which the architect renders his service to serve the interests of others; it survives and is dominant in modernism. The other, first formulated in the fifteenth century by Leon Battista Alberti, has the architect use his talent in coordination with others to contribute to the common good of a republican civil order that seeks to protect its own liberty and that of its citizens. Palladio practiced this way, and so did Thomas Jefferson when he founded a uniquely American architecture, the counterpart to the nation ' s founding. This narrative gives particular emphasis to the contrasting developments in architecture on the opposite sides of the English Channel. The book presents the value for clients and architects today and in the future of drawing on history and tradition. It stresses the importance, indeed, the urgency, of restoring traditional practices so that we can build just, beautiful, and sustainable cities and rural districts that will once again assist citizens in living not only abundantly but also well as they pursue their happiness.

Architectural Theory of Modernism presents an overview of the discourse on function-form concepts from the beginnings, in the eighteenth century, to its peak in High Modernism.

Functionalist thinking and its postmodern criticism during the second half of the twentieth century is explored, as well as today's functionalism in the context of systems theory, sustainability, digital design, and the information society. The book covers, among others, the theories of Carlo Lodoli, Gottfried Semper, Eugène-Emmanuel Viollet-le-Duc, Louis Sullivan, Frank Lloyd Wright, Hannes Meyer, Adolf Behne, CIAM, Jane Jacobs, Robert Venturi and Denise Scott Brown, Charles Jencks, William Mitchell, and Manuel Castells.

*A Critical History of Western Design Theory*

*An Architectural Approach to Level Design*

*An Ecological Approach*

*Aesthetic Theory: Essential Texts for Architecture and Design*

*Poetics of Architecture*

*Architectural Theory of Modernism*

*This Thing Called Theory*

Among architects and preservationists, the writings of Viollet-le-Duc (1814-1879) have long been considered major resources. They inspired a generation of American architects, including Frank Furness, John Wellborn Root, Louis Sullivan, and Frank Lloyd Wright. In 1894, the critic Montgomery Schuyler observed that Viollet-le-Duc's books "have had the strongest influence on this generation of readers." But for the past century, all but one of his works have been out of print in English. These readings carefully selected from the entire range of Viollet-le-Duc's work make available the historical insights and practical principles of one of the most imaginative, and inspiring architectural theorists of the modern era. M.F. Hearn has culled from Viollet-le-Duc's books on architecture the passages in which his major ideas about the theory of architecture are most cogently expressed. Hearn has arranged and interplated the readings in a sequence of topics covering Viollet-le-Duc's views on the architecture of the past, his convictions about the education of architects, his philosophy of method, principles of design, and his guidelines for restoration. The selections are introduced by a biographical essay connected by interpretive commentaries, and followed by a biographical note.

Phenomenology, Materiality, Cybernetics, Palimpsest, Cyborgs, Landscape Urbanism, Typology, Semiotics, Deconstruction - the minefield of theoretical ideas that students must navigate today can be utterly confusing, and how do these theories translate to the design studio? Landscape Theory in Design introduces theoretical ideas to students without the use of jargon or an assumption of extensive knowledge in other fields, and in doing so, links these ideas to the processes of design. In five thematic chapters Susan Herrington explains: the theoretic groundings of the theory of philosophy, why it matters to design, an example of the theory in a work of landscape architecture from the twentieth and twenty-first centuries, debates surrounding the theory (particularly as they elaborate modern and postmodern thought) and primary readings that can be read as companions to her text. An extensive glossary of theoretical terms also adds a vital contribution to students' comprehension of theories relevant to the design of landscapes and gardens. Covering the design of over 40 landscape architects, architects, and designers in 111 distinct projects from 20 different countries, Landscape Theory in Design is essential reading for any student of the landscape.