J N L Durand

J.N.L. Durand (1760-1834) Sergio Villani 1990

Précis de les Lectures on Architecture Jean-Nicolas-Louis Durand 2000-01-01 Jean-Nicolas-Louis Durand (1760-1834) regarded the Précis de les Lectures on Architecture (1802-5) and its companion volume, the Graphic Portion (1821), as both a basic course for future civil engineers and a treatise. Focusing the practice of architecture on utilitarian and economic values, he assailed the rationale behind classical architectural training: beauty, proportionality, and symbolism. His formal systematization of plans, elevations, and sections transformed architectural design into a selective modular typology in which symmetry and simple geometrical forms prevailed. His emphasis on pragmatic values, to the exclusion of metaphorical concerns, represented architecture as a closed system that subjected its own formal language to logical processes. Now published in English for the first time, the Précis and the Graphic Portion are classics of architectural education.


Architectural Research Methods Linda N. Groat 2002-02-11 This work offers a survey of architectural research methods - tools of technical, aesthetic, and environmental-behavioural inquiry that go into the creation of the built information. It covers methods such as qualitative and quantitative analysis.

Architect's New Media Yehuda E. Kalay 2004 Yehuda Kalay offers a comprehensive exposition of the principles, methods, & practices that underlie architectural computing. He discusses pertinent aspects of information technology, analyses the benefits & drawbacks of particular computational methods, & looks into the future.

Sensory Design Joy Monice Malnar 2004 What if we designed for all of our senses? Suppose for a moment that sound, touch, and odor were treated as the equals of sight, and emotion considered as important as cognition. What would our built environment be like if sensory response, sentiment, and memory were critical design factors, the equals of structure and program? In Sensory Design, Joy Monice Malnar and Frank Vodvarka explore the nature of our responses to spatial constructs—from various sorts of buildings to gardens and outdoor spaces, to constructions of fantasy. To the degree that this response can be calculated, it can serve as a typology for the design of significant spaces, one that would sharply contrast with the Cartesian model that dominates architecture today. In developing this typology, the authors consult the environmental sciences, anthropology, psychology, and architectural theory, as well as the spatial analysis found in literary depiction. Finally, they examine the opportunities that CAVE and other immersive virtual reality technologies present in furthering a new, sensory-oriented design paradigm. The result is a new philosophy of design that both celebrates our sensuous occupation of the built environment and creates more humane design. A revolutionary approach to the built environment that embraces all of our senses and modes of understanding.

Architecture or Revolution Nadir Lahiji 2020-09-23 By linking building theory to the emancipatory project of critique advanced by radical thinkers in our time, this work investigates the key conceptual and historical elements that culminate in an emancipatory theory of building entitled: 'Towards a philosophy of shelter'. Taking Marx as its only resource, this work proceeds with the conviction that our era is contemporaneous to Marx's historical era. This means 'not judging the validity of Marx from the perspective of the historical situation', but rather, 'demonstrating the validity of a Marxian perspective for a singular historical situation', as ours. This work will therefore translate this perspective into seeing the situation of architecture through the eyes of Marx. All those concerned with the predication in our current condition in which architecture must play a major social role in upholding the universal value of what Alain Badiou calls 'generic humanity' will take an interest in this work. In particular, architects, critics, scholars, and students inside the field of architecture who would be seeking the application of this universal value to a new theory of building will be a welcoming audience for this work.

Architecture and Ethics Beyond Globalization Alberto Pérez-Gómez 2003

Handbook of Research in Mass Customization and Personalization Frank T. Piller 2010 A growing heterogeneity of demand, the advent of "long tail markets", exploding product complexities, and the rise of creative consumers are challenging companies in all industries to find new strategies to address these trends. Mass customization (MC) has emerged in the last decade as the premier strategy for companies in all branches of industry to profit from heterogeneity of demand and a broad scope of other customer demands. The research and practical experience collected in this book presents the latest thinking on how to make mass customization work. More than 50 authors from academia and management debate on what is viable now, what did not work in the past, and what lures just below the radar in mass customization, personalization, and related fields. Edited by two leading authorities in the field of mass customization, both volumes of the book discuss, among many other themes, the latest research and insights on customization strategies, product design for mass customization, virtual models, co-design toolkits, customization value measurement, open source architecture, customization communities, and MC supply chains. Through a number of detailed case studies, prominent examples of mass customization are explained and evaluated in larger context and perspective.

Arquitectura historicista en el siglo XIX Rafael Ileglesias 2005-12-01

The Evolution of Designs Philip Steadman 2008-06-03 This book tells the history of the many analogies that have been made between the evolution of organisms and the human production of
Art and Architecture in the Modern City

The influence of Jean-Nicolas-Louis Durand and his statement on the Marche à suivre dans la composition d’un project quelconque [Procedure to be followed in the composition of any project]. The ‘pavilionizing’ mid-century designers such as Victor Lundy, John Johansen, Eero Saarinen, and Edward Durell Stone, and shows how frequently essentialist and traditionalist types appeared in the building types as they work through urban design problems and regulations. Suitable for professional planners, architects, urban designers, and students, This book includes practical examples of how ordinary processes over time. Most of the built environment adheres to a few physical patterns, or types, that occur over and over. Planners and architects, consciously and unconsciously, refer to practice. This book provides an essential resource for students and practitioners of urban design, drawing together important but widely dispersed writings. Part and section introductions are provided selections in this part of the book also highlight important international development trends in the Middle East and China. Part Five presents environmental challenges faced by the built environment and the creation of memorable places. These selections are largely describing the outcomes of mid-century urban design and voicing concerns over the placeless quality of contemporary urbanism. The ideas that were instrumental in establishing the foundations of the urban design field from the late 1950s up to the mid-1990s. These authors present a critical reading of the design professions and practice. The reader is initially introduced to those classic writings that provide the historical precedents for city-making into the twentieth century. Part Two introduces the voices and also introduces new topics and selections that address the myriad challenges facing designers today. The six part structure of the second edition guides the reader through the history, theory and evaluation. It also presents twelve documents of projects or events that had major theoretical repercussions for the period. Several of the essays appear here in English for the first time. Contributors -Stanislaus von Moos 2009 Originally published in Germany in 1968, this first comprehensive and critical survey of Le Corbusier’s life and work soon became the standard text on the architect and polytom. French, Spanish, English, Japanese and Korean editions followed, but the book has now been out of print for almost two decades. In the meantime, Le Corbusier’s archives in Paris were opened to scholars, and this has led to a reevaluation of the architect’s work and ideas. Many of the selections in this book were first published in the late 1960s, and were not widely known or appreciated. The second edition of The Urban Design Reader draws together the very best of classic and contemporary writings to illuminate and expand the theoretical and practical accessible design knowledge that serves as an introduction to and a key source for the field of urban design. The second edition has been updated with new selections, new authors, and a new introduction. The Urban Design Reader: Second Edition The Urban Design Reader: Second Edition The Urban Design Reader: Second Edition The Urban Design Reader: Second Edition

The Evolution of Urban Form

The phase of American architectural history we call ‘mid-century modernism,’ 1945-1965

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understood as an attempt to move beyond compositional principles. In Composition, Non-Composition, Jacques Lucan invites his readers to consider this novel historical perspective of architectural theory. The author describes the interaction of ideas that often clash with one another, with some that fade away as others emerge, thus offering invaluable keys to understanding contemporary architecture. Although this book is primarily addressed to students of architecture, it will also appeal to architects, historians of architecture, as well as to the interested public.

D'Arcy Wentworth Thompson's Generative Influences in Art, Design, and Architecture—Ellen K. Levy 2021-03-11 Scottish zoologist D'Arcy Wentworth Thompson’s visionary ideas in On Growth and Form continue to influence art, design, and architecture. The revolution in the teaching of mathematics and the advent of the computer in design challenge traditional ways of approaching art, and expand the ‘structural’ understanding of our surroundings through such concepts as transformations, symmetry groups, sets and graphs. This book aims to show the relevance of ‘new maths’ and encourages exploration of the widening intellectual horizons of environmental design and architecture.

The Geometry of Environment—Lionel March 2020-10-31 Originally published in 1971, The Geometry of Environment is an exploration of art and mathematics introducing stimulating ideas from modern geometry, using illustrations from architecture and design. The revolution in the teaching of mathematics and the advent of the computer in design challenge traditional ways of thinking about us, and expand the ‘structural’ understanding of our surroundings through such concepts as transformations, symmetry groups, sets and graphs. This book aims to show the relevance of ‘new maths’ and encourages exploration of the widening intellectual horizons of environmental design and architecture.

Handbook Of Research In Mass Customization And Personalization (In 2 Volumes) - Volume 1: Strategies And Concepts; Volume 2: Applications And Cases—Piller Frank T 2009-12-30 A growing heterogeneity of demand, the advent of ‘long tail markets’, exploding product complexities, and the rise of creative consumers are challenging companies in all industries to find new strategies to address these trends. Mass customization (MC) has emerged in the last decade as the premier strategy for companies in all branches of industry to profit from heterogeneity of demand and a broad scope of other customer demands. The research and practical experience collected in this book presents the latest thinking on how to make mass customization work. More than 50 authors from academia and management debate on what is viable now, what did not work in the past, and what lurks just below the radar in mass customization, personalization, and related fields.Edited by two leading authorities in the field of mass customization, both volumes of the book discuss, among many other themes, the latest research and insights on customization strategies, product design for mass customization, virtual models, co-design tools, customization value measurement, open source architecture, customization communities, and MC supply chains. Through a number of detailed case studies, prominent examples of mass customization are explained and evaluated in larger context and perspective.

Stadtraum Urban space—Rob Krier 2005

The Production Sites of Architecture—Sophia Piazz 2019-01-14 The Production Sites of Architecture examines the intimate link between material sites and meaning. It explores questions such as: how do spatial configurations produce meaning? What are modalities of architectural production? How do these contribute to our understanding of architectural knowledge? Featuring essays from an international range of scholars, the book accepts that everything about the production of architecture has social significance. It focuses on two areas: firstly, relationships of spatial configuration, form, order and classification; secondly, the interaction of architecture and these notions with other areas of knowledge, such as literature, inscriptions, interpretations, and theories of classification, ordering and invention. Moving beyond perspectives which divide architecture into either an aesthetic or practical art, the authors show how buildings are informed by intersections between site and content, space and idea, thought and materiality, architecture and imagination. Presenting illustrated case studies of works by architects and artists including Amale Andread, Dan Wood, OMA, Koen Deprez and John Soane. The Production Sites of Architecture makes a major contribution to our understanding of architectural theory.

Quatremeres de Quincy-Sylvia Lavin 1992 Sylvia Lavin uncovers the origins of one of the fundamental concepts of modern architectural theory, the idea that architecture is a form of language.

Architectural Principles in the Age of Historicism—Robert Jan van Pelt 1991-01-01 Explores the relationship between architectural history and the current practice of architecture. The authors draw on insights from anthropology, ancient history, theology, philosophy and the Holocaust. They also provide practical ideas which should help students build a more human world.

Modernity and the Architecture of Mexico—Edward R. Burton 1997 Since the mid 1970s, there has been an extraordinary renewal of interest in early modern architecture, both as a way of gaining insight into contemporary architectural and cultural change and as a reaction to neoclassicism. This book undertakes a reappraisal of the notion of modernity in Mexican architecture and its influence on a generation of Mexican architects whose works spanned the 1920s through the 1960s. Nine essays by noted architects and architectural historians cover a range of topics from broad-based survey of Mexican architecture to the work of individual architects. The authors include Enrico del Moral, Juan O’Gorman, Carlos Olúriga Soralúa, Juan Segura, Mario Pani, and the campus and stadium of the Ciudad Universitaria in Mexico City. Relatively little has been published in English regarding this era in Mexican architecture. Thus, Modernity and the Architecture of Mexico will play a groundbreaking role in making the underlying assumptions, ideological and political constructs, and specific architect’s agendas known to a wide audience in the humanities. Likewise, it should inspire greater appreciation for this undervalued body of works as an important contribution to the modern movement.

The Architecture of Persistence—David Fannon 2021-08-19 The Architecture of Persistence argues that continued human use is the ultimate measure of sustainability in architecture, and that expanding the discourse about durability includes considering continuity as well as change offers the architectural manifestation of resilience. Why do some buildings last for generations as beloved and useful places, while others do not? How can architects today create buildings that remain useful into the future? While architects and theorists have offered a wide range of ideas about building for change, this book focuses on persistent architecture: the material, spatial, and cultural processes that give rise to long-lived buildings. Organized in three parts, this book examines material longevity in the face of constant physical and cultural change, connects the dimensions of human use and contemporary program, and discusses how time informs the design process. Featuring dozens of interviews with people who design and use buildings, and a close analysis of over a hundred historic and contemporary projects, the principles of persistent architecture introduced here address urgent challenges for contemporary practice while pointing towards a more sustainable built environment in the future. The Architecture of Persistence: Designing for Future Use offers practitioners, students, and scholars a set of principles and illustrative precedents exploring architecture’s unique ability to connect an instructive past, a useful present, and an unknown future.

An Encyclopaedia of Cottage, Farm and Villa Architecture and Furniture—Loudon 1833

Function and Fantasy: Iron Architecture in the Long Nineteenth Century—Paul Dobraszczyk 2016-07-01 The introduction of iron – and later steel – construction and decoration transformed architecture in the nineteenth century. While the structural employment of iron has been a frequent subject of study, this book re-directs scholarly scrutiny on its place in the aesthetics of architecture in the long nineteenth century. Together, its eleven unique and original chapters chart – for the first time – the global reach of iron’s architectural reception, from the first debates on how iron could be incorporated into architectural traditions and modernist ornament to the modernist discarding of its structural and ornamental roles. The book is divided into three sections. Formations considers the rising tension between the desire to translate traditional architectural orders, and the current feeling that iron buildings were themselves creating an entirely new field of aesthetic expression. Exchanges charts the commercial and cultural interactions that took place between British iron foundries and clients in far-flung locations such as Argentina, Jamaica, Nigeria and Australia. Expelling colonial control as well as local agency, iron buildings struck a balance between pre-fabricated functionalism and a desire to convey beauty, value and often exoticism through ornament. Transformations looks at the place of the aesthetics of iron architecture in the late nineteenth and early twentieth centuries, a period in which iron ornament sought to harmonize wide social ambitions while offering the tantalizing possibility that iron architecture as a whole could transform the fundamental meanings of ornament. Taken together, these chapters call for a re-evaluation of modernism’s supposed rationalist interest in nineteenth-century iron structures, one that has potentially radical implications for the recent ornamental turn in contemporary architecture.

The Death of Drawing—Lionel March 2014-06-05 The Death of Drawing explores the causes and effects of the epochal shift from drawing to computation as the chief design and communication medium. Drawing both framed the thinking and organized the design and construction process to place architects at its center. Its displacement by building information modeling (BIM) and computational design reconfigures both the terms in which architects think and their role in building production. Author David Roshe Scheer explains that, whereas drawing allowed architects to represent ideas in form, BIM and computational design simulate experience, making building behavior or performance the primary object of design. The author explores many ways in which this displacement is affecting architecture: the dominance of performance criteria in the evaluation of design decisions; the blurring of the separation of design and construction; the undermining of the architect’s place in the design process; and the devaluing of the human body as the common foundation of design and experience. The transformation of the meaning of geometry when it is performed by computers; the changing nature of design when it requires computation or is done by a digitally-enabled collaboration. Throughout the book, Scheer examines both the theoretical bases and the practical consequences of these changes. The Death of Drawing is a clear-eyed account of the reasons for and consequences of the displacement of drawing by computational media in architecture. Its aim is to give architects the ability to assess the impact of digital media on their own work and to see both the challenges and opportunities of this historic moment in the history of their discipline.

Partie Graphique Des Cours D'architecture Faits a L'école Royale Polytechnique Depuis Sa Réorganisation; Précédée D'un Sommaire Des Lecons Relatives a Ce Nouveau Travail. Par Quatremere de Quincy—Robert Jan van Pelt 1991-01-01 Explores the relationship between architectural history and the current practice of architecture. The authors draw on insights from anthropology, ancient history, theology, philosophy and the Holocaust. They also provide practical ideas which should help students build a more human world.

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