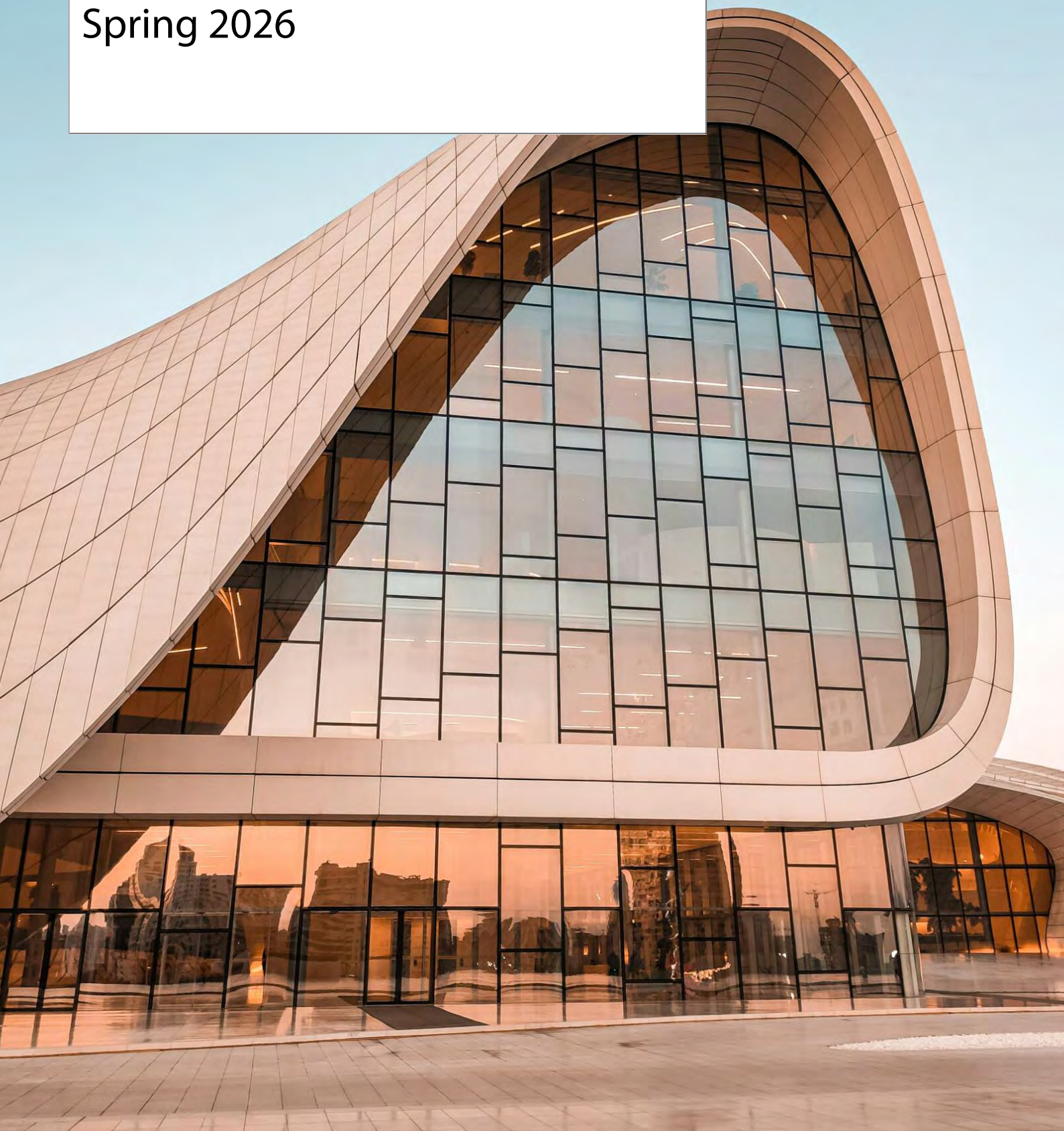


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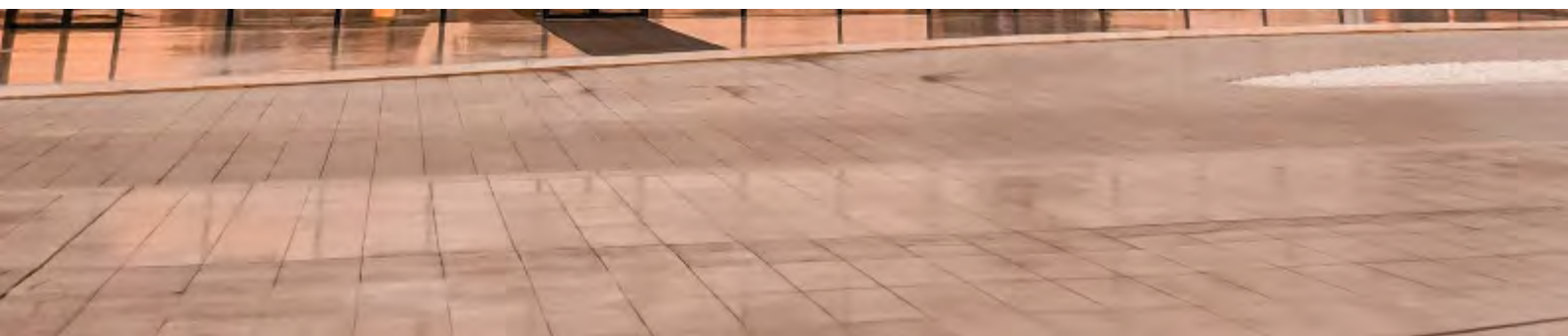


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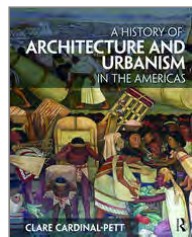
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A History of Architecture and Urbanism in the Americas



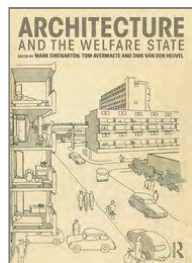
Clare Cardinal-Pett Iowa State University, USA

A History of Architecture and Urbanism in the Americas is the first comprehensive survey to narrate the urbanization of the Western Hemisphere, from the Arctic Circle to Antarctica, making it a vital resource to help you understand the built environment in this part of the world. Each chapter addresses developments throughout the hemisphere and includes information from various disciplines, original artwork, and historical photographs of everyday life, which - along with numerous maps, diagrams, and traditional built building photographs - will train your eye to see the built environment as you read about it.

Routledge
January 2016 : 554pp
Pb: 978-0-415-53493-2 : **£120**
Hb: 978-0-415-53492-5 : **£180**
eBook: 978-1-315-69181-7

* For full contents and more information, visit: www.routledge.com/9780415534932

Architecture and the Welfare State



Edited by Mark Swenarton University of Liverpool, UK,
Tom Avermaete TU Delft, The Netherlands, **Dirk van den Heuvel**

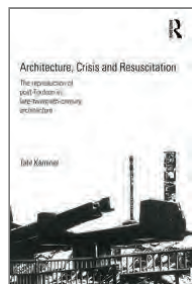
Architecture and the Welfare State is the first book to explore the architecture of the welfare state in Western Europe from an international perspective. With chapters covering Austria, Belgium, France, Germany, Italy, The Netherlands, Sweden and the UK, the book explores the complex role played by architecture in the formation and development of the welfare state in both theory and practice. Some of the themes include explorations of the role of the built environment in the welfare state as a political project and the role of welfare state projects in promoting consumer culture and economic growth.

Routledge
August 2014 : 360pp
Pb: 978-0-415-72540-8 : **£58.99**
Hb: 978-0-415-72539-2 : **£190**
eBook: 978-1-315-76692-8

* For full contents and more information, visit: www.routledge.com/9780415725408

Architecture, Crisis and Resuscitation

The Reproduction of Post-Fordism in Late-Twentieth-Century Architecture



Tahl Kaminer University of Edinburgh, UK

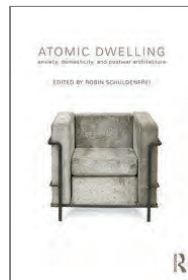
Studying the relation of architecture to society, this book explains the manner in which the discipline of architecture adjusted itself in order to satisfy new pressures by society. It offers an understanding of contemporary conditions and phenomena, from the ubiquity of landmark buildings to the celebrity status of architects. Selected Contents: Foreword Hilde Heynen Introduction Part 1: Crisis and Withdrawal Part 2: Autonomy and the Resuscitation of the Discipline Part 3: The Real Epilogue: From the Ideal to the Simulacra and Back

Routledge
January 2011 : 216pp
Pb: 978-0-415-57824-0 : **£54.99**
Hb: 978-0-415-57823-3 : **£190**
eBook: 978-0-203-83184-7

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Atomic Dwelling

Anxiety, Domesticity, and Postwar Architecture



Edited by Robin Schuldenfrei Humboldt University, Germany

International scholars from architecture, design, urban planning, and interior design here reappraise modern life in the context of practices of dwelling over the span of the postwar period. Reassessing culture and the economic and political effects on civilian life, this collection looks at what role material objects, interior spaces, and architecture played in quelling or fanning the anxieties of modernism's ordinary denizens. Selected Contents: Introduction Part 1: Psychological Constructions: Anxiety of Isolation and Exposure Part 2: Ideological Objects: Design and Representation Part 3: Societies of Consumers: Materialist Ideologies and Postwar Goods Part 4: Class Concerns and Conflict: Dwelling and Politics Homelessness

Routledge
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eBook: 978-0-203-14272-1

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Bauhaus Dream-house

Modernity and Globalization



Katerina Rüedi Ray Bowling Green State University, Ohio, USA

Series: Architect

A highly original and innovative study that brings critical social theory to bear on the ideas of architectural and design education at the Bauhaus - tracing the spread and influence of these ideas worldwide. Written for those in architectural and design education, architectural history and in critical pedagogy more generally, it is also for teachers and students in German art and cultural history and the many architects worldwide who continue to be fascinated by the ideas of the Bauhaus. Selected Contents: Introduction Prologue 1. Tracing-house 2. Dream-house Part 1: Weimar Republic, 1919-1933 3. Charnel-house 4. Ware-house Part 2: Europe and Beyond, 1919 - 1968 5. Club-house 6. School-house. Conclusion: House-of-the-Father

Routledge
April 2010 : 240pp
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Hb: 978-0-415-47581-5 : **£190**

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Built from Below: British Architecture and the Vernacular



Edited by Peter Guillery The Survey of London, English Heritage, UK

From the medieval to post-war, diverse fresh viewpoints in the chapters of this book show how building design emerges not just from architects, but also from the collective traditions of society. Selected Contents: 1. Introduction 2. Pre-Reformation Parish Churches 3. Following the Geometrical Design Path from Ely to Jamestown, Virginia 4. The Villa: Ideal Type or Vernacular Variant? 5. The York Retreat, 'a Vernacular of Equality' 6. Self-Conscious Regionalism: Dan Gibson and the Arts and Crafts House in the Lake District 7. Tudoresque Vernacular and the Self-Reliant Englishman 8. 'The Hollow Victory' and the Quest for the Vernacular: J.M. Richards and 'the Functional Tradition' 9. A Modernist Vernacular? The Hidden Diversity of Post-war Council Housing 10. From Longhouse to Live/Work Unit: Parallel Histories and Absent Narratives

Routledge
August 2010 : 224pp
Pb: 978-0-415-56533-2 : **£59.99**
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eBook: 978-0-203-84770-1

* For full contents and more information, visit: www.routledge.com/9780415565332

Constructing Building Enclosures

Architectural History, Technology and Poetics in the Postwar Era



Edited by **Clifton Fordham**

Constructing Building Enclosures investigates and interrogates tensions between the disciplines of architecture and engineering as they wrestled with technology and building cultures that evolved to deliver structures in the modern era. At the center of this history are inventive architects, engineers and projects that did not settle for conventional solutions, technologies and methods. An important read for students, educators, and researchers within architectural history, construction history, building technology and design, this volume sets out to disrupt common assumptions of how we understand this history.

Routledge

July 2020 : 278pp

Pb: 978-0-367-27625-6 : **£41.99**

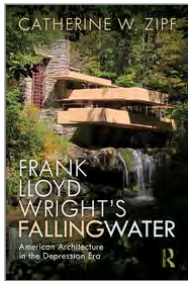
Hb: 978-0-367-27628-7 : **£155**

eBook: 978-0-429-29696-3

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Frank Lloyd Wright's Fallingwater

American Architecture in the Depression Era



Catherine W Zipf Massachusetts Institute of Technology, USA

Frank Lloyd Wright's Fallingwater explores the relationship between the economic tumult in the United States in the 1930s, Frank Lloyd Wright, and the construction of his most famous house, Fallingwater. Including over 50 black and white images, this book will be of great interest to students, historians, and researchers of art, architecture, and Frank Lloyd Wright.

Routledge

December 2020 : 204pp

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Glorious Visions

John Soane's Spectacular Theater



Helene Furján University of Pennsylvania, USA

Focusing on the house and museum and its considerable collections of architectural fragments, models, drawings folios and publications, this book is about 13 Lincoln's Inn Fields in London, built in the early 1800s by the renowned architect Sir John Soane. The house was highly original in its period, and continues to influence and impress architects and historians alike. Strongly interdisciplinary in its scope, this book situates Soane's house-museum within the broader context of early nineteenth-century British aesthetics, theories of taste, and cultural currents, viewing it as a cultural and artistic product as well as an architectural and museological one. Selected Contents: Introduction 1. Genius 2. Models 3. Scenes 4. Mirrors 5. Associations 6. Fictions 7. Shadows 8. Mementos Conclusion: The Poetry of Architecture

Routledge

April 2011 : 210pp

Pb: 978-0-415-78158-9 : **£54.99**

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Lina Bo Bardi

The Theory of Architectural Practice



Cathrine Veikos University of Pennsylvania, USA

Presenting the first English-language translation of *Propeadeutic Contribution to the Teaching of Architecture Theory* (Habitat, Ltd. São Paulo, 1957), a seminal text published in Portuguese by Lina Bo Bardi and arguably the first published writing on architecture theory by a practicing woman architect. An introductory section accompanies the translation. The book also includes the original text's illustration (over 240 b/w illustrations), providing a compelling counterpoint to its themes and arguments. Selected Contents: Part 1: Introduction Theory and Practice. Reading the Surface. Constructing a Theory of Practice Part 2: Propeadeutic Contribution to the Teaching of Architecture Theory by Lina Bo Bardi, translated by Cathrine Veikos 1. Problems of Architectural Theory 2. Problems of Method Appendix I, II, III

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December 2013 : 280pp

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Minoru Yamasaki and the Fragility of Architecture

Paul Kidder Seattle University, USA



Few figures in the American arts have stories richer in irony than does architect Minoru Yamasaki. While his twin towers of New York's World Trade Center are internationally iconic, few who know the icon recognize its architect's name or know much about his portfolio of more than two hundred buildings. This book undertakes a reinterpretation of Yamasaki's significance that combines architectural history with the study of his intersection with defining moments of American history and culture. Beautifully illustrated with over 100 colour illustrations, this book will be of interest to students in architectural history/theory, architectural preservation, and urban design.

Routledge

August 2021 : 272pp

Pb: 978-0-367-62952-6 : **£39.99**

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eBook: 978-1-003-11156-6

* For full contents and more information, visit: www.routledge.com/9780367629526

Modernism and American Mid-20th Century Sacred Architecture

Edited by **Anat Geva** Texas A&M University, USA



This book presents the challenges sacred architecture faced during the mid-20th century in America and explores how American architects pushed the envelope in the design of houses of worship. The contributions compiled by a stellar group of scholars and practitioners from the US, Australia, and Europe focus on religious buildings and are based on original archival and historical documents, and field visits to the buildings. These examinations address modernism as an expression of architectural design and its materiality, and the architectural reaction to changes in the liturgy of that time.

Routledge

October 2018 : 336pp

Pb: 978-1-138-06281-8 : **£46.99**

Hb: 978-1-138-06280-1 : **£155**

eBook: 978-1-315-16143-3

* For full contents and more information, visit: www.routledge.com/9781138062818

Modernism and the Professional Architecture Journal

Reporting, Editing and Reconstructing in Post-War Europe



Edited by **Torsten Schmiedeknecht** University of Liverpool, UK, **Andrew Peckham**

This book, through specialist essays on key European architecture journals, reveals how modernist architecture and its discourse was perceived and disseminated in different European countries. It highlights differences and similarities between journals in order to draw reciprocal conclusions about how the state of a 'contemporary' architecture was perceived at the time, including changes to the publication format and contents and the choice of architectural projects published.

Routledge
July 2018 : 234pp
Pb: 978-1-138-94522-7 : **£48.99**
Hb: 978-1-138-94516-6 : **£155**
eBook: 978-1-315-67154-3

* For full contents and more information, visit: www.routledge.com/9781138945227

NATØ: Narrative Architecture in Postmodern London



Claire Jamieson University of the Arts London, UK

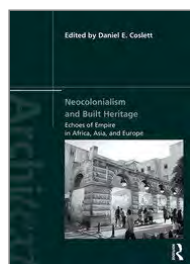
Chronicle the last radical architectural group of the twentieth century – NATØ (Narrative Architecture Today) – who emerged from the Architectural Association at the start of the 1980s, this book explores the group's work which echoed a wider artistic and literary culture that drew on the specific political, social and physical condition of 1980s London. It contains considerable unpublished archival material and is informed by interviews with the group and other significant individuals. This book sets out a more detailed, contextual history of NATØ, told through photographs, drawings, and ephemera, restoring a truer polyvocal narrative of the group's ethos and development.

Routledge
January 2017 : 272pp
Pb: 978-1-138-67484-4 : **£54.99**
Hb: 978-1-138-67481-3 : **£190**
eBook: 978-1-315-56102-8

* For full contents and more information, visit: www.routledge.com/9781138674844

Neocolonialism and Built Heritage

Echoes of Empire in Africa, Asia, and Europe



Edited by **Daniel E. Coslett**

Series: *Architext*

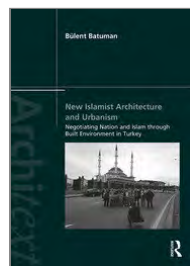
Neocolonialism and Built Heritage addresses the sustained presence and influence of historic built environments and processes inherited from colonialism within the contemporary lives of cities in Africa, Asia, and Europe. Novel in their focused consideration of ways in which these built environments reinforce neocolonialist connections among former colonies and colonizers, states and international organizations, the volume's case studies engage highly relevant issues such as historic preservation, heritage management, tourism, toponymy, and cultural imperialism.

Routledge
July 2019 : 292pp
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New Islamist Architecture and Urbanism

Negotiating Nation and Islam through Built Environment in Turkey



Bülent Batuman Bilkent University, Turkey

Series: *Architext*

New Islamist Architecture and Urbanism claims that, in today's world, a research agenda concerning the relation between Islam and space has to consider the role of Islamism rather than Islam in shaping –and in return being shaped by –the built environment. The book tackles this task through an analysis of the ongoing transformation of Turkey under the rule of pro-Islamic Justice and Development Party. In this regard, it is a topical book: a rare description of a political regime's re-shaping of urban and architectural forms whilst the process is alive.

Routledge
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Situate, Manipulate, Fabricate

An Anthology of the Influences on Architectural Design and Production



Edited by **Chad Schwartz**

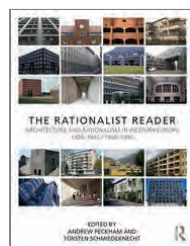
This anthology of selected works outlines three critical instigators of architecture, all tied directly to the tectonic makeup of our built environment – place, material, and assembly. With content from a diverse collection of notable architects, historians, and scholars, this book serves as a theoretical structure for understanding the tectonic potential of architecture. Situate, Manipulate, Fabricate offers an opportunity to explore the essential topics that affect the design and construction, as well as the experiential qualities, of our built environment.

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The Rationalist Reader

Architecture and Rationalism in Western Europe 1920–1940 / 1960–1990



Edited by **Andrew Peckham** University of Westminster, UK, **Torsten Schmiedeknecht** University of Liverpool, UK

The first reader to consolidate rationalism into an accessible primer, providing a survey of documents, invited contributions from leading theorists and an engaging and accessible editorial. Preface Introduction Part 1: Documents One 1920-1940 1.1 Rationalist Architecture: Type-Form and History 1.2 The New City 1.3 The Logic of Construction – Rationalization 1.4 Industrial Production and the Collective 1.5 Rationalism in Retrospect 1.6 Addendum Part 2: Documents Two 1960-1990 2.1 Architecture and the City 2.2 Logical Construction and Autonomy 2.3 Reproduction and Tradition 2.4 Neo-rationalism in Retrospect Postscript

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Third World Modernism

Architecture, Development and Identity



Edited by **Duanfang Lu** University of Sydney, Australia

This set of essays challenges interpretations of the development of modernist architecture in Third World countries during the Cold War. The topics look at modernism's part in the transnational development of building technologies and the construction of national and cultural identity. Selected Contents: Part 1: The Will of the Age Part 2: Building the Nation Part 3: Entangled Modernities Epilogue: Third World Modernism, or Just Modernism: Towards a Cosmopolitan Reading of Modernism

Routledge

November 2010 : 304pp

Pb: 978-0-415-56458-8 : **£50.99**

Hb: 978-0-415-56457-1 : **£200**

eBook: 978-0-203-84099-3

* For full contents and more information, visit: www.routledge.com/9780415564588

Urban Latin America

Images, Words, Flows and the Built Environment



Edited by **Bianca Freire-Medeiros , Julia O'Donnell**

Series: Architext

Urban Latin America brings together scholars with various disciplinary backgrounds and theoretical affiliations who critically approach urban experiences through visual accounts, texts and architectural elements. The reader is introduced to major theories, secondary sources and empirical references that have not been written about in English. Film and photography, fictional and historical writings, particular buildings and landmarks – all inspire fascinating glimpses into different moments in the biography of cities in Argentina, Brazil, Chile, Colombia, Ecuador, Mexico, Uruguay and Venezuela.

Routledge

May 2018 : 282pp

Pb: 978-1-138-65820-2 : **£46.99**

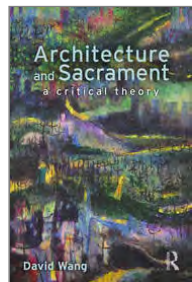
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Architecture and Sacrament

A Critical Theory



David Wang Washington State University, Pullman, USA

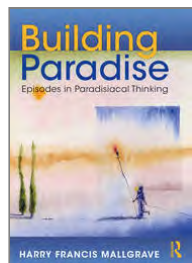
David Wang's *Architecture and Sacrament* considers contemporary architecture theory from a Christian theological perspective. Wang explains the social and cultural reasons why the theological literature tends to be separate from current literature in architecture theory. This book bridges the divide by showing, for example, how the loss of sacramental outlooks, which guided centuries of art and architecture in the West, can shed light on the plight of "big box stores," the environmental crisis and the loss of a sense of community.

Routledge
April 2020 : 216pp
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eBook: 978-1-351-24879-2

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Building Paradise

Episodes in Paradisiacal Thinking



Harry Francis Mallgrave

A sweeping historical study, *Building Paradise*, seeks to construct a garden ethic for the design arts. It is an ethic predicated on the idea that—with our recent ecological and biological insights—we can build more intelligently and more creatively than the status quo of current design practices. *Building Paradise* examines how the built environment shapes both the culture and outlook of a people. Written for students and academics within architecture and all related fields, this book focuses on the efforts to build paradise in a material way.

Routledge
September 2021 : 306pp
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Constructing the Architect

An Introduction to Design, Research, Planning, and Education



Leonard R. Bachman

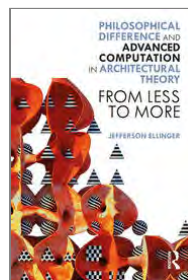
This introductory textbook provides a study of architecture rather than a study about architecture. Unlike books which concentrate on the monuments and other artefacts that architects produce, *An Introduction to Architecture* focuses on architecture as a disciplinary and professional process, a role in society, and a career of learning and mastery. In doing so, it offers a lens into the architecture of architecture. Featuring over 100 illustrations to support understanding of this highly visual subject, this is an essential introduction for any student seeking to understand what it means to be an architect and to enter the professional discourse.

Routledge
March 2019 : 210pp
Pb: 978-1-138-06271-9 : **£39.99**
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Philosophical Difference and Advanced Computation in Architectural Theory

From Less to More



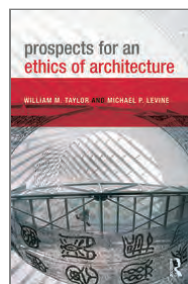
Jefferson Ellinger University of North Carolina, USA

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. *Philosophical Difference and Advanced Computation in Architectural Theory* is an influential read for students and academics of architectural theory, computational design and related areas.

Routledge
September 2021 : 180pp
Pb: 978-0-367-55427-9 : **£39.99**
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eBook: 978-1-003-19382-1

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Prospects for an Ethics of Architecture



William M. Taylor , Michael P. Levine both at University of Western Australia

Bringing together the reflections of an architectural theorist and a philosopher, this book encourages philosophers and architects, scholars and designers alike, to reconsider what they do as well as what they can do in the face of challenging times. It does so by exploring the notion that architecture and design can (and possibly should), in their own right, make for a distinctive form of ethical investigation. The built environment contributes to the inculcation of all sorts of values (good and bad). Thus, this book aims to change the way people commonly think about ethics, not only in relation to the built environment, but to themselves, their ways of thinking and modes of behaviour. Selected Contents: 1. Ethics, Architecture and Philosophy 2. Architecture, Ethics and Aesthetics 3. Architecture and Culture 4. Experiencing Architecture 5. Writing on 'The Wall' 6. Building Community

Routledge
February 2011 : 232pp
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Revealing Architectural Design

Methods, Frameworks and Tools



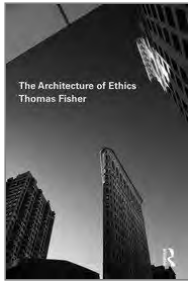
Philip D. Plowright Lawrence Technological University, USA

Revealing Architectural Design introduces the reader to architecture from the point of view of domains and syntax, techniques of creative and analytic thinking, and issues of relevance. 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. Useful to anyone interested in increasing the quality of their architectural design proposals through understanding the conceptual tools used to achieve that process.

Routledge
January 2014 : 352pp
Pb: 978-0-415-63902-6 : **£48.99**
Hb: 978-0-415-63901-9 : **£200**
eBook: 978-1-315-85245-4

* For full contents and more information, visit: www.routledge.com/9780415639026

The Architecture of Ethics



Thomas Fisher University of Minnesota, USA

Thomas Fisher's new book helps readers in architecture and other design disciplines to understand the major approaches to ethics and to apply them to the daily challenges they face in their work. The book covers each of the four dominant approaches to ethics: virtue ethics, social contract ethics, duty ethics, and utilitarian ethics. Each chapter examines the dilemmas designers face from the perspective of one of these categories. Written in an accessible, jargon-free style, the text also features 100 tables and diagrams to help integrate these concepts into the design process and to support visual understanding. Essential reading for all students in architecture and design.

Routledge

November 2018 : 242pp

Pb: 978-1-138-47944-9 : **£39.99**

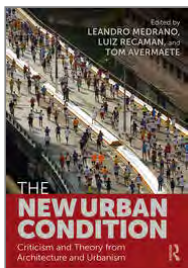
Hb: 978-1-138-47943-2 : **£155**

eBook: 978-1-351-06574-0

* For full contents and more information, visit: www.routledge.com/9781138479449

The New Urban Condition

Criticism and Theory from Architecture and Urbanism



Edited by **Leandro Medrano , Luiz Recamán , Tom Avermaete** ETH Zurich, Switzerland

This book explores new architectural and design perspectives on the contemporary urban condition. The diversely international selection of essays, from Brazil, Portugal, Spain, Sweden, the United States and the Netherlands, combine different theoretical and empirical perspectives into a new analysis of the city and architecture. Demonstrating the need for new critical urban and architectural thinking that engages with the challenges and processes of the contemporary urban condition, this volume will be a thought-provoking read for academics and students in architecture, urban design, geography, political science and more.

Routledge

April 2021 : 314pp

Pb: 978-0-367-60760-9 : **£39.99**

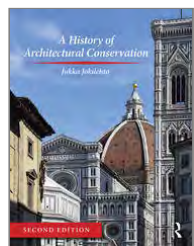
Hb: 978-0-367-60759-3 : **£155**

eBook: 978-1-003-10036-2

* For full contents and more information, visit: www.routledge.com/9780367607609

2ND EDITION

A History of Architectural Conservation



Jukka Jokilehto

The first book to provide a full history of the development of architectural conservation, Jukka Jokilehto's *A History of Architectural Conservation* is a landmark publication for students and professionals the world over. The book traces the global history of architectural conservation from antiquity right up to present day practice. The international conservation movement has expanded rapidly in recent years and the need to protect our ancient sites is as pressing as it ever has been. This accessible and well-written introduction to the history of architectural conservation is richly illustrated in full colour and will be an essential go-to guide for students and practitioners worldwide.

Routledge

October 2017 : 508pp

Pb: 978-1-138-63999-7 : **£65.99**

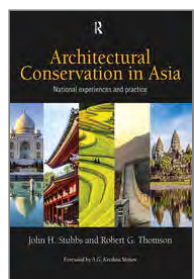
Hb: 978-1-138-63998-0 : **£200**

eBook: 978-1-315-63693-1

* For full contents and more information, visit: www.routledge.com/9781138639997

Architectural Conservation in Asia

National Experiences and Practice



John H. Stubbs, Robert G. Thomson

At a time when organized heritage protection in Asia is developing at a rapid pace, *Architectural Conservation in Asia* provides the first comprehensive overview of architectural conservation practice throughout the continent. The country by country analysis adopted by the book draws out local insights, best practice and solutions for effective cultural heritage management that will inform study and practice both in Asia and beyond. Architectural conservation professionals, site managers and students within Architecture, Planning, Archaeology and Heritage Studies will find this ambitious study an essential reference to architectural conservation in practice.

Routledge

June 2021 : 616pp

Pb: 978-1-032-09756-5 : **£35.99**

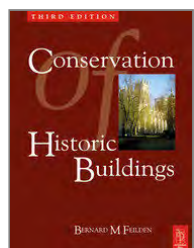
Hb: 978-1-138-92610-3 : **£145**

eBook: 978-1-315-68344-7

* For full contents and more information, visit: www.routledge.com/9781032097565

3RD EDITION

Conservation of Historic Buildings



Bernard Feilden

Since its publication in 1982, Sir Bernard Feilden's *Conservation of Historic Buildings* has become the standard text for architects and others involved in the conservation of historic structures. Leading practitioners around the world have praised the book as being the most significant single volume on the subject. This Third Edition is a revised and updated classic, including completely new sections on conservation of Modern Movement buildings and non-destructive investigation.

Routledge

June 2003 : 404pp

Pb: 978-0-750-65863-8 : **£94.99**

Hb: 978-1-138-17094-0 : **£190**

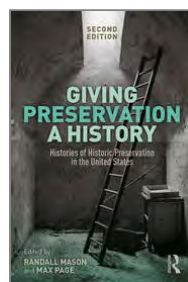
eBook: 978-0-080-50291-5

* For full contents and more information, visit: www.routledge.com/9780750658638

2ND EDITION

Giving Preservation a History

Histories of Historic Preservation in the United States



Edited by **Randall F. Mason, Max Page** University of Massachusetts - Amherst, USA

Giving Preservation a History explores the long history of historic preservation; how preservation movements have taken a leading role in shaping American urban space and development; how historic preservation battles have reflected broader social forces; and what the changing nature of historic preservation means for efforts to preserve national, urban and local heritage.

Routledge

November 2019 : 456pp

Pb: 978-0-367-02582-3 : **£54.99**

Hb: 978-0-367-02581-6 : **£140**

eBook: 978-0-429-39889-6

* For full contents and more information, visit: www.routledge.com/9780367025823

Human-Centered Built Environment Heritage Preservation

Theory and Evidence-Based Practice



Edited by **Jeremy C. Wells, Barry L. Stiefel**

Human-Centred Built Environment Heritage Preservation addresses the question of how a human-centered conservation approach can and should change practice. For the most part, there are few answers to this question because professionals in the heritage conservation field do not use social science research methodologies to manage cultural landscapes, assess historical significance, and inform the treatment of building and landscape fabric. With few exceptions, only academic theorists have explored these topics while failing to offer specific, usable guidance on how the social sciences can actually be used by heritage professionals.

Routledge

September 2018 : 370pp

Pb: 978-1-138-58395-5 : **£48.99**

Hb: 978-1-138-58394-8 : **£155**

eBook: 978-0-429-50635-2

* For full contents and more information, visit: www.routledge.com/9781138583955

Presenting Difficult Pasts Through Architecture

Converting National Socialist Sites to Documentation Centers



Rumiko Handa

Presenting Difficult Pasts through Architecture analyses four centers—Cologne, Nuremberg, Berlin, and Munich—and their shared intent to make material evidence of National Socialism involvement in authentic perpetrator sites which were part of both peaceful prior histories and now part of current everyday life. Applying original frameworks, Handa considers what more architectural design could do toward meaningful representations and interpretations.

Routledge

March 2021 : 222pp

Pb: 978-0-367-21762-4 : **£39.99**

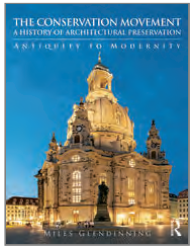
Hb: 978-0-367-21761-7 : **£155**

eBook: 978-0-429-26589-1

* For full contents and more information, visit: www.routledge.com/9780367217624

The Conservation Movement: A History of Architectural Preservation

Antiquity to Modernity



Miles Glendinning

Winner of the 2016 Antoinette Forrester Downing Award presented by the Society of Architectural Historians. In many cities across the world old buildings form a prominent part of the built environment, and we often take it for granted that their contribution is intrinsically positive. How has that widely-shared belief come about – and is its continued general acceptance inevitable? Glendinning authoritatively presents, for the first time, the entire history of architectural conservation, and traces its dramatic fluctuations in ideas and popularity, ending by questioning whether its recent international ascendancy can last indefinitely.

Routledge

January 2013 : 544pp

Pb: 978-0-415-54322-4 : **£67.99**

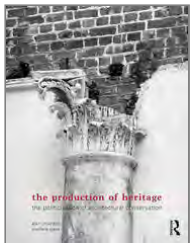
Hb: 978-0-415-49999-6 : **£190**

eBook: 978-0-203-08039-9

* For full contents and more information, visit: www.routledge.com/9780415543224

The Production of Heritage

The Politicisation of Architectural Conservation



Alan Chandler University of East London, UK, **Michela Pace** University of East London, UK

In this important book, the authors unpack the theoretical and practical issues around the development of heritage sites, critically dissecting key conservation benchmarks such as the ICOMOS guidelines, BS 7913 and the RIBA Conservation Plan of Work to reveal the mechanics of heritage guidance, its advantages and conceptual limitations. Clearly written for all levels of readership within the conservation professions and underpinned by an active understanding of the conservation philosophy of William Morris, the book presents 5 case studies from the UK, North and South America that speak about different facets of heritage value such as urban identity and commodification.

Routledge

December 2019 : 268pp

Pb: 978-0-367-07801-0 : **£50.99**

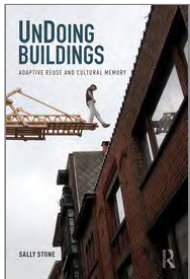
Hb: 978-0-367-07800-3 : **£155**

eBook: 978-0-429-02286-9

* For full contents and more information, visit: www.routledge.com/9780367078010

Undoing Buildings

Adaptive Reuse and Cultural Memory



Sally Stone Manchester School of Architecture, UK

Undoing Buildings: Adaptive Reuse and Cultural Memory discusses one of the greatest challenges for the twenty-first century society: what is to be done with the huge stock of existing buildings that have outlived the function for which they were built? Their worth is well recognised and the importance of retaining them has been long debated, but if they are to be saved, what is to be done with these redundant buildings?

Routledge

June 2019 : 266pp

Pb: 978-1-138-22663-0 : **£58.99**

Hb: 978-1-138-22661-6 : **£155**

eBook: 978-1-315-39722-1

* For full contents and more information, visit: www.routledge.com/9781138226630

Building Meaning

An Architecture Studio Primer on Design, Theory, and History



Tamara Metz

Building Meaning: An Architecture Studio Primer on Design, Theory, and History is an essential introduction to the complex relationship between form making, historical analysis, and conceptual explorations. The ideal book for beginning and intermediate architecture students, it gives specific methods to apply in the studio to make the most of the design process, as well as focused exercises to creatively explore each concept presented. Illustrated with over 200 color images, it enables readers to engage and understand critically the genesis of architectural ideas and their role in our social and cultural experience.

Routledge

December 2021 : 286pp

Pb: 978-0-367-62157-5 : **£38.99**

Hb: 978-0-367-62156-8 : **£155**

eBook: 978-1-003-10819-1

* For full contents and more information, visit: www.routledge.com/9780367621575

Conversations With Form

A Workbook for Students of Architecture



N. John Habraken Professor Emeritus, Massachusetts Institute of Technology, USA, **Andrés Mignucci**, **Jonathan Teicher** Architect and freelance editor, USA

Conversations with Form is a workbook for honing hands-on skills and tools of the architect's trade. Beautifully illustrated and focused on practical, usable information, the book provides architectural students with an accessible and useable handbook for their design practice. The text begins by familiarizing readers with utilizing step-by-step sequences of moves to steer the development of built form and rapidly moves to designs of increasing complexity. These design plays treat a wide-ranging series of topics including structures, patterns, types, systems and other kinds of shared form principles.

Routledge

June 2014 : 256pp

Pb: 978-0-415-70252-2 : **£50.99**

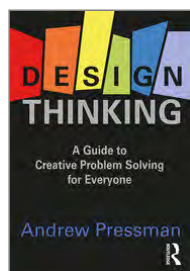
Hb: 978-0-415-70251-5 : **£190**

eBook: 978-1-315-77412-1

* For full contents and more information, visit: www.routledge.com/9780415702522

Design Thinking

A Guide to Creative Problem Solving for Everyone



Andrew Pressman University of Maryland, USA

Design thinking is a powerful process that facilitates the understanding and framing of problems and enables creative solutions. This book provides a primer in design thinking that is directed primarily to individuals, without any prerequisites, to solve myriad problems, from the most vexing to the everyday. Andrew Pressman does not apply a formulaic approach to design thinking, instead the process he describes is inherently dynamic and an analysis of the problem's context becomes a critical component of the method. Including interviews with select individuals who have practiced design thinking in a meaningful way, this is essential reading for any aspiring design thinker.

Routledge

November 2018 : 176pp

Pb: 978-1-138-67347-2 : **£35.99**

Hb: 978-1-138-67345-8 : **£155**

eBook: 978-1-315-56193-6

* For full contents and more information, visit: www.routledge.com/9781138673472

Designing Architecture

The Elements of Process



Andrew Pressman University of New Mexico, USA

Designing Architecture is an indispensable tool to assist both students and young architects in formulating an idea, transforming it into a building, and making effective design decisions. This highly focused book offers explicit guidance to students and young professionals on how to approach, analyze, and execute specific tasks; creative ideas in approaching and framing problems in design terms; specific methods to translate ideas to culturally significant, socially responsive, and environmentally sensitive buildings; case studies which augment the text and chronicle fascinating applications of the design process.

Routledge

December 2011 : 208pp

Pb: 978-0-415-59516-2 : **£38.99**

eBook: 978-0-203-12217-4

* For full contents and more information, visit: www.routledge.com/9780415595162

Developing Creative Thinking in Beginning Design



Edited by Stephen Temple University of Texas San Antonio, San Antonio, Texas, USA

Developing Creative Thinking in Beginning Design shows you how to focus on your students' capacities to ensure they're getting the most from your expertise. The book introduces you to concepts from education psychology, such as experiential learning, non-representational thinking, empathic learning, and direct engagement, to make your teaching both easier and more effective. Essays from 20 beginning design instructors cover the breadth and depth of the teacher-student relationship and how you can best help your students develop the capacity for long-term self-transformation. Includes 80 black and white images.

Routledge

October 2018 : 306pp

Pb: 978-1-138-65487-7 : **£46.99**

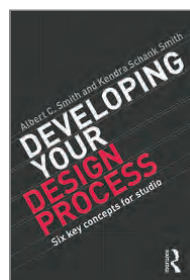
Hb: 978-1-138-65486-0 : **£155**

eBook: 978-1-315-62292-7

* For full contents and more information, visit: www.routledge.com/9781138654877

Developing Your Design Process

Six Key Concepts for Studio



Albert Smith Ryerson University, Toronto, Ontario, Canada, **Kendra Schank Smith** Ryerson University, Toronto, Ontario, Canada

This book is your primary source for acquiring knowledge of how and why you design. It will help you understand how architects think and learn why you should educate yourself about design culture. You'll explore what leads to a strong concept, realize the importance of sketching and drafts, focus your original concept into a visible idea, and learn to identify the strengths and weaknesses of your concept. You'll also be introduced to the language of design, architectural terminology, historic precedents, and designers. Illustrated throughout with international examples of work by professionals and students of architecture and other related design professions.

Routledge

October 2014 : 256pp

Pb: 978-0-415-84072-9 : **£44.99**

Hb: 978-0-415-84071-2 : **£200**

eBook: 978-1-315-79665-9

* For full contents and more information, visit: www.routledge.com/9780415840729

How to Read Architecture

An Introduction to Interpreting the Built Environment



Paulette Singley Woodbury University, Burbank, California, USA

How to Read Architecture is based on the fundamental premise that reading and interpreting architecture is something we already do, and that close observation matters. This book enhances this skill so that given an unfamiliar building, you will have the tools to understand it and to be inspired by it. Author Paulette Singley encourages you to misread, closely read, conventionally read, and unconventionally read architecture to stimulate your creative process.

Routledge
July 2019 : 410pp
Pb: 978-0-415-83620-3 : **£39.99**
Hb: 978-0-415-83618-0 : **£155**
eBook: 978-0-429-26238-8

* For full contents and more information, visit: www.routledge.com/9780415836203

Making Architecture Through Being Human

A Handbook of Design Ideas



Philip D. Plowright Lawrence Technological University, USA

This book is a reference and companion book for architectural foundation and design studios. It presents basic ideas that have developed through humans interacting with our world and each other. These ideas are embodied – we understand them without conscious thought and use them to make sense of more abstract situations. It is these ideas that form the basic principles of the formal design disciplines as we use them to interact with, and make sense of, our surroundings. This book focuses on their application to architecture and the design of the built environment. It is formatted as a dictionary that starts with simple concepts that are combined into more complex ideas and processes.

Routledge
December 2019 : 224pp
Pb: 978-0-367-20477-8 : **£25.99**
Hb: 978-0-367-20476-1 : **£105**
eBook: 978-0-429-26171-8

* For full contents and more information, visit: www.routledge.com/9780367204778

Processes of Creating Space

An Architectural Design Workbook



Georg Rafailidis The State University of New York at Buffalo, USA, **Stephanie Davidson** The State University of New York at Buffalo, USA

Processes of Creating Space is a workbook for beginning designers that shows how to generate space with user experiences in mind. The book explains how to seamlessly integrate architectural representation into your design process. Five assignments explore the relationship between design process and design tools, to help you learn when to incorporate perspective projection, hand-drawing, CAD, hot wire foam cutting, 3D modelling, multi-part plaster mold making, slip and plaster casting, monocoque shell structures, full-scale prototyping and more. Illustrated with more than 350 color images the book also includes a section on material fabrication techniques and a glossary of technical terms.

Routledge
July 2016 : 254pp
Pb: 978-1-138-90368-5 : **£65.99**
Hb: 978-1-138-90367-8 : **£200**
eBook: 978-1-315-69672-0

* For full contents and more information, visit: www.routledge.com/9781138903685

Solving Critical Design Problems

Theory and Practice



Tania Allen North Carolina State University, Raleigh, North Carolina, USA

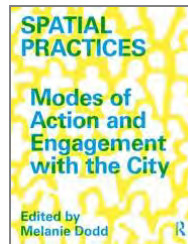
Solving Critical Design Problems encourages a design approach that challenges assumptions and allows designers to take on a more critical and creative role. With over 100 images, this book will appeal to students in design studios, industrial and product design, as well as landscape and urban design.

Routledge
June 2019 : 232pp
Pb: 978-0-367-02584-7 : **£39.99**
Hb: 978-0-367-02583-0 : **£155**
eBook: 978-0-429-39887-2

* For full contents and more information, visit: www.routledge.com/9780367025847

Spatial Practices

Modes of Action and Engagement with the City



Edited by **Melanie Dodd** Central Saint Martins, University of the Arts London, UK

This book explores forms of 'spatial practice': a loose and expandable set of techniques that embrace the architectural, the urban, the curatorial, the performative, the political, the digital, and the communicational as paths to participation and activism in contested urban spaces. It explores a variety of methods and techniques, physical and temporal manifestations, as well as their legacy and impact. Beautifully designed and in full color throughout, Spatial Practices advances dialogue and collaboration between academic and practice and is essential reading for students, researchers and professionals in architecture, urban policy and urban planning, and related fields.

Routledge
November 2019 : 286pp
Pb: 978-0-815-35187-0 : **£46.99**
Hb: 978-0-815-35186-3 : **£155**
eBook: 978-1-351-14004-1

* For full contents and more information, visit: www.routledge.com/9780815351870

The Design Student's Journey

understanding How Designers Think



Bryan Lawson Head of School and Dean of the Faculty of Architectural Studies, University of Sheffield, UK

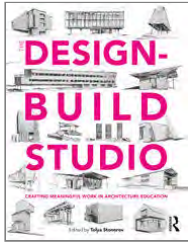
Learning to become a designer can be tremendous fun but it can also be frustrating and at times painful. What you have to do to become a designer is not often clearly laid out and can seem mysterious. Over the past fifty years or so we have discovered a great deal about How Designers Think. This book relies upon that knowledge but presents it in a way specifically intended to help the student and perhaps the teacher. Bryan Lawson's classic book How Designers Think has been in print since 1980 and has gone through four editions to keep it up to date. This book can be seen as a companion volume for the design student.

Routledge
December 2018 : 330pp
Pb: 978-1-138-32857-0 : **£39.99**
Hb: 978-1-138-32855-6 : **£160**
eBook: 978-0-429-44857-7

* For full contents and more information, visit: www.routledge.com/9781138328570

The Design-Build Studio

Crafting Meaningful Work in Architecture Education



Edited by **Tolya Stonorov** Norwich University, Northfield, Vermont, USA

The Design Build Studio examines sixteen international community driven design-build case studies through process and product, with preceding chapters on community involvement, digital and handcraft methodologies and a graphic Time Map. Together these projects serve as a field guide to the current trends in academic design-build studios. Design-build supports the idea that building, making and designing are intrinsic to each other: knowledge of one strengthens and informs the expression of the other. Hands on learning through the act of building what you design, translates theories and ideas into real world experience.

Routledge

November 2017 : 286pp

Pb: 978-1-138-12180-5 : **£52.99**

Hb: 978-1-138-12179-9 : **£190**

eBook: 978-1-315-65074-6

* For full contents and more information, visit: www.routledge.com/9781138121805

The Making of Things

Modeling Processes and Effects in Architecture



Edited by **Frank Jacobus** University of Arkansas, USA, **Angela Carpenter** University of Arkansas, USA, **Rachel Smith Loerts** University of Arkansas, USA, **Justin M. Tucker** University of Arkansas, USA, **Randal Dickinson** University of Arkansas, USA

The Making of Things is about effect and intention in the schematic architectural model, a deep dive into the nature of architectonic form as the underlying syntax for all architectural work. This is a must-have desk reference for beginning architecture and interior design students to stimulate their creative approaches and gain foundational knowledge of the underlying effects of formal typologies and how they manifest themselves in built forms around the world.

Routledge

July 2021 : 304pp

Pb: 978-0-367-41519-8 : **£38.99**

Hb: 978-0-367-41520-4 : **£155**

eBook: 978-0-367-81499-1

* For full contents and more information, visit: www.routledge.com/9780367415198

What an Architecture Student Should Know



Jadwiga Krupinska Royal Institute of Technology (KTH), Stockholm, Sweden

Every architecture student is initially baffled by architecture school, but What an Architecture Student Should Know will guide you through the program, help you live up to your expectations, and finally know what is going on. You will learn key skills such as what the critique process is meant to achieve, how to cope with uncertainty in the design process and how to develop the ability to synthesize the complexity of architecture in terms of function, durability, and beauty. Key concepts are defined throughout and references at the end of each chapter will point you to further reading so you can delve into topics you find particularly interesting.

Routledge

April 2014 : 288pp

Pb: 978-0-415-70233-1 : **£50.99**

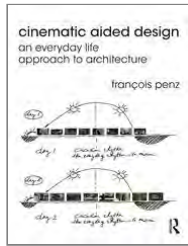
Hb: 978-0-415-70232-4 : **£200**

eBook: 978-1-315-79793-9

* For full contents and more information, visit: www.routledge.com/9780415702331

Cinematic Aided Design

An Everyday Life Approach to Architecture



François Penz University of Cambridge, UK

Written by a world-renowned expert in the field, *Cinematic Aided Design*, provides an alternative and complementary 'intelligence' to the current trends in architectural thinking. In particular it proposes a new form of 'architectural animation', in the form of 'fly--throughs' and 'walk--throughs' of buildings and cities, which have become the standard means for architects and urban designers to use the moving image. By informing and enriching the design process with the power of the moving image and its screen language, the book provides architects with new tools for the digital design process.

Routledge

August 2017 : 262pp

Pb: 978-0-415-63908-8 : **£54.99**

Hb: 978-0-415-63907-1 : **£155**

eBook: 978-1-315-72299-3

* For full contents and more information, visit: www.routledge.com/9780415639088

Cine-scapes

Cinematic Spaces in Architecture and Cities



Richard Koeck University of Liverpool, UK

Cine-scapes ignites new ways of seeing, thinking and debating the nature of architecture and urban spaces. Drawing on the author's extensive knowledge it demonstrates that the postmodern, architectural condition in which we live is in fundamental terms filmic and emphasizes how cine-tectural tendencies are taking place or finding their way into urban practices. Can be used as a tool for educators, students and practitioners in architecture and urban design to explore design issues relating to contemporary architecture and cities. Selected Contents: Introduction Part 1: Film, Mind and Body Part 2: Cinema, Architecture and the Everyday Part 3: Urbanity and Image

Routledge

August 2012 : 224pp

Pb: 978-0-415-60079-8 : **£54.99**

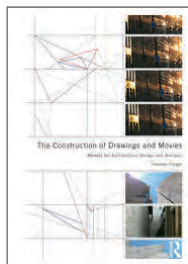
Hb: 978-0-415-60078-1 : **£170**

eBook: 978-0-203-72118-6

* For full contents and more information, visit: www.routledge.com/9780415600798

The Construction of Drawings and Movies

Models for Architectural Design and Analysis



Thomas Forget University of North Carolina at Charlotte, USA

Demonstrates how to construct analytical drawings and movies that challenge the alleged realism of linear perspective and cinema. These demonstrations expose you to underlying principles that will allow you to understand the broader implications of these methods. In addition, historical surveys of drawings and movies provide you with insight into how architects and architectural historians have understood the role of linear perspective and cinema in their fields. Finally, examples of drawing and moviemaking strategies illustrate how you can apply the lessons of the book to precedent analyses and design projects.

Routledge

August 2012 : 272pp

Pb: 978-0-415-89840-9 : **£59.99**

Hb: 978-0-415-89839-3 : **£200**

eBook: 978-0-203-10013-4

* For full contents and more information, visit: www.routledge.com/9780415898409

Cantilever Architecture



Kyoung Sun Moon Yale University, New Haven, Connecticut, USA

Cantilever Architecture shows you how to integrate cantilever designs into your building from conception, to help you create support-free structures without the need for columns or walls, whether for balconies, stairs, to occupy the air rights of the lot next door, or to build super tall buildings. The book includes 78 built case studies in 22 countries on 5 continents to illustrate various systems and their load carrying mechanisms at different scales. Includes an appendix on cantilevered furniture and more than 240 black and white images.

Routledge
November 2018 : 276pp
Pb: 978-1-138-67421-9 : **£48.99**
Hb: 978-1-138-67418-9 : **£155**
eBook: 978-1-315-56144-8

* For full contents and more information, visit: www.routledge.com/9781138674219

Complex Housing

Designing for Density



Julia Williams Robinson University of Minnesota, Minneapolis, Minnesota, USA

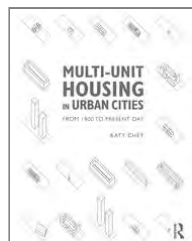
Complex Housing introduces an architectural type called complex housing, common to the Netherlands and found in other Northern European countries. Eight fully illustrated case studies show successful approaches to designing for density, which reflect values such as long-term planning, a right to housing, and access to light and air. The case studies demonstrate a wide range of applications including a mixture of urban and suburban sites, various numbers of dwelling units, low- to high- density approaches, different architectural styles, and organizational strategies that can be adopted in projects elsewhere. More than 350 color images.

Routledge
September 2017 : 290pp
Pb: 978-1-138-19250-8 : **£59.99**
Hb: 978-1-138-19249-2 : **£155**
eBook: 978-1-315-63992-5

* For full contents and more information, visit: www.routledge.com/9781138192508

Multi-Unit Housing in Urban Cities

From 1800 to Present Day



Katy Chey University of Toronto, Ontario, Canada

Multi-Unit Housing in Urban Cities compares multi-dwelling unit housing typologies developed in ten major cities on three continents during the last two hundred years, to ground you so you can improve your own designs. Author Katy Chey identifies fourteen housing types, including infill, block, tenement, solitaire, and high-rise tower, to help you decide which strategy best fits your site. The book is organized chronologically by city, including London, Paris, New York, Tokyo, Hong Kong, Beijing, Shanghai, Berlin, Amsterdam, and Toronto, to show you how each type developed as a result of its time and place. More than 350 color images.

Routledge
October 2017 : 358pp
Pb: 978-1-138-18995-9 : **£44.99**
Hb: 978-1-138-18994-2 : **£200**
eBook: 978-1-315-64135-5

* For full contents and more information, visit: www.routledge.com/9781138189959

2ND EDITION

The Housing Design Handbook

A Guide to Good Practice



David Levitt Levitt Bernstein Associates, UK, **Jo McCafferty** Levitt Bernstein Associates, UK

Bringing together a wealth of experience from a wide range of housing experts, this completely revised edition of The Housing Design Handbook provides an authoritative, comprehensive and systematic guide to best practice in what is perhaps the most contentious and complex field of architectural design. This book sets out design principles for all the essential components of successful housing design – including place-making, typologies and density, internal and external space, privacy, security, tenure, and community engagement – illustrated in full colour with case studies of schemes by architecture practices working across the UK and continental Europe.

Routledge
October 2018 : 360pp
Pb: 978-1-138-56895-2 : **£52.99**
Hb: 978-1-138-56892-1 : **£155**
eBook: 978-0-203-70451-6

* For full contents and more information, visit: www.routledge.com/9781138568952

University Architecture



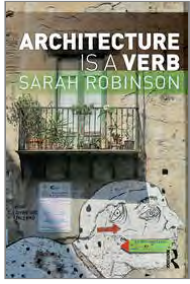
Brian Edwards Royal Danish Academy of Fine Arts, Denmark

First Published in 2001. Routledge is an imprint of Taylor & Francis, an informa company.

Taylor & Francis
November 2015 : 188pp
Pb: 978-1-138-98653-4 : **£50.99**
Hb: 978-0-419-24440-0 : **£165**
eBook: 978-1-315-02505-6

* For full contents and more information, visit: www.routledge.com/9781138986534

Architecture is a Verb



Sarah Robinson Aalborg University, Denmark

Architecture is a Verb outlines an approach that shifts the fundamental premises of architectural design and practice in several important ways. It asks what a building does—that is, extends the performative functional interpretation of design to interrogate how buildings move and in turn move us, how they shape thought and action. This book articulates concrete situations by developing a taxonomy of human/building interactions. Written in engaging prose for students of architecture, interiors and urban design, as well as practising professionals, Sarah Robinson offers richly illustrated practical examples for a new generation of designers.

Routledge
March 2021 : 274pp
Pb: 978-0-367-61036-4 : **£38.99**
Hb: 978-0-367-61037-1 : **£155**
eBook: 978-1-003-10300-4

* For full contents and more information, visit: www.routledge.com/9780367610364

Beginning Design Technology



Mike Christenson Associate Professor of Architecture, North Dakota State University, Fargo, North Dakota, USA

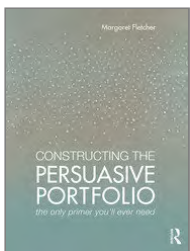
Beginning Design Technology introduces how design technologies work together, including tools, materials, and software, such as Adobe Photoshop, Adobe Illustrator, Autodesk AutoCAD, and others. It teaches you how to think about each design tool, whether a software program or physical modelmaking, so that you will select one for its strengths for a specific task and know when and how to combine it with other tools. Chapter Summaries, exercises, discussion questions, a glossary, an appendix of common software commands, and an annotated bibliography will help you find what you need quickly and put the information into practice.

Routledge
December 2015 : 204pp
Pb: 978-0-415-74795-0 : **£58.99**
Hb: 978-0-415-74794-3 : **£200**
eBook: 978-1-315-79676-5

* For full contents and more information, visit: www.routledge.com/9780415747950

Constructing the Persuasive Portfolio

The Only Primer You'll Ever Need



Margaret Fletcher Auburn University, Auburn, Alabama, USA

Constructing the Persuasive Portfolio helps you learn the art of designing a compelling and effective architectural portfolio. Margaret Fletcher categorizes the architectural portfolio design process into a step-by-step method that you can manage and understand. The full-color book includes 400 portfolio examples from 55 designers, along with more than 50 diagrams, and a set of 48 design actions that are marked throughout. Learn how to identify your readership; collect, document, and catalog your work; organize your portfolio; visually structure your portfolio; design your layout; and manage both printed and digital portfolio formats.

Routledge
September 2016 : 260pp
Pb: 978-1-138-86097-1 : **£52.99**
Hb: 978-1-138-86096-4 : **£200**
eBook: 978-1-315-71617-6

* For full contents and more information, visit: www.routledge.com/9781138860971

2ND EDITION

Diagramming the Big Idea

Methods for Architectural Composition



Jeffrey Balmer University of North Carolina at Charlotte,
Michael Swisher University of North Carolina at Charlotte

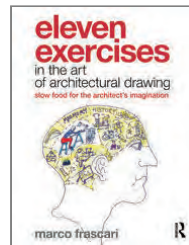
In the second edition of *Diagramming the Big Idea*, Jeffrey Balmer and Michael T. Swisher illustrate how you can create and use diagrams to clarify your understanding of both particular projects and organizing principles and ideas. With accessible, step-by-step exercises that interweave full color diagrams, drawings and virtual models, the authors clearly show you how to compose meaningful and useful diagrams. Whether preparing for a desk critique, or any time when a fundamental insight can help to resolve a design problem, this new and expanded edition is your essential studio resource.

Routledge
February 2019 : 330pp
Pb: 978-1-138-54990-6 : **£50.99**
Hb: 978-1-138-54989-0 : **£155**
eBook: 978-0-429-50667-3

* For full contents and more information, visit: www.routledge.com/9781138549906

Eleven Exercises in the Art of Architectural Drawing

Slow Food for the Architect's Imagination



Marco Francari Carleton University, Canada

This book deals with the critical nature and crucial role of architectural drawings. Organized around eleven exercises, the book does not emphasize speed, nor incorporate many timesaving tricks typical of drawing books, but rather proposes a slow, meditative process for construing drawings and for drawing construing thoughts. Selected Contents: Preface 1. Architectural Iconoclasm 2. The Cosmopoiesis of Architectural Drawings 3. Festina Lente 4. Drawings as Loci for Thought 5. The Pregnancy of Drawings 6. Nullo die sine linea 7. Architectural Consciousness 8. Architectural Brouillons: Work Intended to be Recopied 9. Cosmopoiesis and Elegant Drawings 10. Traces and Architecture 11. Tools for Architectural Thinking 12. Disegnare Designare 13. The Light of Drawing Imagination 14. Cosmopoiesis and World-Making. Postfac

Routledge
February 2011 : 224pp
Pb: 978-0-415-77926-5 : **£52.99**
Hb: 978-0-415-77925-8 : **£200**
eBook: 978-0-203-83585-2

* For full contents and more information, visit: www.routledge.com/9780415779265

Graphic Design for Architects

A Manual for Visual Communication



Karen Lewis Ohio State University, USA

A studio handbook of techniques, explanations and examples of successful graphic design relevant to architects, this book covers a variety of scales of graphic design - everything from portfolio design and competition boards, to signage and building super-graphics - to address every stage of the reader's architectural career. Beautifully illustrated in full color, a global range of cases bring the principles to life.

Routledge
June 2015 : 224pp
Pb: 978-0-415-52261-8 : **£44.99**
Hb: 978-0-415-52260-1 : **£190**
eBook: 978-1-315-73156-8

* For full contents and more information, visit: www.routledge.com/9780415522618

2ND EDITION

How Architects Write



Tom Spector Oklahoma State University, Stillwater, USA,
Rebecca Damron Oklahoma State University, Stillwater, USA

How Architects Write shows you the interdependence of writing and design in both student and professional examples. This fully updated edition features more than 50 color images, a new chapter on online communication, and sections on critical reading, responding to requests for proposals, the design essay, storyboarding, and much more. Includes resources for how to write history term papers, project descriptions, theses, proposals, research reports, specifications, field reports, client communications, post-occupancy evaluations, and e-mailed meeting agendas, so that you can navigate your career from school to professional practice.

Routledge
 May 2017 : 280pp
 Pb: 978-1-138-94727-6 : **£35.99**
 Hb: 978-1-138-94725-2 : **£190**
 eBook: 978-1-315-67015-7

* For full contents and more information, visit: www.routledge.com/9781138947276

How Drawings Work

A User-Friendly Theory



Susan Piedmont-Palladino Washington Alexandria Architecture Center, Virginia Polytechnic Institute and State University, Alexandria, Virginia, USA

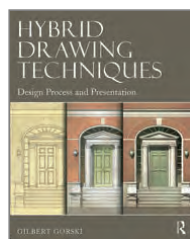
How Drawings Work cheekily explains that what architects make is information that enables other people to make buildings. That information comes in a variety of forms: drawings by hand and computer, models both physical and virtual, and words as needed. The book reflects in witty prose on the nature of architectural drawings as tools of communication, pulling from a diverse and eclectic landscape of theories from grammar, functional linguistics, philosophy, art criticism, science fiction, popular culture, and, of course, architecture, to propose a new way to think about architectural communication. More than 50 color images.

Routledge
 January 2019 : 198pp
 Pb: 978-1-138-69297-8 : **£52.99**
 Hb: 978-1-138-69296-1 : **£155**
 eBook: 978-1-315-53141-0

* For full contents and more information, visit: www.routledge.com/9781138692978

Hybrid Drawing Techniques

Design Process and Presentation



Gilbert Gorski University of Notre Dame, Indiana, USA

Hybrid Drawing Techniques: Design Process and Presentation reaffirms the value of traditional hand drawing in the design process by demonstrating how to integrate it with digital techniques; enhancing and streamlining the investigative process while at the same time yielding superior presentation images. This book is a full-color foundations guide to both approaches: sketching, hardline drawing, perspective drawing, digital applications, and Adobe Photoshop; providing step-by-step demonstrations and examples from a variety of professional and student work for using and combining traditional and digital tools.

Routledge
 January 2015 : 258pp
 Pb: 978-0-415-70226-3 : **£83.99**
 Hb: 978-0-415-70225-6 : **£190**
 eBook: 978-1-315-75394-2

* For full contents and more information, visit: www.routledge.com/9780415702263

Seeing and Making in Architecture

Design Exercises



Taiji Miyasaka Washington State University, USA

Presenting techniques for mapping and making hands-on design/build projects, this guide offers new ways of seeing and making that will help your creative design process and enable you to experience moments of ingenuity in your design. More than 100 color images. Part 1: Seeing 1. Mapping a Structure Exercise: Silo 2. Mapping a Physical Movement Exercise: Hands Interview: Yoshiharu Tsukamoto, Atelier Bow-Wow Part 2: Making 4. Imagery Exercise: Making a Screen 7. Geometric Scale Exercise: Making a Cube Interview: Jesse Reiser and Nanako Umemoto

Routledge
 September 2013 : 176pp
 Pb: 978-0-415-62184-7 : **£52.99**
 Hb: 978-0-415-62183-0 : **£200**
 eBook: 978-0-203-49390-8

* For full contents and more information, visit: www.routledge.com/9780415621847

The Architect's Guide to Effective Self-Presentation



Andreas Luescher Bowling Green State University, Ohio, USA

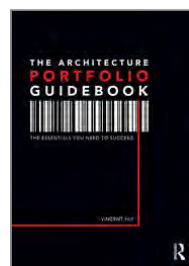
In today's increasingly competitive marketplace, the creation of a successful resume is a vital skill needed by architectural students and professionals alike. This book demystifies the architecture resume, its working strategy and its purposes. Highly illustrated with case study resumes and project types from students and individual architects and practices. In tandem with Luescher's The Architect's Portfolio or on its own, it is essential reading for anyone looking to further their architectural career.

Routledge
 October 2013 : 156pp
 Pb: 978-0-415-78345-3 : **£39.99**
 Hb: 978-0-415-78344-6 : **£160**

* For full contents and more information, visit: www.routledge.com/9780415783453

The Architecture Portfolio Guidebook

The Essentials You Need to Succeed



Vincent Hui Ryerson University, Toronto, Ontario, Canada

The Architecture Portfolio Guidebook shows you how to make portfolios for both academic and professional needs to provide reviewers exactly what they're looking for. In school, architecture curricula nurtures the knowledge and skills to develop design work to varying levels of presentation. In the profession, those skills are further developed and applied in the creation of the built environment. In both contexts, a portfolio is a core component for admission and advancement.

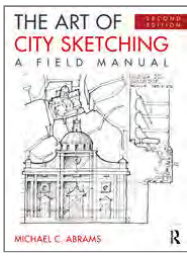
Routledge
 December 2019 : 278pp
 Pb: 978-0-415-78704-8 : **£41.99**
 Hb: 978-0-415-78703-1 : **£140**
 eBook: 978-1-315-22643-9

* For full contents and more information, visit: www.routledge.com/9780415787048

2ND EDITION

The Art of City Sketching

A Field Manual



Michael Abrams Clinical Associate Professor at the University of Maryland–College Park

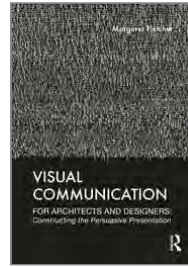
The Art of City Sketching: A Field Manual guides readers through the process of free-hand architectural sketching and explains orthographic, diagrammatic, three-dimensional, and perceptual-type drawings. The new edition of The Art of City Sketching expands on the drawing techniques of the previous version by adding new drawing examples, exercises, and two new chapters—Chiaroscuro and Storyboard. The lessons in this book will allow those with beginners, intermediate, and advanced skills to mix method with imagination and sensibility.

Routledge
May 2021 : 468pp
Pb: 978-0-367-45896-6 : **£50.99**
Hb: 978-0-367-45899-7 : **£155**
eBook: 978-1-003-02603-7

* For full contents and more information, visit: www.routledge.com/9780367458966

Visual Communication for Architects and Designers

Constructing the Persuasive Presentation



Margaret Fletcher Auburn University, Auburn, Alabama, USA

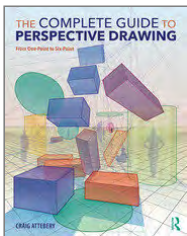
Visual Communication for Architects and Designers teaches you the art of designing a concise, clear, compelling and effective visual and verbal presentation. Margaret Fletcher has developed a reference manual of best practices that gives you the necessary tools to present your work in the best way possible. Your ability to communicate your design ideas to others is an invaluable and important skill. Visual Communication for Architects and Designers shows you how to develop and implement these skills and gain command of your presentations.

Routledge
September 2020 : 296pp
Pb: 978-0-367-13463-1 : **£33.99**
Hb: 978-0-367-13461-7 : **£155**
eBook: 978-0-429-02662-1

* For full contents and more information, visit: www.routledge.com/9780367134631

The Complete Guide to Perspective Drawing

From One-Point to Six-Point



Craig Attebery Art Center, Pasadena, California, USA

The Complete Guide to Perspective Drawing helps you make scientifically accurate and helpful conceptual illustrations to cover simple and complex situations. You will learn step-by-step how to draw in one-point through six-point perspective, but also how to draw spirals and ellipses, as well as how to show shadows and reflections. Includes a glossary and more than 400 black and white images.

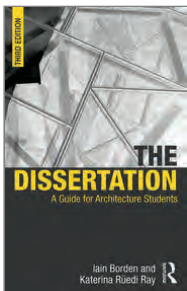
Routledge
May 2018 : 370pp
Pb: 978-1-138-21562-7 : **£54.99**
Hb: 978-1-138-21560-3 : **£155**
eBook: 978-1-315-44356-0

* For full contents and more information, visit: www.routledge.com/9781138215627

3RD EDITION

The Dissertation

A Guide for Architecture Students



Iain Borden University College London, UK, **Katerina Rüedi Ray** Bowling Green State University, Ohio, USA

Comprehensive guide covering everything an architecture students might need to know about undertaking a dissertation. Provides coverage of the whole process, from starting, writing, preparing and submitting a dissertation with minimum stress and frustration. This third edition has been revised throughout to bring the text completely up-to-date for a new generation of students. Crucially, five new complete dissertations have been added to exemplify the advice given and issues raised in the text. These dissertations are on subjects from the UK, USA, Europe and Asia and offer invaluable insights into how to get your dissertation right.

Routledge
May 2014 : 272pp
Pb: 978-0-415-72536-1 : **£35.99**
Hb: 978-1-138-16851-0 : **£140**
eBook: 978-1-315-79525-6

* For full contents and more information, visit: www.routledge.com/9780415725361

Beyond BIM

Architecture Information Modeling



Danelle Briscoe Assistant Professor, Austin School of Architecture, University of Texas, USA

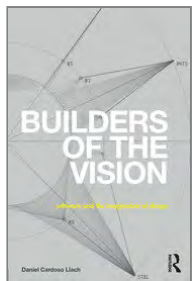
Beyond BIM explores the vast and under-explored design potential undertaken by information modeling. Through a series of investigations grounded in the analysis of built work, interviews with leading practitioners, and speculative projects, the author catalogs the practical advantages and theoretical implications of exploiting BIM as a primary tool for design innovation. The book serves as a primary resource for professional architects from practice, researchers and designers engaged in information related spatial design processes, as well as students and faculties of architecture schools in search of BIM design inspiration.

Routledge
December 2015 : 264pp
Pb: 978-1-138-78249-5 : **£65.99**
Hb: 978-1-138-78248-8 : **£180**
eBook: 978-1-315-76899-1

* For full contents and more information, visit: www.routledge.com/9781138782495

Builders of the Vision

Software and the Imagination of Design



Daniel Cardoso Llach Carnegie Mellon University, USA

Builders of the Vision reveals how post-war architectural software for simulation and analysis has reconfigured how architects think about design, work, and authorship. Drawing from primary ethnographic and archival sources, the book looks at everything from ink drawings on vellum to interactive 3D interfaces of parametric and building information modeling (BIM) software. Topics include: engineers' discussions on cybernetic design; the first computer-aided design (CAD) systems at MIT; software entrepreneurs urging design and construction integration; and managers whose ideologies shaped the early user interfaces, which today affects how modern BIM professionals work.

Routledge
June 2015 : 226pp
Pb: 978-0-415-74499-7 : **£65.99**
Hb: 978-0-415-74497-3 : **£190**
eBook: 978-1-315-79824-0

* For full contents and more information, visit: www.routledge.com/9780415744997

Building Information Modeling



Karen Kensek University of Southern California, USA

Series: PocketArchitecture

A design guide for architects, engineers, and contractors which covers the principles and specific applications of building information modeling (BIM). BIM has the potential to revolutionise the building industry and yet, not all architects and construction professionals fully understand the benefits of BIM or even the fundamental concepts behind it. Part of the PocketArchitecture Series, it includes two parts: fundamentals and applications. Providing a comprehensive overview of all the necessary and essential issues, it also includes case studies from a range of projects to illustrate key concepts clearly and is further supported by a wide range of visual aids.

Routledge
April 2014 : 312pp
Pb: 978-0-415-71774-8 : **£35.99**
Hb: 978-0-415-71773-1 : **£155**
eBook: 978-1-315-79707-6

* For full contents and more information, visit: www.routledge.com/9780415717748

Data, Matter, Design

Strategies in Computational Design



Edited by **Frank Melendez** City College of New York, USA,
Nancy Diniz University of the Arts, London, UK, **Marcella Del Signore** New York Institute of Technology, USA

This book presents a comprehensive overview of current design processes that rely on the input of data and use of computational design strategies, and their relationship to an array of physical outputs. Richly illustrated with over 200 images, it is an essential read for students, academics, and professionals to evaluate and discuss how data in design methodologies and theoretical discourses have evolved in the last two decades and why processes of data collection, measurement, quantification, simulation, algorithmic control, and their integration into methods of reading and producing spatial conditions, are becoming vital in academic and industry practices.

Routledge
September 2020 : 308pp
Pb: 978-0-367-36909-5 : **£38.99**
Hb: 978-0-367-36913-2 : **£155**
eBook: 978-0-367-36915-6

* For full contents and more information, visit: www.routledge.com/9780367369095

Design Computing

An Overview of an Emergent Field



Brian Johnson University of Washington, Seattle, Washington, USA

Design Computing will help you understand the rapidly evolving relationship between computing, designers, and the many different environments they create or work in. The book introduces the topic of design computing, and covers the basics of hardware and software, so you don't need to be an expert. Topics include the fundamentals of digital representation, programming and interfaces for design; the shifting landscape of opportunity and expectation in practice and pedagogy; placing sensors in buildings to measure performance; and the challenge of applying information effectively in design. The book also includes additional reading for those who wish to dig deeper into the subject.

Routledge
November 2016 : 220pp
Pb: 978-1-138-93097-1 : **£65.99**
Hb: 978-1-138-93096-4 : **£190**
eBook: 978-1-315-68005-7

* For full contents and more information, visit: www.routledge.com/9781138930971

Digital Design Exercises for Architecture Students



Edited by **Jason Johnson** University of Calgary, Alberta, Canada, **Joshua Vermillion** University of Nevada Las Vegas, USA

Digital Design Exercises for Architecture Students teaches you the basics of digital design and fabrication tools with creative design exercises, featuring over 200 illustrations, which emphasize process and evaluation. Software neutral and jargon-free, the clear introductions to key concepts and terms help you experiment and build your digital media skills. During the fabrication exercises you will learn strategies for laser cutting, CNC (computer-numerically controlled) milling, and 3D printing. Reading lists and essays from practitioners, instructors, and theorists ground the exercises in both broader and deeper contexts and encourage you to continue your investigative journey.

Routledge
March 2016 : 290pp
Pb: 978-1-138-82314-3 : **£54.99**
Hb: 978-1-138-82312-9 : **£200**
eBook: 978-1-315-74222-9

* For full contents and more information, visit: www.routledge.com/9781138823143

Digital Fabrication in Interior Design

Body, Object, Enclosure



Edited by **Jonathon Anderson**, **Lois Weinthal**

Digital Fabrication in Interior Design: Body, Object, Enclosure draws together emerging topics of making that span primary forms of craftsmanship to digital fabrication in order to theoretically and practically analyze the innovative and interdisciplinary relationship between digital fabrication technology and interior design. A foundational text for interiors students and practitioners, Digital Fabrication in Interior Design expands the necessary dialogue about digital fabrication at the scale of interiors to inform design theory and practice.

Routledge
November 2021 : 266pp
Pb: 978-0-367-45881-2 : **£35.99**
Hb: 978-0-367-45884-3 : **£155**
eBook: 978-1-003-02593-1

* For full contents and more information, visit: www.routledge.com/9780367458812

Digital Vernacular

Architectural Principles, Tools, and Processes



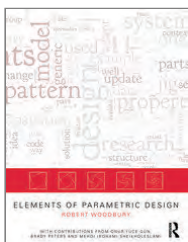
James Stevens Lawrence Technological University, Southfield, Michigan, USA, **Ralph Nelson** Lawrence Technological University, Southfield, Michigan, USA

Digital Vernacular addresses the why and how of digital fabrication in hundreds of step-by-step color images, illuminating a set of working principles and techniques that join theory with practice. Authors James Stevens and Ralph Nelson reconcile local traditions and innovations with globally accessible methods and digital toolsets. You'll learn to create your own digital fabrication tools out of inexpensive materials, in addition to the processes of the digital vernacular, including techniques for removing, joining, forming, and adding.

Routledge
August 2015 : 316pp
Pb: 978-1-138-01712-2 : **£58.99**
Hb: 978-1-138-01713-9 : **£200**
eBook: 978-1-315-73027-1

* For full contents and more information, visit: www.routledge.com/9781138017122

Elements of Parametric Design



Robert Woodbury Simon Fraser University, Canada

Driven by practices wanting and needing to produce novelty, computer-aided design systems are increasingly parametric - they represent designs that change with their input data.

Routledge
June 2010 : 312pp
Pb: 978-0-415-77987-6 : **£59.99**

* For full contents and more information, visit: www.routledge.com/9780415779876

Emergent Technologies and Design

Towards a Biological Paradigm for Architecture



Michael Hensel Architectural Association, UK, **Achim Menges** Architectural Association, UK, **Michael Weinstock** Architectural Association, UK

Based on the authors' internationally renowned Emergent Technologies and Design course at the Architectural Association in London, this book introduces a new approach to the practice of architecture. The authors demonstrate the interrelationship of concepts such as emergence and self-organisation with the latest technologies in design, manufacturing and construction. Part 1: Theoretical Framework 1. Evolution and Computation 2. Material Systems, Computational Morphogenesis and Performative Capacity 3. Material Systems and Environmental Dynamics Feedback Part 2: Research 4. Fibres 5. Textiles 6. Nets 7. Lattices 8. Branches 9. Cells 10. Mass Components 11. Casts 12. Aggregates

Routledge
January 2010 : 256pp
Pb: 978-0-415-49344-4 : **£58.99**
Hb: 978-0-415-49343-7 : **£185**
eBook: 978-1-315-88129-4

* For full contents and more information, visit: www.routledge.com/9780415493444

Études for Architects



Joseph Choma Clemson University, USA

Aimed specifically at beginning design students, learning objectives include: computational thinking and making, introduction to design as an iterative, reflective, and rigorous process, ideas of continuity and discontinuity, and understanding the bias and constraints of digital and analog tooling. The text is simple and straight forward to understand and in addition the author draws explanatory diagrams to elaborate on each exercise's description. He also includes visually compelling student work to provide insight into the possibilities of each exercise. Finally, the book includes eighteen case studies from Europe, the USA, Mexico and Asia to inspire and inform.

Routledge
May 2018 : 270pp
Pb: 978-1-138-63224-0 : **£39.99**
Hb: 978-1-138-63223-3 : **£155**
eBook: 978-1-315-20837-4

* For full contents and more information, visit: www.routledge.com/9781138632240

Geometric Computation: Foundations for Design



Joy Ko, **Kyle Steinfeld** Berkely University of California, USA

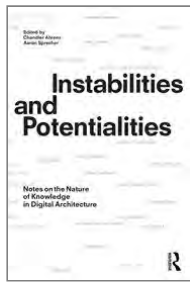
Geometric Computation: foundations for design describes the mathematical and computational concepts that are central to the practical application of design computation in a manner tailored to the visual designer. Uniquely pairing key topics in code and geometry, this book develops the two key faculties required by designers that seek to integrate computation into their creative practice: an understanding of the structure of code in object-oriented programming, and a proficiency in the fundamental geometric constructs that underlie much of the computational media in visual design.

Routledge
February 2018 : 454pp
Pb: 978-0-415-81197-2 : **£54.99**
Hb: 978-0-415-81196-5 : **£155**
eBook: 978-1-315-76598-3

* For full contents and more information, visit: www.routledge.com/9780415811972

Instabilities and Potentialities

Notes on the Nature of Knowledge in Digital Architecture



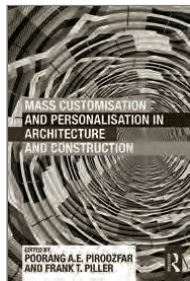
Edited by **Chandler Ahrens**, **Aaron Sprecher** McGill University, Montreal, Canada

Instabilities and Potentialities explores our post-digital culture to better understand its impact on theoretical discourse and design processes in architecture.

Routledge
March 2019 : 274pp
Pb: 978-1-138-58399-3 : **£44.99**
Hb: 978-1-138-58398-6 : **£155**
eBook: 978-0-429-50633-8

* For full contents and more information, visit: www.routledge.com/9781138583993

Mass Customisation and Personalisation in Architecture and Construction



Edited by **Poorang Piroozfar** University of Brighton, UK, **Frank Piller** Aachen University, Germany

Bringing together contributions from some of the most prominent thinkers and practitioners in the field including Kasper S. Vibaek, Steve Kendall, Martin Bechthold, Mitchell M. Tseng, and Masa Noguchi, this book provides an overview of state-of-the-art practice related to the concept of customization and personalization within the built environment. Selected Contents: Part 1: Principles of Mass Customisation Part 2: Enabling Technologies, Designs, and Business Models Part 3: Practical Applications, Prototypes and Experiences Part 4: Future Topics, New Potentials, Emerging Challenges

Routledge
July 2013 : 272pp
Pb: 978-0-415-62284-4 : **£52.99**
Hb: 978-0-415-62283-7 : **£170**
eBook: 978-0-203-43773-5

* For full contents and more information, visit: www.routledge.com/9780415622844

Mass Customization and Design Democratization



Edited by **Branko Kolarevic** University of Calgary, Canada, **José Pinto Duarte**

Parametric design and digital fabrication are enabling non-designers to mass produce non-standard, highly differentiated products – from shoes and tableware to furniture and even houses. This is the first book to address this relatively recent 'democratization' of design. Demonstrating how the potential of these tools can be realized in practice, it introduces essential technologies and design approaches and provides cutting edge examples from leading design firms, manufacturers and thinkers. A highly designed book featuring 300 color illustrations, this is essential reading for professionals and students taking courses in digital architecture, parametric design, and mass customization.

Routledge
January 2019 : 288pp
Pb: 978-0-815-36061-2 : **£48.99**
Hb: 978-0-815-36060-5 : **£155**
eBook: 978-1-351-11786-9

* For full contents and more information, visit: www.routledge.com/9780815360612

2ND EDITION

Material Strategies in Digital Fabrication



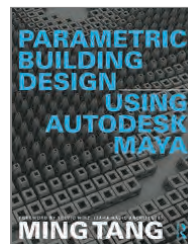
Christopher Beorkrem University of North Carolina Charlotte, USA

In this second edition of Material Strategies in Digital Fabrication are new case studies, improved wayfinding, the inclusion of composites and plastics, and references to similar strategies between different projects. In 400 step-by-step diagrams dissecting 40 case studies in 10 countries on 3 continents, the book shows you how material performance drives the digital fabrication process and determines technique. The book identifies the important characteristics of each material, including connection types, relative costs, deformation, color, texture, finish, dimensional properties, durability, and weathering and waterproofing to link design outcomes to form. More than 550 color images.

Routledge
July 2017 : 256pp
Pb: 978-1-138-65420-4 : **£46.99**
Hb: 978-1-138-65418-1 : **£155**
eBook: 978-1-315-62336-8

* For full contents and more information, visit: www.routledge.com/9781138654204

Parametric Building Design Using Autodesk Maya



Ming Tang University of Cincinnati, USA

"Maya's architectural workflow has been developed by students and advanced designers all over the world through a creative reinterpretation of its standard commands. But now I have finally an answer for these enthusiasts who want to step into this unique design experience: just read this book!" - Fulvio Wirz, Lead Architect, Zaha Hadid Architects Including case studies from Zaha Hadid Architects, Greg Lynn Form, Gage Clemenceau Architects, Tang & Yang Architects, as well as step by step exercises, and demonstration projects, this book explores the application of Autodesk Maya in the design process.

Routledge
December 2013 : 208pp
Pb: 978-0-415-64447-1 : **£50.99**
Hb: 978-0-415-64446-4 : **£200**
eBook: 978-1-315-81987-7

* For full contents and more information, visit: www.routledge.com/9780415644471

Reality Modeled After Images

Architecture and Aesthetics after the Digital Image



Michael Young

Reality Modeled After Images: Architecture and Aesthetics after the Digital Image explores architecture's entanglement with contemporary image culture. It looks closely at how changes produced through technologies of mediation alter disciplinary concepts and produce political effects. Through both historical and contemporary examples, it focuses on how conventions of representation are established, maintained, challenged, and transformed.

Routledge
August 2021 : 226pp
Pb: 978-0-367-71183-2 : **£39.99**
Hb: 978-0-367-71177-1 : **£155**
eBook: 978-1-003-14968-2

* For full contents and more information, visit: www.routledge.com/9780367711832

Self-Assembly Lab

Experiments in Programming Matter



Skylar Tibbits MIT, USA

What if structures could build themselves or adapt to fluctuating environments? Skylar Tibbits, director of the Self-Assembly lab in the Department of Architecture at MIT, crosses the boundaries between architecture, biology, materials science and the arts, to envision a world where material components can self-assemble to provide adapting structures and optimized fabrication solutions. The book examines the three main ingredients for Self-Assembly, includes interviews with practitioners involved in the work and presents research projects related to these topics to provide a complete first look at exciting future technologies in construction and self-transforming material products.

Routledge

October 2016 : 204pp

Pb: 978-1-138-91006-5 : **£52.99**

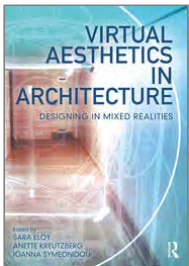
Hb: 978-1-138-91003-4 : **£190**

eBook: 978-1-315-69361-3

* For full contents and more information, visit: www.routledge.com/9781138910065

Virtual Aesthetics in Architecture

Designing in Mixed Realities



Edited by **Sara Eloy , Anette Kreutzberg , Ioanna Symeonidou**

Virtual Aesthetics in Architecture: Designing in Mixed Realities presents a curated selection of projects and texts contributed by leading international architects and designers who are using virtual reality technologies in their design process. This book expands the use of technology per se and focusses on how architecture can benefit from its aesthetic potential during the design process. A must-read for practitioners, academics and students interested in cutting-edge digital design.

Routledge

August 2021 : 256pp

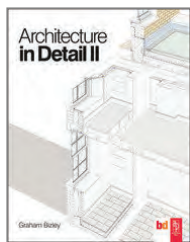
Pb: 978-1-032-02373-1 : **£39.99**

Hb: 978-1-032-02372-4 : **£155**

eBook: 978-1-003-18310-5

* For full contents and more information, visit: www.routledge.com/9781032023731

Architecture in Detail II



Graham Bizley

Following on from Graham Bizley's successful *Architecture in Detail*, *Architecture in Detail II* presents 40 case studies of detailing on recent construction projects. Over 150 full-color drawings and photos provide a reference compendium for the professional architect seeking detailing inspiration. Originally featured in *Building Design's In Detail* magazine, the included projects represent some of the most interesting and innovative techniques in recent architecture. Graham Bizley's beautifully presented detail drawings allow the architect to easily see how ideas and techniques can be applied to other projects. The book is organized by building type for quick and easy reference.

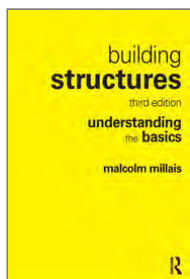
Routledge
May 2010 : 222pp
Pb: 978-0-080-96535-2 : **£54.99**
Hb: 978-1-138-47048-4 : **£190**
eBook: 978-0-080-96536-9

* For full contents and more information, visit: www.routledge.com/9780080965352

3RD EDITION

Building Structures

understanding the basics



Malcolm Millais

This is a one-stop book for knowing everything important about building structures. Self-contained and with no prerequisites needed, it is suitable for both general readers and building professionals. Readers: follow the history of structural understanding; grasp all the concepts of structural behaviour via step by step explanations; see how the concepts apply to real buildings; and learn to do simple numerical calculations for actual structures. With over 500 pages and over 1100 user friendly diagrams this book is a must for anyone who would like to understand the fascinating world of structures.

Routledge
June 2017 : 578pp
Pb: 978-1-138-11975-8 : **£54.99**
Hb: 978-1-138-11974-1 : **£200**
eBook: 978-1-315-65213-9

* For full contents and more information, visit: www.routledge.com/9781138119758

3RD EDITION

Introduction to Architectural Science

The Basis of Sustainable Design



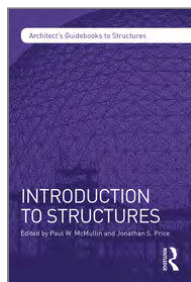
Steven V. Szokolay

Now in its third edition, this book provides the ideal reference to the physical basis of architectural design. Fully updated and expanded throughout, the book provides the data required for architects to design buildings that will maintain the users comfort in a variety of conditions, with minimal reliance on energy intensive methods like air conditioning. This essential reference equips the reader with the tools to realize the full potential of the good intentions of sustainable, bioclimatic design.

Routledge
March 2014 : 392pp
Pb: 978-0-415-82498-9 : **£52.99**
Hb: 978-1-138-47045-3 : **£200**
eBook: 978-1-315-85240-9

* For full contents and more information, visit: www.routledge.com/9780415824989

Introduction to Structures



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania

Series: *Architect's Guidebooks to Structures*

Introduction to Structures covers basic structures concepts for architects and engineers, such as structural systems, material selection, statics, analysis, and the process of design and system selection. As part of the *Architect's Guidebooks to Structures* Series it provides a comprehensive overview using both imperial and metric units of measurement. It also includes case studies from a range of project sizes that illustrate the key concepts and use a wide range of visual aids. This book is meant for both professionals and for students taking structures courses or comprehensive studios. As a compact summary of key ideas it is ideal for anyone needing a quick guide to structures.

Routledge
April 2016 : 304pp
Pb: 978-1-138-82949-7 : **£38.99**
Hb: 978-1-138-82948-0 : **£200**
eBook: 978-1-315-73773-7

* For full contents and more information, visit: www.routledge.com/9781138829497

Material Imagination in Architecture



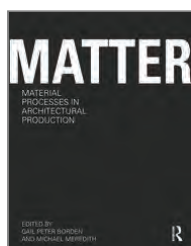
David Dernie University of Westminster, UK, **Jacopo Gaspari** University of Bologna, Italy

Material Imagination in Architecture explores architecture and making and the diverse influences on the material reality of architectural form: it argues that the crafts, fabrication and assemblage of its making remain vital elements of contemporary architectural language. This book uses the well-established tradition of material iconology in architecture to investigate the possibilities, and limits, of using materials in contemporary design to communicate the themes and contexts of an architectural project. Each theme is explored in case studies from twelve countries around the world, including the UK, USA, Spain, Italy, Germany, Australia and China.

Routledge
June 2016 : 310pp
Pb: 978-0-415-81089-0 : **£46.99**
Hb: 978-0-415-81088-3 : **£190**
eBook: 978-1-315-69749-9

* For full contents and more information, visit: www.routledge.com/9780415810890

Matter: Material Processes in Architectural Production



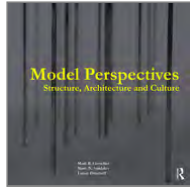
Edited by **Gail Peter Borden** University of Southern California and Borden Partnership LLP, USA, **Michael Meredith**

Combining essays from both practice and academia, this book includes some of the most significant projects and thoughts on materiality from the last decade. Beautifully illustrated with a great deal of technical information throughout, it shows work, technical technique and process, and positions it within a broader theoretical intention. This book offers a multifaceted portrait of material design today. Students and design professionals alike should find this to be an essential resource for understanding this increasingly important aspect of design and for insights into the forces that shape architecture. Selected Contents: Introduction Part 1: Matter Converses Part 2: Matter Design Part 3: Matter Processes Part 4: Matter Precedent Part 5: Matter Detail Part 6: Matter Ecology Part 7: Matter Pedagogy Part 8: Matter Sensations Part 9: Matter Surface

Routledge
August 2011 : 520pp
Pb: 978-0-415-78029-2 : **£52.99**
eBook: 978-0-203-82702-4

* For full contents and more information, visit: www.routledge.com/9780415780292

Model Perspectives: Structure, Architecture and Culture



Mark R. Cruveller Cornell University, USA, **Bjorn N. Sandaker** Oslo School of Architecture, Norway, **Luben Dimcheff** Cornell University, USA

This book contains a unique collection of various perspectives on the relationship between structures and the forms and spaces of architecture. The chapters address fundamental structural elements and systems: columns, walls, beams, trusses, cables and tensile membranes, arches & vaults, domes & shells and lateral load-resisting frames. As such it provides students and professionals alike with an essential sourcebook that can be mined for visual inspiration as well as for textually rich and authoritative insight into the links between structure, architecture, and cultural context.

Routledge
August 2016 : 440pp
Pb: 978-0-415-73194-2 : **£59.99**
Hb: 978-0-415-73193-5 : **£190**
eBook: 978-1-315-09110-5

* For full contents and more information, visit: www.routledge.com/9780415731942

Niche Tactics

Generative Relationships Between Architecture and Site



Caroline O'Donnell Cornell University, New York, USA

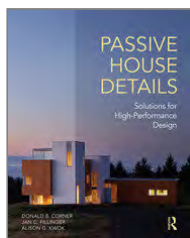
Bracketed between texts on giraffe morphology, ecological perception, ugliness, and hopeful monsters, architectural case studies investigate historical moments when relationships between architecture and site were productively intertwined, from the anomalous city designs of Francesco de Marchi in the sixteenth century to Le Corbusier's near eradication of context in his Plan Voisin in the twentieth century to the more recent contextualist movements. Extensively illustrated with 140 black and white drawings and photographs, Niche Tactics considers how attention to site might create a generative language for architecture today.

Routledge
April 2015 : 254pp
Pb: 978-1-138-79312-5 : **£59.99**
Hb: 978-1-138-79311-8 : **£200**
eBook: 978-1-315-73028-8

* For full contents and more information, visit: www.routledge.com/9781138793125

Passive House Details

Solutions for High-Performance Design



Donald Corner University of Oregon, Eugene, Oregon, USA, **Jan Fillinger** STUDIO-E Architecture, Eugene, Oregon, USA, **Alison Kwok** University of Oregon, Eugene, Oregon, USA

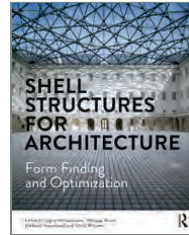
Passive House Details introduces the concepts, principles, and design processes of building ultralow-energy buildings. The objective of this book is to provide design goals, research, analysis, systems, details, and inspiring images of some of the most energy-efficient, carbon-neutral, healthy and satisfying buildings currently built in the region. Other topics included: heat transfer, moisture management, performance targets, and climatic zones. Illustrated with more than 375 color images, the book is a visual catalog of construction details, materials, and systems drawn from projects contributed from forty firms.

Routledge
August 2017 : 332pp
Pb: 978-1-138-95826-5 : **£46.99**
Hb: 978-1-138-95825-8 : **£190**
eBook: 978-1-315-66128-5

* For full contents and more information, visit: www.routledge.com/9781138958265

Shell Structures for Architecture

Form Finding and Optimization



Edited by **Sigrid Adriaenssens** Princeton University, USA, **Philippe Block**, **Diederik Veenendaal**, **Chris Williams** University of Bath, UK

Bringing together a range of prominent practicing architects, engineers and academics, this book provides architecture and engineering practitioners with an in-depth introduction to shell and gridshell structures. It collects for the first time the most relevant form finding and structural optimization techniques for shell and gridshell structures, and transfers knowledge in the form of mathematics, computer algorithms, and design case studies, providing highly pedagogical material for architects and engineers in practice.

Routledge
April 2014 : 340pp
Pb: 978-0-415-84060-6 : **£61.99**
Hb: 978-0-415-84059-0 : **£190**
eBook: 978-1-315-84927-0

* For full contents and more information, visit: www.routledge.com/9780415840606

Skins, Envelopes, and Enclosures

Concepts for Designing Building Exteriors



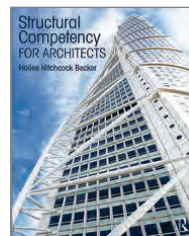
Mayine Yu Davis Brody Bond Architects, New York, USA

An overview of the best building envelope construction methods, materials science, and structural principles using international case studies to illuminate the theory and techniques of assembling exteriors. Nearly 200 color images. Part 1: Load-bearing Construction 1. Monolithic Walls 1.1 Historical Survey 1.2 Brick 1.3 Stone 1.4 Concrete 2. Load-Bearing Cavity Walls 2.1 How Water Penetrates 3. Light Frame Construction 3.1 Wood Framing a House Part 2: Non-load-bearing Construction 4. Frame and Infill Construction 4.1 Glass 5. Cladding Systems 5.1 Sequence of Installation 6. Curtain Walls

Routledge
November 2013 : 280pp
Pb: 978-0-415-89979-6 : **£65.99**
Hb: 978-0-415-89978-9 : **£200**
eBook: 978-0-203-78529-4

* For full contents and more information, visit: www.routledge.com/9780415899796

Structural Competency for Architects



Hollie Hitchcock Becker The Catholic University of America, Washington, DC

A comprehensive volume covering topics from structural systems and typologies to statics, strength of materials, and component design. The book includes everything you need to know about structures for the design of components, as well as the logic for design of structural patterns, and selection of structural typologies. Each chapter includes examples, problems, and labs, so that you learn the fundamentals. An answer key is available on our website. This book will also help you pass your registration examinations. More than 300 black and white images and 50 tables.

Routledge
August 2014 : 338pp
Pb: 978-0-415-81788-2 : **£94.99**
Hb: 978-0-415-81787-5 : **£200**
eBook: 978-0-203-58315-9

* For full contents and more information, visit: www.routledge.com/9780415817882

3RD EDITION

Structure and Architecture



Angus J. Macdonald University of Edinburgh, UK

In this third edition, the author provides a thorough revision which explains the basic principles of structure and describes the ranges of structure types in current use. Furthermore, additional chapters on the philosophy of structure, the impact of sustainable design on the field of structures and the works of prominent engineers have been added. Completely redesigned, the book features over 270 full colour illustrations, which teamed with the author's clear and succinct voice allows any level of reader to grasp a firm understanding of this core topic.

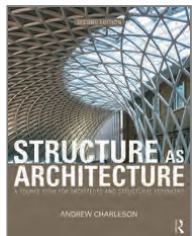
Routledge
November 2018 : 360pp
Pb: 978-1-138-62924-0 : **£52.99**
Hb: 978-1-138-62922-6 : **£160**
eBook: 978-1-315-21051-3

* For full contents and more information, visit: www.routledge.com/9781138629240

2ND EDITION

Structure As Architecture

A Source Book for Architects and Structural Engineers



Andrew Charleson Victoria University of Wellington, New Zealand

Both an exploration and celebration of structure, this book presents structure as an indispensable aspect of architecture, in terms of form, function and aesthetics. Using over four hundred photographs of contemporary case studies, the book shows that where structure is thoroughly integrated into the making of architecture, it adds layers of richness to a design and enhances the realization of architectural design concepts. Now in its second edition, the author has completely overhauled the contents, editing old material and including up-to-date material for new and old reader alike. Case studies feature contemporary buildings from countries across the globe.

Routledge
July 2014 : 260pp
Pb: 978-0-415-64459-4 : **£58.99**
Hb: 978-1-138-47046-0 : **£200**
eBook: 978-1-315-76657-7

* For full contents and more information, visit: www.routledge.com/9780415644594

Structures by Design

Thinking, Making, Breaking



Rob Whitehead Iowa State University, Ames, USA

Structures by Design: Thinking, Making, Breaking is a new type of structures textbook for architects who prefer to learn using the hands-on, creative problem-solving techniques typically found in a design studio. Instead of presenting structures as abstract concepts defined by formulas and diagrams, this book uses project-based approach to demonstrate how a range of efficient, effective, and expressive architectural solutions can be generated, tested, and revised.

Routledge
August 2019 : 484pp
Pb: 978-1-138-22415-5 : **£59.99**
Hb: 978-1-138-22413-1 : **£140**
eBook: 978-1-315-40314-4

* For full contents and more information, visit: www.routledge.com/9781138224155

Sustainable Architectural Design

An Overview



Kuppaswamy Iyengar University of New Mexico, Albuquerque, USA

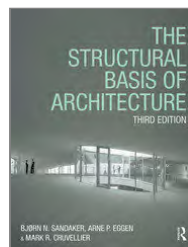
Sustainable Architectural Design is a guide to a resilient design process that moves from theory, to site and energy use, to building systems, and finally to evaluation and case studies, so you can integrate design and technology for effective sustainable building. Kuppaswamy Iyengar shows you how to get it right the first time, use free energy systems, and utilise technologies that minimize fossil fuel use. More than 230 color images including charts, tables, drawings, and photographs, the book shows technologies and concepts integrated into cohesive project types to demonstrate implementing your designs to meet clients' needs now and for the future.

Routledge
July 2015 : 294pp
Pb: 978-0-415-70235-5 : **£83.99**
Hb: 978-0-415-70234-8 : **£200**
eBook: 978-1-315-75847-3

* For full contents and more information, visit: www.routledge.com/9780415702355

3RD EDITION

The Structural Basis of Architecture



Bjorn N. Sandaker Oslo School of Architecture, Norway,
Arne P. Eggen Oslo School of Architecture, Norway,
Mark R. Cruvellier Cornell University, USA

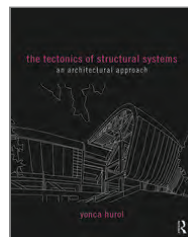
This is a book about structures that shows students how to "see" structures as integral to architecture, and how knowledge of structures is the basis for understanding both the mechanical and conceptual aspects inherent to the art of building. The subject matter is approached in a qualitative and discursive manner, and is illustrated by many photographs of architectural projects and structural behaviour diagrams. This new edition is revised and updated throughout, includes worked-out examples, and is perfect as either an introductory structures course text or as a designer's sourcebook for inspiration.

Routledge
April 2019 : 576pp
Pb: 978-1-138-65199-9 : **£38.99**
Hb: 978-1-138-65198-2 : **£200**
eBook: 978-1-315-62450-1

* For full contents and more information, visit: www.routledge.com/9781138651999

The Tectonics of Structural Systems

An Architectural Approach



Yonca Hurol Eastern Mediterranean University, North Cyprus

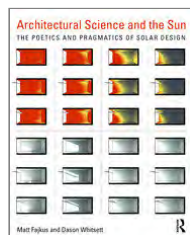
Written expressly for students, this book makes structures understandable and useful, providing: practical and useful knowledge about structures, a design based approach to the subject of structures and a bridge in the gap between structures and the theory of design. Good architectural examples for each structural system are given in order to demonstrate that tectonics can be achieved by applying technical knowledge about structures. Over 300 illustrations visually unpack the topics being explained, making the book ideal for the visual learner.

Routledge
September 2015 : 278pp
Pb: 978-1-138-85553-3 : **£51.99**
Hb: 978-1-138-85548-9 : **£200**
eBook: 978-1-315-72030-2

* For full contents and more information, visit: www.routledge.com/9781138855533

Architectural Science and the Sun

The poetics and pragmatics of solar design



Dason Whitsett The University of Texas at Austin, USA,
Matt Fajkus The University of Texas at Austin, USA

Architectural Science and the Sun explains the fundamental principles of architectural science related to the sun including solar geometry, solar analysis and design techniques, passive design principles, and daylighting, to help you create high-performance buildings that engage all the senses. You will learn to synthesize physics, climate, architectural program, and perception, and manipulate physical phenomena, such as light, heat, and sound, to create the desired experience. Illustrated with more than 100 color images, including sun path diagrams, the book also includes a glossary and appendixes, including one with solar tables, for quick reference.

Routledge
April 2018 : 298pp
Pb: 978-1-138-89921-6 : **£58.99**
Hb: 978-1-138-89920-9 : **£185**
eBook: 978-1-315-70804-1

* For full contents and more information, visit: www.routledge.com/9781138899216

Beyond Environmental Comfort



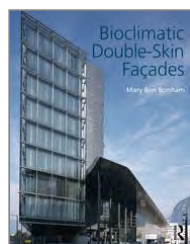
Edited by Boon Lay Ong University of Melbourne, Australia

Bringing together a range of foremost thinkers including Juhani Pallasmaa, Derek Clements-Croome, Harold Marshall and Dean Hawkes, this book argues for a deeper appreciation of how environmental comfort may be understood in terms of our relationship with the environment rather than as independent qualities. This book shows that it is by understanding just how environmental design is concerned with more than mere comfort that we can meaningfully design our future. 1. Introduction 2. Sensory Pleasure and Homeostasis 3. Consciousness, Well-being and the Senses 4. Cultural Responses to Primitive Needs 5. Acoustical Aesthetics, Sound and Space 6. Existential Comfort 7. Airport Restrooms 8. The Poetics of Environment 9. Why Does the Environment Matter? 10. Biophilia, Topophilia and Home 11. Green Pleasures

Routledge
June 2013 : 224pp
Pb: 978-0-415-45369-1 : **£54.99**
Hb: 978-0-415-45368-4 : **£170**
eBook: 978-0-203-11833-7

* For full contents and more information, visit: www.routledge.com/9780415453691

Bioclimatic Double-Skin Façades



Mary Ben Bonham Miami University, Oxford, Ohio, USA

Visually enriched with over 250 photographs and drawings, Bioclimatic Double-Skin Façades is an essential reference guide for understanding the types and functions of double-skin facades. Author Mary Ben Bonham examines the history and continuing potential of double-skin architecture, informing on the variety of approaches possible and advising a rigorous integrated design process leading to application. Featuring a wide selection of architectural examples, the book will be of interest to professionals and students within the fields of architecture, engineering, and construction.

Routledge
December 2019 : 374pp
Pb: 978-0-415-84215-0 : **£52.99**
Hb: 978-0-415-84214-3 : **£155**
eBook: 978-1-315-66138-4

* For full contents and more information, visit: www.routledge.com/9780415842150

Building Dynamics

Exploring Architecture of Change



Edited by Branko Kolarevic University of Calgary, Canada,
Vera Parlac University of Calgary, Canada

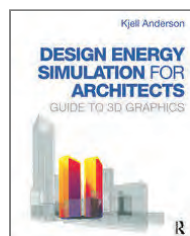
Buildings are increasingly 'dynamic': equipped with sensors, actuators and controllers, they 'self-adjust' in response to changes in the external and internal environments and patterns of use. Building Dynamics examines what this means for architecture, exploring which changes are necessary, useful, desirable, and possible. A wide range of distinguished contributors introduce numerous examples of cutting-edge work from leading designers and engineering firms working today. An essential text for students taking design studio classes or courses in theory or technology at any level, as well as professionals interested in the latest mechatronic technologies and design techniques.

Routledge
June 2015 : 304pp
Pb: 978-1-138-79102-2 : **£75.99**
Hb: 978-1-138-79101-5 : **£190**
eBook: 978-1-315-76327-9

* For full contents and more information, visit: www.routledge.com/9781138791022

Design Energy Simulation for Architects

Guide to 3D Graphics



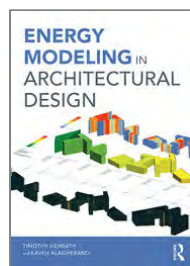
Kjell Anderson LMN Architects, Seattle, Washington, USA

This software-agnostic book shows you how to reduce the energy use of all buildings using simulation for shading, daylighting, airflow, and energy modeling. Written by a practicing architect who specializes in energy modeling, the book includes case studies of net-zero buildings, of Living Building Challenge-certified buildings, as well as of projects with less lofty goals to demonstrate how energy simulation has helped designers make early decisions. Additional topics include simulation basics, comfort, climate analysis, a discussion on how simulation is integrated into some firms, and an overview of some popular design simulation software. Nearly 300 color images.

Routledge
February 2014 : 272pp
Pb: 978-0-415-84066-8 : **£78.99**
Hb: 978-0-415-84065-1 : **£190**
eBook: 978-1-315-85143-3

* For full contents and more information, visit: www.routledge.com/9780415840668

Energy Modeling in Architectural Design



Timothy Hemsath University of Nebraska Lincoln, USA,
Kaveh Alagheh Bandhosseini University of Nebraska Lincoln, USA

Energy Modeling in Architectural Design demonstrates how design elements can lead to energy savings, to help you reduce the energy footprint of your buildings. In addition to identifying climate opportunities, you'll also learn fundamental passive design elements for software-agnostic energy modelling of your projects from conception. Using parametric models and testing each element during design will lead you to create beautiful and sustainably optimized high-performance buildings. Illustrated with more than 100 color images, the book also includes a pattern guide for high-performance buildings, discusses energy and daylighting optimization and has a glossary for easy reference.

Routledge
August 2017 : 280pp
Pb: 978-1-138-88939-2 : **£54.99**
Hb: 978-1-138-88937-8 : **£190**
eBook: 978-1-315-71290-1

* For full contents and more information, visit: www.routledge.com/9781138889392

Integrating Building Performance with Design

An Architecture Student's Guidebook



Elizabeth J. Grant Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA

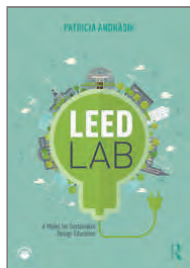
Integrating Building Performance with Design shows you the importance of designing for building performance early in your architectural design process. The book offers you simple tools and exercises, along with examples of built professional work and successful student projects illustrated by more than 200 images to help you with your work. Topics include site, solar orientation, thermal comfort, building enclosure, daylighting, passive heating and cooling, active heating and cooling, indoor air quality, stormwater, and rainwater harvesting.

Routledge
August 2017 : 230pp
Pb: 978-1-138-93093-3 : **£48.99**
Hb: 978-1-138-93092-6 : **£190**
eBook: 978-1-315-68007-1

* For full contents and more information, visit: www.routledge.com/9781138930933

LEED Lab

A Model for Sustainable Design Education



Patricia Andrasik Catholic University of America, USA

LEED Lab: A Model for Sustainable Design Education was written to accompany LEED Lab, an international interdisciplinary collegiate laboratory course which utilizes campus buildings as demonstration sites to facilitate existing building green certification. An excellent guide for undergraduate or graduate students enrolled in LEED Lab or a similar campus building assessment course, as well as construction or architectural professionals and facility managers, this manual navigates the complexities of using a green building diagnostic tool such as LEED O+M towards greater environmental literacy.

Routledge
November 2021 : 356pp
Pb: 978-1-138-32669-9 : **£38.99**
Hb: 978-1-138-32668-2 : **£155**
eBook: 978-0-429-44970-3

* For full contents and more information, visit: www.routledge.com/9781138326699

Life Cycle Assessment



Kathrina Simonen University of Washington, USA

Series: PocketArchitecture

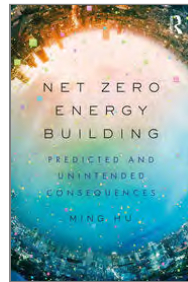
Life Cycle Assessment addresses the dynamic and dialectic of building and ecology, presenting the key theories and techniques surrounding life cycle assessment for holistic ecological building. Part of the PocketArchitecture Series, the book includes two parts: Fundamentals and Applications. It provides the design and construction professional with the tools necessary to make design decisions regarding lifecycle, reuse, and sustainability, making it a 'must-have' practical guide to the concepts and applications of lifecycle technique in architecture.

Routledge
April 2014 : 182pp
Pb: 978-0-415-70242-3 : **£35.99**
Hb: 978-0-415-70241-6 : **£155**
eBook: 978-1-315-77873-0

* For full contents and more information, visit: www.routledge.com/9780415702423

Net Zero Energy Building

Predicted and Unintended Consequences



Ming Hu University of Maryland, USA

This is the first book to present a comprehensive overview of variations in 'net zero' building practices. Drawing on examples from countries such as the United States, United Kingdom, Germany, Japan, Hong Kong, and China, Ming Hu examines diverse approaches to net zero and compares their intended and unintended consequences. She goes beyond existing approaches - which tend to focus on operating energy - to analyze overall energy consumption and carbon emissions across the entire life cycle of a building. Is net zero energy building still achievable once we look at these factors? With clear implications for future practice, this is key reading for professionals and students.

Routledge
April 2019 : 180pp
Pb: 978-0-815-36780-2 : **£38.99**
Hb: 978-0-815-36779-6 : **£155**
eBook: 978-1-351-25652-0

* For full contents and more information, visit: www.routledge.com/9780815367802

2ND EDITION

The Architecture of Natural Cooling



Brian Ford Natural Cooling Ltd, UK, **Rosa Schiano-Phan** University of Westminster, UK, **Juan A. Vallejo**

This revised and updated handbook provides the architect, engineer and other building professional with the latest research and practice in the application of passive and hybrid draught cooling in different building types in different locations around the world. It includes guidance on the principles that can be adopted and a detailed evaluation of building case studies from USA, Europe, India and China. It provides an authoritative, up-to-date reference for the professional who is looking for easily available 'know-how' in this increasingly vital area of building design. Written specifically with the designer in mind, the book is illustrated with over 200 full colour illustr

Routledge
November 2019 : 300pp
Pb: 978-1-138-62907-3 : **£48.99**
Hb: 978-1-138-62905-9 : **£155**
eBook: 978-1-315-21055-1

* For full contents and more information, visit: www.routledge.com/9781138629073

The Passivhaus Designer's Manual

A technical guide to low and zero energy buildings



Edited by **Christina Hopfe** Loughborough University, UK, **Robert McLeod**

The first complete technical manual for passivhaus design and construction providing a one-stop-shop handbook for all involved in passivhaus. Lavishly illustrated with over 140 plans, sections, elevations and other technical data essential to anyone designing or building passivhaus.

Routledge
October 2015 : 346pp
Pb: 978-0-415-52269-4 : **£52.99**
Hb: 978-1-138-47138-2 : **£200**
eBook: 978-1-315-72643-4

* For full contents and more information, visit: www.routledge.com/9780415522694

All-Inclusive Engagement in Architecture

Towards the Future of Social Change



Edited by **Farhana Ferdous**, Bryan Bell Design Corps, Raleigh, North Carolina, USA

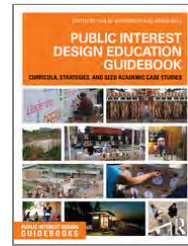
Through original contributions and case studies, this volume shows that socially engaged architecture is both a theoretical construct and a professional practice navigating the global politics of poverty, charity, health, technology, neoliberal urbanism, and the discipline's exclusionary basis. This 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.

Routledge
December 2020 : 374pp
Pb: 978-0-367-34195-4 : **£39.99**
Hb: 978-0-367-34196-1 : **£155**
eBook: 978-0-367-34198-5

* For full contents and more information, visit: www.routledge.com/9780367341954

Public Interest Design Education Guidebook

Curricula, Strategies, and SEED Academic Case Studies



Edited by **Lisa Abendroth** Metropolitan State University of Denver, Colorado, USA, **Bryan Bell** Design Corps, Raleigh, North Carolina, USA

Series: *Public Interest Design Guidebooks*

The second in the Public Interest Design Guidebooks trilogy, this text addresses an academic audience directly to show you how to implement Public Interest Design methods in your teaching. The book explores how public interest design practice uses the following core values, helping you engage students in community-based design: working locally through participatory practices with diverse and underrepresented stakeholders; promoting longevity and sustainability; and using an issue-based approach to problem solving. Includes fifteen case studies from ten countries; a cross-reference guide and locator atlas; an extensive glossary; teaching and funding models; and accreditation considerations.

Routledge
September 2018 : 366pp
Pb: 978-1-138-64665-0 : **£48.99**
Hb: 978-1-138-64663-6 : **£155**
eBook: 978-1-315-62745-8

* For full contents and more information, visit: www.routledge.com/9781138646650

Design for Social Innovation

Case Studies from Around the World



Edited by **Mariana Amatullo**, Bryan Boyer, Jennifer May, Andrew Shea

Grounded by a global survey in sectors as diverse as public health, urban planning, economic development, education, humanitarian response, cultural heritage, and civil rights, Design For Social Innovation captures these stories and more through 45 richly illustrated case studies from six continents. Design For Social Innovation is a must-have for professionals, organizations and educators in design, philanthropy, social innovation and entrepreneurship. This book marks the first attempt to define the contours of a global overview that showcases the cultural, economic, and organizational levers propelling design for social innovation forward today.

Routledge
November 2021 : 418pp
Pb: 978-0-367-89842-7 : **£46.99**
Hb: 978-0-367-89844-1 : **£155**
eBook: 978-1-003-02136-0

* For full contents and more information, visit: www.routledge.com/9780367898427

Sustainable Housing Reconstruction

Designing resilient housing after natural disasters



Esther Charlesworth RMIT University, Australia, **Iftekhar Ahmed** RMIT University, Australia

Through 12 case studies from Australia, Bangladesh, Haiti, Sri Lanka, Vietnam and the USA, this book focuses on the housing reconstruction process after an earthquake, tsunami, cyclone, flood or fire. Design of post-disaster housing is not simply replacing the destroyed house but, as these case studies highlight, a means to not only build a safer house but also a more resilient community. This book provides professionals, policy makers and community stakeholders working in the international development and disaster risk management sectors, with an evidence-based exploration of how to add real value through the design process in housing reconstruction.

Routledge
May 2015 : 154pp
Pb: 978-0-415-70261-4 : **£41.99**
Hb: 978-0-415-70260-7 : **£190**
eBook: 978-1-315-73541-2

* For full contents and more information, visit: www.routledge.com/9780415702614

Humanitarian Architecture

15 stories of architects working after disaster



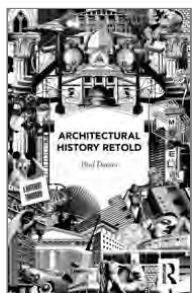
Esther Charlesworth RMIT University, Australia

This book documents and analyses the expanding role for architects in designing projects for communities after the event of a natural disaster. The fifteen case studies featured in the book illustrate how architects can use spatial sensibility and integrated problem-solving skills to help alleviate human and natural disasters. The interviews and supporting essays show built environment professionals collaborating with post-disaster communities as facilitators, collaborators and negotiators of land, space and shelter. The goal is social and physical reconstruction, not just shelter 'projects' that 'build' houses but leave no economic footprint or longer-term community infrastructure.

Routledge
June 2014 : 264pp
Pb: 978-0-415-81867-4 : **£41.99**
Hb: 978-0-415-81866-7 : **£200**
eBook: 978-1-315-77654-5

* For full contents and more information, visit: www.routledge.com/9780415818674

Architectural History Retold



Paul Davies London South Bank University, UK

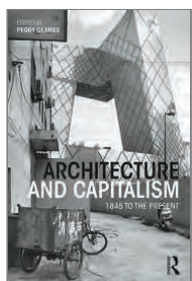
Starting in Ancient Greece and leading up to the present day, Paul Davies traces the grand narrative of western architecture in an unconventional, engaging style which brings the past back to life, helping you to think beyond separate components to recognise 'the bigger picture'. How much do you know about Gothic architecture? The Renaissance? Modernism? Perhaps more importantly, how these are connected and how has one style evolved to become another? What happened historically during each of these periods? Based on the author's successful course which has inspired generations of students, this book is the roadmap for your journey through architectural history.

Routledge
September 2015 : 204pp
Pb: 978-1-138-79948-6 : **£48.99**
Hb: 978-1-138-79946-2 : **£190**
eBook: 978-1-315-75595-3

* For full contents and more information, visit: www.routledge.com/9781138799486

Architecture and Capitalism

1845 to the Present



Edited by Peggy Deamer Yale University, New Haven, Connecticut, USA

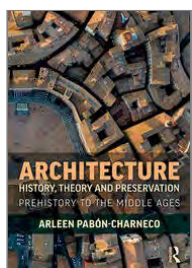
Architecture and Capitalism tells a story of the relationship between the economy and architectural design. Eleven historians each discuss in brand new essays the time period they know best, looking at cultural and economic issues, which in light of current economic crises you will find have dealt with diverse but surprisingly familiar economic issues. With new essays by Pier Vittorio Aureli, Ellen Dunham-Jones, Keller Easterling, Lauren Kogod, Robert Hewison, Joanna Merwood-Salisbury, Robin Schuldenfrei, Deborah Gans, Simon Sadler, Nathan Rich, and Micahel Sorkin.

Routledge
August 2013 : 264pp
Pb: 978-0-415-53488-8 : **£58.99**
Hb: 978-0-415-53487-1 : **£200**
eBook: 978-0-203-49902-3

* For full contents and more information, visit: www.routledge.com/9780415534888

Architecture History, Theory and Preservation

Prehistory to the Middle Ages



Arleen Pabón-Charneco Florida A&M University, USA

Architecture History, Theory and Preservation critically explores the historic development, theoretical underpinnings and conservation practices of architecture. This publication provides professors and students of architecture, art history, historical preservation and related fields, an integrated view of architecture using historical, theoretical, and conservation perspectives. As an architect, architectural historian, and preservationist herself, Pabón-Charneco weaves a field of relationships regarding each building, creating a silent yet empowering bridge between the past and the present.

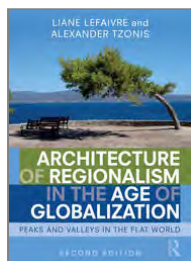
Routledge
November 2020 : 396pp
Pb: 978-1-138-32677-4 : **£41.99**
Hb: 978-1-138-32676-7 : **£155**
eBook: 978-0-429-44135-6

* For full contents and more information, visit: www.routledge.com/9781138326774

2ND EDITION

Architecture of Regionalism in the Age of Globalization

Peaks and Valleys in the Flat World



Liane Lefaivre, Alexander Tzonis

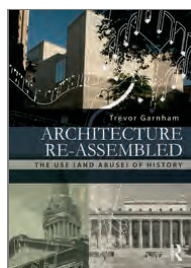
This book remains the definitive introductory text on the theory and history of regionalist architecture in the context of globalization. From the authors who coined the concept of Critical Regionalism, this new edition enhances the understanding of the complex evolution of regionalism and its rival, unchecked globalization. Architecture of Regionalism in the Age of Globalization offers undergraduate and graduate students of architecture, geography, history, environmental studies and other related fields an accessible, vivid, and scholarly perspective of this major conflict as it relates to the design and to the future of the human-made environment.

Routledge
December 2020 : 282pp
Pb: 978-0-367-28116-8 : **£38.99**
Hb: 978-0-367-28115-1 : **£155**
eBook: 978-0-367-28118-2

* For full contents and more information, visit: www.routledge.com/9780367281168

Architecture Re-assembled

The Use (and Abuse) of History



Trevor Garnham Kingston University, Kingston Upon Thames, UK

Beginning from the rise of modern history in the eighteenth century, the book examines how changing ideas in the discipline of history itself has affected architecture from the beginnings of modernity up to the present day. It reflects upon history in order to help the reader in finding well-founded principles for architectural design. This is not an armchair history but a lively discussion of our place between past and future that promotes thinking for making. Selected Contents: 1. Vico and the 'New Science' of History 2. After Vitruvius: The Search for a New Fundamental Ground 3. Aesthetics and Questions of Style 4. In what Style should we Build? 5. Nietzsche and the History beyond History 6. Approaches to Modernism 7. Modernism Against History 8. Le Corbusier: For or Against History? 9. Regional Resistance 10. Late Modernism and Critical Histories 11. From Post-Modernism to Meaning in Archite

Routledge
February 2013 : 240pp
Pb: 978-0-415-52245-8 : **£52.99**
Hb: 978-0-415-52244-1 : **£200**
eBook: 978-0-203-52829-7

* For full contents and more information, visit: www.routledge.com/9780415522458

Reading Architecture

Literary Imagination and Architectural Experience



Edited by Angeliki Sioli, Yoonchun Jung Kwangwoon University, Seoul, South Korea

Reading Architecture builds on the existing interdisciplinary bibliography on architecture and literature, prioritizing literature's capacity to talk about lived experiences of place and express the inexpressible. Drawing on novels that engage cities from around the world, the eighteen essays in this book examine aspects of urban space to which other means of architectural representation are blind. Questioning the massive architectural production of today's globalized capital-driven world, it turns to literature for ways to understand, resist or suggest alternative paths for architectural practice, drawing on texts to suggest a range of methodologies for contemporary architectural research.

Routledge
March 2018 : 234pp
Pb: 978-1-138-22427-8 : **£61.99**
Hb: 978-1-138-22426-1 : **£190**
eBook: 978-1-315-40290-1

* For full contents and more information, visit: www.routledge.com/9781138224278

The Humanities in Architectural Design

A Contemporary and Historical Perspective



Edited by **Soumyen Bandyopadhyay** Sir James Stirling Chair in Architecture, University of Liverpool, UK, **Jane Lomholt** University of Lincoln, UK, **Nicholas Temple** University of Lincoln, UK, **Renée Tobe** University of East London, UK

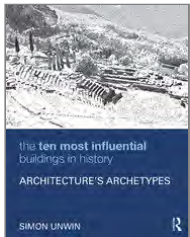
An in-depth consideration of the impact which the humanities have had on the processes of architecture and design, this book asks how we can restore traditional dialogue between intellectual enquiry in the humanities and design creativity. Written by leading academics in the fields of history, theory and philosophy of design, this timely and important book is not a benign reflection on humanities' role in architectural design but a direct response to the increased marginalization of humanities in a technology driven world. Selected Contents: Introduction Part 1: Freedom in the Shadow of Uncertainty Part 2: Spectre of Technology Part 3: Measures of Awareness Part 4: The Challenges of Instrumental Knowledge

Routledge
February 2010 : 288pp
Pb: 978-0-415-55114-4 : **£47.99**
Hb: 978-0-415-55113-7 : **£190**
eBook: 978-0-203-85944-5

* For full contents and more information, visit: www.routledge.com/9780415551144

The Ten Most Influential Buildings in History

Architecture's Archetypes



Simon Unwin University of Dundee, UK

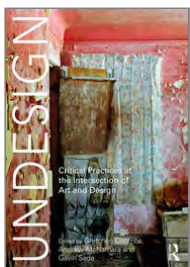
The Ten Most Influential Buildings in History identifies ten architectural archetypes that have been sources of inspiration for architects through the centuries. Each archetype is analysed through drawing, following the methodology established by the author in his previous books. The variety of 'lines of enquiry' each has provoked in latter-day architects are then explored by analysing relevant examples of their architecture to reveal ideas inspired by those earlier buildings. In adopting this approach, the book is as pertinent to contemporary practice as it is to understanding buildings from antiquity, and offers insights into the bridges of influence that can operate between the two.

Routledge
July 2016 : 256pp
Pb: 978-1-138-89847-9 : **£39.99**
Hb: 978-1-138-89846-2 : **£200**
eBook: 978-1-315-70856-0

* For full contents and more information, visit: www.routledge.com/9781138898479

Undesign

Critical Practices at the Intersection of Art and Design



Edited by **Gretchen Coombs** Queensland University of Technology, Australia, **Andrew McNamara** Queensland University of Technology, Australia, **Gavin Sade** Queensland University of Technology, USA

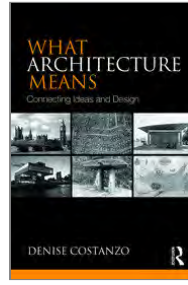
Undesign brings together leading artists, designers and theorists working at the intersection of art and design. The text focuses on design practices, and conceptual approaches, which challenge the traditional notion that design should emphasize its utility over aesthetic or other non-functional considerations. This publication brings to light emerging practices that consider the social, political and aesthetic potential of "undesigning" our complex designed world. In documenting these new developments the book highlights the overlaps with science, engineering, biotechnology and hactivism, which operate at the intersection of art and design.

Routledge
October 2018 : 216pp
Pb: 978-1-138-69571-9 : **£46.99**
Hb: 978-1-138-69570-2 : **£155**
eBook: 978-1-315-52637-9

* For full contents and more information, visit: www.routledge.com/9781138695719

What Architecture Means

Connecting Ideas and Design



Denise Costanzo Pennsylvania State University, Pennsylvania, USA

What Architecture Means introduces you to architecture and lets you explore the connections between design ideas and values across time, space, and culture. It equips you to play an active and informed role as a professional architect or as a consumer, client, and citizen. By analyzing famous and everyday buildings while presenting and questioning the positions of important architects and theorists, the book will help you evaluate and decide what qualities, ideas, and values you believe are important in architecture. Includes 140 black and white images and a glossary.

Routledge
August 2015 : 300pp
Pb: 978-0-415-73904-7 : **£58.99**
Hb: 978-0-415-73903-0 : **£200**
eBook: 978-1-315-81694-4

* For full contents and more information, visit: www.routledge.com/9780415739047

Working Cities

Architecture, Place and Production



Howard Davis

This book is about the importance of production in the life of the city, and the relationships between production, architecture and urban form. Through theoretical arguments, historical analysis, and descriptions of new initiatives, Working Cities, argues that contemporary cities can regain their historic role as places of material production. The book looks toward a future that builds on this revival, providing architectural and urban examples and current strategies within the framework of a strong set of historically-based arguments. The book is illustrated in full colour with archival and contemporary photographs, maps and diagrams especially developed for the book.

Routledge
January 2020 : 280pp
Pb: 978-1-138-32866-2 : **£39.99**
Hb: 978-1-138-32863-1 : **£155**
eBook: 978-0-429-44851-5

* For full contents and more information, visit: www.routledge.com/9781138328662

Digital Fabrication in Interior Design

Body, Object, Enclosure



Routledge

November 2021 : 266pp

Pb: 978-0-367-45881-2 : **£35.99**

Hb: 978-0-367-45884-3 : **£155**

eBook: 978-1-003-02593-1

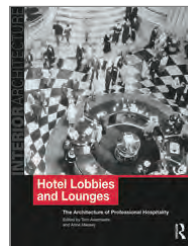
* For full contents and more information, visit: www.routledge.com/9780367458812

Edited by **Jonathon Anderson**, **Lois Weinthal**

Digital Fabrication in Interior Design: Body, Object, Enclosure draws together emerging topics of making that span primary forms of craftsmanship to digital fabrication in order to theoretically and practically analyze the innovative and interdisciplinary relationship between digital fabrication technology and interior design. A foundational text for interiors students and practitioners, Digital Fabrication in Interior Design expands the necessary dialogue about digital fabrication at the scale of interiors to inform design theory and practice.

Hotel Lobbies and Lounges

The Architecture of Professional Hospitality



Routledge

October 2012 : 256pp

Pb: 978-0-415-49653-7 : **£58.99**

Hb: 978-0-415-49652-0 : **£170**

eBook: 978-0-203-13750-5

* For full contents and more information, visit: www.routledge.com/9780415496537

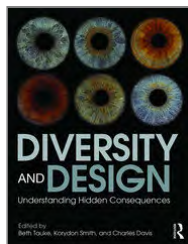
Edited by **Tom Avermaete** TU Delft, The Netherlands, **Anne Massey** Middlesex University, UK

Series: *Interior Architecture*

The volumes in the Interior Architecture series can be used as handbooks for the practitioner and as a critical introduction to the history of material culture and architecture. This volume explores the architectural significance of hotels throughout history and how their material construction has reflected and facilitated the social and cultural practices for which they are renowned. Including case studies that address contemporary developments in hotel planning and design, this is an innovative and insightful resource. Selected Contents: 1. Beyond the Lobby 2. Hollywood Hotel Lobbies 3. The Architectonics of the Hotel Lobby 4. The Hotel Lobby and Local/Global Journeys 5. Shifting Spaces 6. Tracing Tacks Case Studies 1. Hotel Ritz 2. Strand Palace Hotel 3. Imperial Hotel 4. Hotel Gooiland 5. Hotel Le Corbusier 6. Watergate Hotel...

Diversity and Design

Understanding Hidden Consequences



Routledge

October 2015 : 326pp

Pb: 978-1-138-02317-8 : **£67.99**

Hb: 978-1-138-02316-1 : **£200**

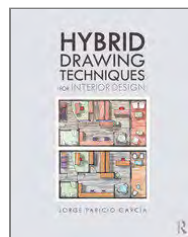
eBook: 978-1-315-77579-1

* For full contents and more information, visit: www.routledge.com/9781138023178

Edited by **Beth Tauke** The State University of New York at Buffalo, New York, USA, **Korydon Smith** The State University of New York at Buffalo, New York, USA

Diversity and Design explores how design - whether of products, buildings, landscapes, cities, media, or systems - affects diverse members of society. Fifteen case studies in television, marketing, product design, architecture, film, video games, and more, illustrate the profound, though often hidden, consequences design decisions and processes have on the total human experience. With over 140 full-color illustrations, chapter summaries, discussion questions and exercises, Diversity and Design is a valuable tool to help you understand the importance of designing for all.

Hybrid Drawing Techniques for Interior Design



Routledge

February 2019 : 232pp

Pb: 978-1-138-28067-0 : **£50.99**

Hb: 978-1-138-28066-3 : **£155**

eBook: 978-1-315-27184-2

* For full contents and more information, visit: www.routledge.com/9781138280670

Jorge Paricio Garcia Rhode Island School of Design, Providence, Rhode Island, USA

Hybrid Drawing Techniques for Interior Design shows you that a design workflow that starts with hand drawing and moves on to digital techniques is flexible and productive.

From Organisation to Decoration

An Interiors Reader



Routledge

November 2012 : 328pp

Pb: 978-0-415-43620-5 : **£59.99**

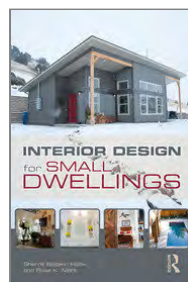
Hb: 978-0-415-43619-9 : **£200**

* For full contents and more information, visit: www.routledge.com/9780415436205

Edited by **Graeme Brooker** The Royal College of Art, UK, **Sally Stone** Manchester School of Architecture, UK

This reader for students, scholars and practitioners interested in the theories, processes and principles of Interior Design, Interior Architecture and Interior Decoration includes a broad range of writings including cultural theory, historical essays, interview transcripts, and magazine articles. The texts expose readers to a variety of opinion, with each section concluding with a case study and annotated guide to further reading.

Interior Design for Small Dwellings



Routledge

October 2018 : 396pp

Pb: 978-1-138-58365-8 : **£52.99**

Hb: 978-1-138-58363-4 : **£155**

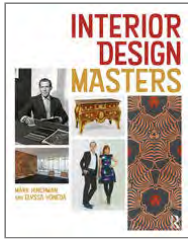
eBook: 978-0-429-50660-4

* For full contents and more information, visit: www.routledge.com/9781138583658

Sherrill Baldwin Halbe Montana State University, Bozeman, Montana, USA, **Rose Mark**

Interior Design for Small Dwellings shows you how to work with clients to help them live in a tiny house. Case studies, worksheets, interviews, and exercises will help you to apply design principles to plan and organize smaller spaces. The book includes design tips for storage, kitchens, furnishings, sustainability, and entertaining in small spaces. Includes more than 125 color images.

Interior Design Masters



Mark Hinchman University of Nebraska in Lincoln, Nebraska, USA, **Elyssa Yoneda** IA Interior Architects, San Francisco, California, USA

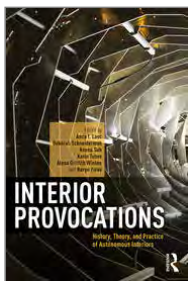
Major Figures for Interior Design looks at the 300 most important people for the field of interior design. The book focuses on the present, with entries chosen in a survey by interior design teachers. Listings for modern working designers, such as Holly Hunt and Philippe Starck, as well as the most crucial figures starting from the Renaissance, such as Grinling Gibbons and Duncan Phyfe, show you know who's who. Individuals are assigned the job title they chose and put in helpful categories like furniture design or textiles, which are cross-referenced throughout. Includes a timeline, as well as a photo of each designer and a project photo for most, with a total of 600 four-color images.

Routledge
July 2018 : 688pp
Pb: 978-1-138-05172-0 : **£94.99**
Hb: 978-1-138-05173-7 : **£200**
eBook: 978-1-315-16820-3

* For full contents and more information, visit: www.routledge.com/9781138051720

Interior Provocations

History, Theory, and Practice of Autonomous Interiors



Edited by **Anca I. Lasc** Pratt Institute, USA, **Deborah Schneiderman**, **Keena Suh** Pratt Institute, USA, **Karin Tehve** Pratt Institute, USA, **Alexa Griffith Winton** Cooper Hewitt, Smithsonian Design Museum, USA, **Karyn Zieve** Pratt Institute, USA

Interior Provocations addresses the broad cultural, historical, and theoretical implications of interiors beyond their conventionally defined architectural boundaries, and not limited by interior design's traditional associations with decoration, taste, and social status. The book is rooted in new scholarship that expands traditional relationships between architecture and interiors and that reflects the latest theoretical developments in the fields of interior design and interior design practice. An essential read for students of interior design at all levels.

Routledge
December 2020 : 260pp
Pb: 978-0-367-41848-9 : **£39.99**
Hb: 978-0-367-41849-6 : **£155**
eBook: 978-0-367-81654-4

* For full contents and more information, visit: www.routledge.com/9780367418489

Interiors Beyond Architecture



Edited by **Deborah Schneiderman** Pratt Institute, USA, **Amy Campos** California College of the Arts, USA

Interiors Beyond Architecture proposes an expanded impact for interior design that transcends the inside of buildings, analysing significant interiors that engage space outside of the disciplinary boundaries of architecture. It presents contemporary case studies from a historically nuanced and theoretically informed perspective, presenting a series of often-radical propositions about the nature of the interior itself. Internationally renowned contributors from the UK, USA and New Zealand present ten typologically specific chapters including: Interiors Formed with Nature, Adaptively Reused Structures, Mobile Interiors, Inhabitable art, Interiors for Display and On Display, Film Sets, Infrastructural Interiors, Interiors for Extreme Environments, Interior Landscapes, and Exterior Interiors.

Routledge
February 2018 : 190pp
Pb: 978-1-138-12498-1 : **£50.99**
Hb: 978-1-138-12497-4 : **£200**
eBook: 978-1-315-64783-8

* For full contents and more information, visit: www.routledge.com/9781138124981

On Altering Architecture



Fred Scott

The discipline of interior design is distinct from pure architecture in its theories and practices. In this new text, Fred Scott brings together ideas of what might constitute a theory of interior, or interventional design, which fills a wide gap in the body of literature covering the design and evolution of interior space in buildings. Of equal concern is the philosophy of conservation, preservation and restoration as the author explores the evolution of buildings and the many social and political issues embedded in these subjects. The masterworks of interventional design found in architectural history are compared and contrasted at length in a compelling way. Selected Contents: 1. Unchanging Architecture and the Case for Alteration 2. The Literate and the Vernacular 3. Restoration, Preservation and Alteration 4. Parody and Other Views 5. Parallels to Alteration 6. Degrees of Alteration 7. Stripping Back 8. The Proce

Routledge
December 2007 : 240pp
Pb: 978-0-415-31752-8 : **£52.99**
Hb: 978-0-415-31751-1 : **£200**
eBook: 978-0-203-59059-1

* For full contents and more information, visit: www.routledge.com/9780415317528

Programming Interior Environments

A Practical Guide for Students



Cynthia Karpan University of Manitoba, Winnipeg, Manitoba, Canada

This book studies the Student Programming Model: a realistic programming process for college and university interior design students that allows students to create accurate and in-depth programming documents essential for informing the design process. This is done whilst keeping in mind that students are often working solo, with imaginary clients and end users in mind, and collecting programme information within strict time constraints.

Routledge
December 2019 : 210pp
Pb: 978-1-138-88968-2 : **£44.99**
Hb: 978-1-138-88967-5 : **£140**
eBook: 978-1-315-71273-4

* For full contents and more information, visit: www.routledge.com/9781138889682

Research Methods for Interior Design

Applying Interiority



Edited by **Dana E. Vaux** University of Nebraska at Kearney, US, **David Wang** Washington State University, US

Through four distinct sections, the authors not only lay out the theory of interiority—a subjective sense a person feels in his or her relation to a physical environment, which results in positive attachments of communal belonging—but also how designers can access interiority through a variety of research methodologies. Research Methods for Interior Design transcends the traditional discipline of interior design by foregrounding interiority as a theoretical conception. This book hits the mark on the need for resources that inform and enrich the research process with a broader scope for interior design students, educators, and researchers.

Routledge
August 2020 : 274pp
Pb: 978-0-367-13949-0 : **£44.99**
Hb: 978-0-367-13944-5 : **£155**
eBook: 978-0-429-02932-5

* For full contents and more information, visit: www.routledge.com/9780367139490

Restaurants and Dining Rooms



Edited by **Franziska Bollerey** Delft University of Technology, the Netherlands, **Christoph Grafe** University of Wuppertal, Germany

Series: *Interior Architecture*

As a product of the modern metropolis, the restaurant encapsulates and illustrates the profound change in how its patrons viewed themselves as individuals, how they used their cities and how they met friends or business partners over a meal. This book presents the restaurant, its cultural and typological history as it evolved over time. In this unique combination it provides valuable knowledge for designers and students of design, and for everyone interested in the cultural history of the modern metropolis.

Routledge

April 2019 : 354pp

Pb: 978-0-415-36332-7 : **£44.99**

Hb: 978-0-415-36331-0 : **£155**

eBook: 978-0-203-01365-6

* For full contents and more information, visit: www.routledge.com/9780415363327

Shaping the American Interior

Structures, Contexts and Practices



Edited by **Paula Lupkin** University of North Texas, USA, **Penny Sparke** Kingston University, UK

This book maps out the development of the larger professional structures of interior design in the US from 1870 to 1960. Featuring new writings from some of the leading researchers in the field, chapters will explore early educational programs and professional organizations, the relationship of interior design to the contemporaneous professionalization of architectural practice, the opportunities offered by department stores, antiques firms, materials manufacturers, and shelter magazines, and the organization and management of large commercial interior design firms.

Routledge

April 2018 : 218pp

Pb: 978-1-138-69770-6 : **£48.99**

Hb: 978-1-138-69769-0 : **£155**

eBook: 978-1-315-52073-5

* For full contents and more information, visit: www.routledge.com/9781138697706

The Interior Architecture Theory Reader



Edited by **Gregory Marinic** University of Houston, USA

The Interior Architecture Theory Reader presents a global survey that collectively and specifically defines the emerging discipline of interior architecture. As a theoretical survey of interior architecture, the book examines current production to embrace the full range of interior identities—architecture, interior design, digital fabrication, and spatial installation. With fifty essays authored by leading educators, theorists, academics and practitioners from Europe, the Americas, Australia, New Zealand and Asia the book provides both multiplicity and continuity to the reader, defining and examining the reader's understanding of interior architecture.

Routledge

January 2018 : 476pp

Pb: 978-1-138-91108-6 : **£39.99**

Hb: 978-1-138-91107-9 : **£155**

eBook: 978-1-315-69300-2

* For full contents and more information, visit: www.routledge.com/9781138911086

Contemporary Japanese Architecture

Tracing the Next Generation



James Steele University of Southern California, USA

This book presents a clear and comprehensive overview of the historical and cultural framework that informs the work of all Japanese architects, as an introduction to an in-depth investigation of the challenges now occupying the contemporary designers who will be the leaders of the next generation. It separates out the young generation of Japanese architects from the crowded, distinguished, multi-generational field they seek to join, and investigates the topics that absorb them, and the critical issues they face within the new economic reality of Japan and a shifting global order.

Routledge

May 2017 : 302pp

Pb: 978-1-138-94125-0 : **£50.99**

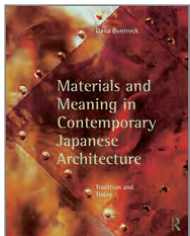
Hb: 978-1-138-94124-3 : **£190**

eBook: 978-1-315-67381-3

* For full contents and more information, visit: www.routledge.com/9781138941250

Materials and Meaning in Contemporary Japanese Architecture

Tradition and Today



Dana Buntrock University of California, USA

A groundbreaking examination of how tradition is incorporated into contemporary Japanese architecture. Looking at the work of five architects – Fumihiko Maki, Terunobu Fujimori, Ryoji Suzuki, Kengo Kuma, and Jun Aoki – Buntrock reveals the aims influencing many works barely known in the West. Compelling and insightful, it is essential reading for everyone studying in this field. Selected Contents: Part 1: Black Blood Red to Palest Pink 1. Neolithic Daddy 2. Lamune Hot Springs 3. Kengo Kuma 4. Murai Museum 5. Comparing the Approaches of Terunobu Fujimori and Kengo Kuma Part 2: Radical Reds 6. Looking Back at Japan's Radical Reds Part 3: Reluctant Regionalists 7. Remaking the Landscape of Kotohira Shrine 8. Fumihiko Maki, Ancient Izumo and Oku 9. Jun Aoki's Aomori Museum of Art 10. Reluctant Reds

Routledge

February 2010 : 288pp

Pb: 978-0-415-77891-6 : **£58.99**

Hb: 978-0-415-77890-9 : **£175**

eBook: 978-1-315-88112-6

* For full contents and more information, visit: www.routledge.com/9780415778916

The Constructed Other: Japanese Architecture in the Western Mind



Kevin Nute

This book argues that a widespread assumption of the inherent otherness of Japanese architecture made it not only a test of the universality of Western architectural theories but also a seemingly endless source of inspiration. The book traces three interwoven themes in Western accounts of Japanese architecture from the reopening of Japan in the mid-19th century to the present day. It is suggested that these narratives had the effect of creating what amounted to a mythical version of Japanese architecture in the West, often at odds with historical fact, but which nonetheless exercised a powerful influence on 20th century architecture internationally.

Routledge

September 2021 : 132pp

Pb: 978-1-138-39075-1 : **£38.99**

Hb: 978-1-138-39073-7 : **£155**

eBook: 978-0-429-42322-2

* For full contents and more information, visit: www.routledge.com/9781138390751

Architectural Acoustics



Ana Jaramillo AFMG, USA, **Chris Steel** HM Inspector of Health and Safety (Noise & Vibration), UK

Series: PocketArchitecture

This book provides a compact and understandable introduction to the fundamentals of building and architectural acoustics, definitions of suitable acoustic performance criteria for a wide range of common buildings and room types and guidance on specification and detailing of the most suitable construction types in North America and the UK. The book is both, a handy rule of thumb on acoustics for anyone involved in the design or construction of buildings, as well as an essential addition to any architect's reference library.

Routledge

November 2014 : 278pp

Pb: 978-0-415-73214-7 : **£39.99**

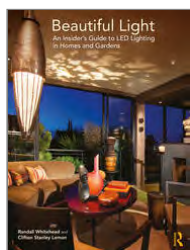
Hb: 978-0-415-73213-0 : **£155**

eBook: 978-1-315-75284-6

* For full contents and more information, visit: www.routledge.com/9780415732147

Beautiful Light

An Insider's Guide to LED Lighting in Homes and Gardens



Randall Whitehead Randall Whitehead Lighting Inc, **Clifton Lemon** Clifton Lemon Associates

Beautiful Light by internationally acclaimed lighting designer Randall Whitehead and lighting industry expert and educator Clifton Stanley Lemon is a combination of idea book, design resource, and product guide. It explores the transition in residential lighting from incandescent light sources to LEDs, and how to apply LED lighting with great success. Showcasing over 200 color photographs of dramatic interiors beautifully lit with LEDs, and clear, concise descriptions of design strategies and product specifications, Beautiful Light helps both professionals and non-professionals successfully navigate the new era of LEDs in residential lighting.

Routledge

August 2021 : 240pp

Pb: 978-0-367-61800-1 : **£38.99**

Hb: 978-0-367-61802-5 : **£155**

eBook: 978-1-003-10661-6

* For full contents and more information, visit: www.routledge.com/9780367618001

Daylighting

Architecture and Lighting Design



Peter Tregenza University of Sheffield, UK, **Michael Wilson** University of Westminster, UK

This authoritative and multi-disciplinary book sets out a new approach to daylight design based on daylight's essential variability and the centrality of people to lighting design. The book is well-structured with worksheets giving step by step examples of calculations and design procedures for use in practice as well as a collection of algorithms and equations for reference. Highly illustrated, it provides a new set of tools for the practitioner and researcher. This is an invaluable resource for architects, building engineers, interior designers and town planners.

Routledge

January 2011 : 304pp

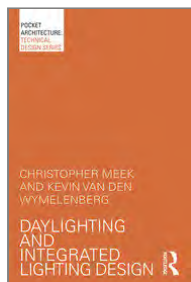
Pb: 978-0-419-25700-4 : **£73.99**

Hb: 978-1-138-16849-7 : **£155**

eBook: 978-0-203-72461-3

* For full contents and more information, visit: www.routledge.com/9780419257004

Daylighting and Integrated Lighting Design



Christopher Meek University of Washington, USA, **Kevin Van Den Wymelenberg** University of Idaho, USA

Series: PocketArchitecture

This book provides architects, building designers, and students with clear direction for the successful inclusion of daylight and integrated electric light in buildings. It presents design teams with the performance analysis resources, energy saving estimates and user satisfaction results they need in order to make informed decisions regarding daylighting and lighting design. Part of the PocketArchitecture Series, this is the ideal pocketbook for any designer serious about reducing the energy impact of their buildings.

Routledge

October 2014 : 158pp

Pb: 978-0-415-72526-2 : **£35.99**

Hb: 978-0-415-72525-5 : **£155**

eBook: 978-1-315-77076-5

* For full contents and more information, visit: www.routledge.com/9780415725262

Fundamentals of Architectural Lighting



Samuel Mills Independent Lighting Designer and Architect, USA

Light is an integral part of the architectural design process. Fundamentals of Architectural Lighting provides a comprehensive introduction to the basics of lighting design, equipping students and practitioners with the tools and ideas they need to master a variety of techniques. Based on the author's four decades of experience in lighting design, the book features more than 250 high quality illustrations to demonstrate specific techniques and points of interest. An essential read for students on courses in lighting and interior design, as well as for professional architects and lighting designers.

Routledge

May 2018 : 222pp

Pb: 978-1-138-50676-3 : **£54.99**

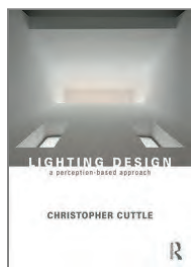
Hb: 978-1-138-50675-6 : **£170**

eBook: 978-1-315-14700-0

* For full contents and more information, visit: www.routledge.com/9781138506763

Lighting Design

A Perception-Based Approach



Christopher Cuttle

Written by renowned lighting expert Christopher (Kit) Cuttle, this book explains the difference between vision and perception and demonstrates how lighting patterns generated by three-dimensional objects interacting with directional lighting are strongly influential upon how the visual perception process enables us to recognize object attributes. By providing you with everything you need to develop a design concept - from the understanding of how lighting influences human perceptions of surroundings, through to engineering efficient and effective lighting solutions - Kit Cuttle instills in his readers a new-found confidence in lighting design.

Routledge

January 2015 : 150pp

Pb: 978-0-415-73197-3 : **£65.99**

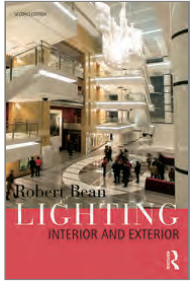
Hb: 978-0-415-73196-6 : **£180**

eBook: 978-1-315-75688-2

* For full contents and more information, visit: www.routledge.com/9780415731973

2ND EDITION

Lighting: Interior and Exterior



Robert Bean

This comprehensive and practical guide takes you step-by-step through the core concepts and applications of architectural lighting. Now completely revised and updated for the second edition, this book includes all new information on the latest regulations and recommendations; provides special attention to the rapid development of LED lighting; considers the new CIE colour metric system; concludes each chapter with questions for the reader, together with inverted appropriate answers; features full colour throughout, for the first time, to support the text and aid the reader.

Routledge

January 2014 : 328pp

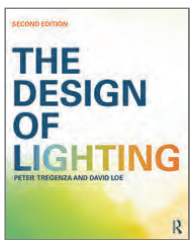
Pb: 978-0-415-64457-0 : **£59.99**

eBook: 978-1-315-85791-6

* For full contents and more information, visit: www.routledge.com/9780415644570

2ND EDITION

The Design of Lighting



Peter Tregenza University of Sheffield, UK, **David Loe**

Building on the success of the first edition, this book provides the lighting knowledge needed by the architect in practice, the interior designer and students of both disciplines. Offering a clear structure, it provides a specifically architectural approach to lighting. New features include chapters on the context of design and behaviour of light; emphasis on sustainable design and energy saving, with data and examples; analyses of lighting schemes and references to current standards and design guides; an up-to-date review of lamp & lighting technology; a revised calculation section, with examples and step-by-step instructions.

Routledge

September 2013 : 224pp

Pb: 978-0-415-52246-5 : **£67.99**

Hb: 978-1-138-47047-7 : **£200**

eBook: 978-0-203-76238-7

* For full contents and more information, visit: www.routledge.com/9780415522465

Advancing Wood Architecture

A Computational Approach



Edited by **Achim Menges** Stuttgart University, Germany, **Tobias Schwinn** Stuttgart University, Germany, **Oliver David Krieg** Stuttgart University, Germany

This book offers the first comprehensive overview of the new architectural possibilities that are offered by cutting edge computational technologies in wood construction. It features the project-based work of four research groups that bridge research and practice, showcasing how innovation can be transferred from the academic realm to the "real world" of construction. The projects presented include large scale, permanent buildings such as the ETH Arch-Tec Lab Building in Zurich, the Landesgartenschau Exhibition Hall near Stuttgart and the Boiler House in Hooke Park.

Routledge
August 2016 : 258pp
Pb: 978-1-138-93299-9 : **£54.99**
Hb: 978-1-138-93298-2 : **£190**
eBook: 978-1-315-67882-5

* For full contents and more information, visit: www.routledge.com/9781138932999

Architectural Terra Cotta

Design Concepts, Techniques and Applications



Donald Corner University of Oregon, Eugene, Oregon, USA, **John Rowell**

Architectural Terra Cotta examines the evolution of terra cotta and prepares architects and builders to make new, creative uses of the timeless material. With over 150 color images, this volume provides a concise resource for all those considering terra cotta as a façade system: architects, façade engineers, cladding subcontractors, materials suppliers, developers, and prospective clients. With inspiring examples of expressive possibility, this invaluable book will find a home with students and professionals alike interested in making rich, colorful, and durable buildings.

Routledge
May 2022 : 300pp
Pb: 978-0-367-17830-7 : **£35.99**
Hb: 978-0-367-17826-0 : **£155**
eBook: 978-0-429-05791-5

* For full contents and more information, visit: www.routledge.com/9780367178307

Building from Tradition

Local Materials and Methods in Contemporary Architecture



Elizabeth M. Golden University of Washington, USA

Building from Tradition demonstrates the new possibilities that traditional materials and methods offer contemporary architectural practice. By examining a series of critical case studies in diverse locations—from bamboo in Vietnam to earth in Switzerland—the book explores how contemporary approaches to old techniques can address some of the complex problems many communities are facing, both in the developed and the developing world. Presenting innovative ways of working with traditional materials, such as stone, earth, straw, bamboo, and wood, the book serves as a clear, concise and beautifully illustrated reference for professionals and students.

Routledge
December 2017 : 242pp
Pb: 978-1-138-90992-2 : **£52.99**
Hb: 978-1-138-90991-5 : **£155**
eBook: 978-1-315-69370-5

* For full contents and more information, visit: www.routledge.com/9781138909922

Case Study Strategies for Architects and Designers

Integrative Data Research Methods



Marja Sarvimaki University of Hawai'i at Manoa, in Honolulu, Hawai'i, USA

Case Study Strategies for Designers explains methods in evidence-based design, also called practice-based research, to show you the value of research to your designs. Topics covered pertain to data collection and analysis techniques, including surveys, interviews, fieldwork, participatory design, occupancy evaluations, and memory sketching. Integrative data evaluation, theoretical sampling, triangulation, pattern-matching logic, and analytical generalization are also discussed. Global research precedents, exercises, further reading, section summaries, sidebars, more than 30 black and white images and tables will help you conduct empirical inquiries in real-life contexts.

Routledge
June 2017 : 194pp
Pb: 978-1-138-89967-4 : **£61.99**
Hb: 978-1-138-89966-7 : **£190**
eBook: 978-1-315-70769-3

* For full contents and more information, visit: www.routledge.com/9781138899674

Concrete Design



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania, **Esra Hasanbas Persellin**

Series: Architect's Guidebooks to Structures

Concrete Design covers concrete design fundamentals for architects and engineers, such as tension, flexural, shear, and compression elements, anchorage, lateral design, and footings. As part of the Architect's Guidebooks to Structures Series it provides a comprehensive overview using both imperial and metric units of measurement. Written by experienced professionals, each chapter includes design steps, rules of thumb, and design examples. An indispensable reference for practicing architects and students alike, as a compact summary of key ideas it is ideal for anyone needing a quick guide to concrete design. More than 170 black and white images.

Routledge
April 2016 : 368pp
Pb: 978-1-138-82997-8 : **£38.99**
Hb: 978-1-138-82996-1 : **£200**
eBook: 978-1-315-73752-2

* For full contents and more information, visit: www.routledge.com/9781138829978

Grounds and Envelopes

Reshaping Architecture and the Built Environment



Michael U. Hensel Oslo School of Architecture and Design, Norway, **Jeffrey P. Turko** University of Brighton, UK

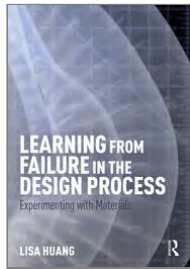
With an abundance of built and un-built key projects available, it is now possible to outline the contours of a new discourse. Grounds and Envelopes initiates a new beginning in this direction so that architecture can truly partake in the creation of heterogeneous space and culturally, socially and environmentally sustainable built environments. Providing a source of vision for the revitalisation of the notional and actual elements of ground and envelope as vital spatial elements that can inform an integral architectural design, this book collects essays and projects that each contributes to what might constitute an eventually integrated and richly nuanced approach to spatial organisation.

Routledge
June 2015 : 294pp
Pb: 978-0-415-63917-0 : **£48.99**
Hb: 978-0-415-63916-3 : **£190**
eBook: 978-1-315-72811-7

* For full contents and more information, visit: www.routledge.com/9780415639170

Learning from Failure in the Design Process

Experimenting with Materials



Lisa Huang University of Florida, Gainesville, Florida, USA

Learning from Failure in the Design Process shows you that design work builds on lessons learned from failures to help you relax your fear of making mistakes, so that you're not paralysed when faced with a task outside of your comfort zone. Highlighting numerous professional practice case studies with over 250 colour images, this book will be ideal for students interested in materials and methods, and students of architecture in design studios.

Routledge

April 2020 : 280pp

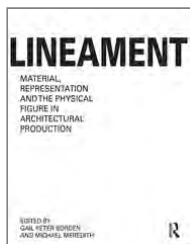
Pb: 978-1-138-91921-1 : **£48.99**

Hb: 978-1-138-91918-1 : **£155**

eBook: 978-1-315-68797-1

* For full contents and more information, visit: www.routledge.com/9781138919211

Lineament: Material, Representation and the Physical Figure in Architectural Production



Edited by **Gail Peter Borden** University of Southern California and Borden Partnership LLP, USA, **Michael Meredith**

Focusing on the relationship of geometry to materials, this comprehensive catalogue of contemporary materiality gathers together illustrated built projects, which are described both graphically and visually. It assembles a range of diverse voices across different institutions, practices, generations and locations to reveal the design influence of geometry and the processes of fabrication and construction on architecture. The book provides a high level of technical information through the case studies but positions this within a broader theoretical intention - showing how but crucially, asking why.

Routledge

September 2017 : 314pp

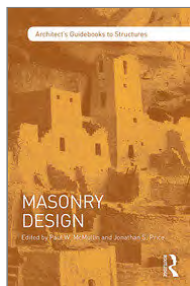
Pb: 978-1-138-92954-8 : **£58.99**

Hb: 978-1-138-92953-1 : **£190**

eBook: 978-1-315-68039-2

* For full contents and more information, visit: www.routledge.com/9781138929548

Masonry Design



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania

Series: *Architect's Guidebooks to Structures*

Masonry Design covers masonry design fundamentals for architects and engineers, such as unreinforced masonry, flexural elements, shear and torsion, compression elements, anchorage, and lateral design. As part of the Architect's Guidebooks to Structures Series it provides a comprehensive overview using both imperial and metric units of measurement. Each chapter includes design steps, rules of thumb, and design examples. This book is meant for both professionals and for students taking structures courses or comprehensive studios. As a compact summary of key ideas it is ideal for anyone needing a quick guide to masonry design. More than 150 black and white images.

Routledge

December 2018 : 256pp

Pb: 978-1-138-83097-4 : **£35.99**

Hb: 978-1-138-83096-7 : **£155**

eBook: 978-1-315-73686-0

* For full contents and more information, visit: www.routledge.com/9781138830974

Process: Material and Representation in Architecture



Gail Peter Borden University of Southern California and Borden Partnership LLP, USA

By unpacking projects through their specific design devices, this book reveals the impact of material techniques and methods of representation as a generative tool. Identifying four primary categories of representational logics - point, line, surface, mass - it illustrates the collective capability of this conceptual methodology. Broad in scope, it analyses some of the most significant projects from the last century, including: UK Pavilion Shanghai, de Young Museum, California, Jean Marie Tjibou Cultural Center, Indonesia, Los Manantiales, Mexico, and Yokahama Terminal, Japan.

Routledge

January 2014 : 288pp

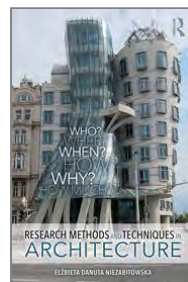
Pb: 978-0-415-52264-9 : **£54.99**

Hb: 978-0-415-52263-2 : **£200**

eBook: 978-1-315-81482-7

* For full contents and more information, visit: www.routledge.com/9780415522649

Research Methods and Techniques in Architecture



Elzbieta Danuta Niezabitowska

A strictly scientific approach to research design in architecture is no longer adequate. With contemporary considerations like behavior, health, and environmental protection, architects and students alike need holistic research methodologies that incorporate qualitative elements as well as quantitative ones. Beginning with a thorough introduction to the main scientific, environmental, and architectural theories of the late 20th century, Research methods and Techniques in Architecture guides the reader through architectural research design, building research teams, choosing applicable research methods, and representing research results.

Routledge

July 2018 : 350pp

Pb: 978-1-138-05598-8 : **£48.99**

Hb: 978-1-138-05597-1 : **£155**

eBook: 978-1-315-16559-2

* For full contents and more information, visit: www.routledge.com/9781138055988

Solid Wood

Case Studies in Mass Timber Architecture, Technology and Design



Joseph Mayo Mahlum, USA

Solid Wood provides the first detailed book which allows readers to understand new mass timber/massive wood architecture. It provides historical context in wood architecture from around the world; a strong environmental rationale for the use of wood in buildings; recent developments in contemporary fire safety and structural issues; insights into building code challenges; and detailed case studies of new large-scale wood building systems on a country-by-country basis. Case studies from the UK, Norway, Sweden, Germany, Austria, Italy, Canada, the United States, New Zealand and Australia highlight design strategies, construction details and unique cultural attitudes in wood design.

Routledge

April 2015 : 358pp

Pb: 978-0-415-72530-9 : **£65.99**

Hb: 978-0-415-72529-3 : **£200**

eBook: 978-1-315-74289-2

* For full contents and more information, visit: www.routledge.com/9780415725309

Special Structural Topics



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania, **Sarah Simchuk**

Series: *Architect's Guidebooks to Structures*

Special Structural Topics covers specialty structural situations for students and professional architects and engineers, such as soil mechanics, structural retrofit, structural integrity, cladding design, blast considerations, vibration, and structural sustainability. As part of the Architect's Guidebooks to Structures Series it provides a comprehensive overview using both imperial and metric units of measurement with more than 150 black and white images. As a compact summary of key ideas it is ideal for anyone needing a quick guide to specialty structural considerations.

Routledge
July 2017 : 302pp
Pb: 978-1-138-83892-5 : **£35.99**
Hb: 978-1-138-83890-1 : **£190**
eBook: 978-1-315-73372-2

* For full contents and more information, visit: www.routledge.com/9781138838925

Steel Design



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania, **Richard Seelos**

Series: *Architect's Guidebooks to Structures*

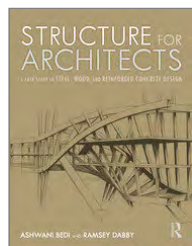
Steel Design covers steel design fundamentals for architects and engineers, such as tension elements, flexural elements, shear and torsion, compression elements, connections, and lateral design. As part of the Architect's Guidebooks to Structures Series it provides a comprehensive overview using both imperial and metric units of measurement. Each chapter includes design steps, rules of thumb, and design examples. This book is meant for both professionals and for students taking structures courses or comprehensive studios. As a compact summary of key ideas it is ideal for anyone needing a quick guide to steel design. More than 150 black and white images.

Routledge
December 2017 : 328pp
Pb: 978-1-138-83106-3 : **£36.99**
Hb: 978-1-138-83104-9 : **£190**
eBook: 978-1-315-73680-8

* For full contents and more information, visit: www.routledge.com/9781138831063

Structure for Architects

A Case Study in Steel, Wood, and Reinforced Concrete Design



Ashwani Bedi, Ramsey Dabby

Structure for Architects: A Case Study in Steel, Wood, and Reinforced Concrete Design is a sequel to the authors' first text, Structure for Architects: A Primer emphasizing the conceptual understanding of structural design in simple language and terms. This book focuses on structural principles applied to the design of typical structures – a beam, a girder, and a column – in a diagrammatic frame building. Through the application of a single Case Study across three key materials, the book illustrates the theory, principles, and process of structural design.

Routledge
August 2019 : 240pp
Pb: 978-1-138-55438-2 : **£39.99**
Hb: 978-1-138-55437-5 : **£155**
eBook: 978-1-315-12201-4

* For full contents and more information, visit: www.routledge.com/9781138554382

Sustainable Timber Design



Michael Dickson Buro Happold, Bath, UK, **Dave Parker** Journalist, UK

Sustainable Timber Design provides in-depth coverage of the design and engineering relevance of timber grade, form and detail. This book helps to redress the imbalance of available information on the principles of timber design against that already existing for steel, concrete and glass. It is designed to support specialist study in the benefits of timber engineered architecture of the 21st Century. This book offers the reader, whether student, teacher or practitioner, practical advice in designing timber architecture.

Routledge
December 2014 : 248pp
Pb: 978-0-415-46808-4 : **£59.99**
Hb: 978-0-415-46807-7 : **£190**
eBook: 978-1-315-77411-4

* For full contents and more information, visit: www.routledge.com/9780415468084

The Architecture of Waste

Design for a Circular Economy



Edited by **Caroline O'Donnell** Cornell University, USA, **Dillon Pranger** Cornell University, USA

Global material crises are imminent. This means a paradigm shift in domestic behavior, manufacturing, construction, and design is inevitable. The Architecture of Waste provides a hopeful outlook through examining current recycling practices, rethinking initial manufacturing techniques, and proposing design solutions for second lives of material objects. Complete with over 150 color images and written for both professionals and students, The Architecture of Waste is a necessary reference for rethinking the traditional role of the architect and challenging the discipline to address urgent material issues within the larger design process.

Routledge
November 2020 : 306pp
Pb: 978-0-367-24745-4 : **£35.99**
Hb: 978-0-367-24746-1 : **£155**
eBook: 978-0-367-24747-8

* For full contents and more information, visit: www.routledge.com/9780367247454

The Fabric Formwork Book

Methods for Building New Architectural and Structural Forms in Concrete



Mark West Massachusetts Institute of Technology, USA

Concrete is the most used man-made material in the world and is the fundamental physical medium for most of the world's architecture and construction. The advent of flexible moulds marks a radical break from conventional practice. The Fabric Formwork Book is the first comprehensive handbook on the emerging technology of flexible formworks (molds) for reinforced concrete architecture. Beautifully designed and illustrated with a superb range of images, diagrams and technical drawings the book both informs and inspires. Speaking directly to professionals, students and academics, the language used is clear and precise and care is taken to avoid opaque technical or academic jargon.

Routledge
December 2016 : 318pp
Pb: 978-0-415-74886-5 : **£83.99**
Hb: 978-0-415-74885-8 : **£200**
eBook: 978-1-315-67502-2

* For full contents and more information, visit: www.routledge.com/9780415748865

Timber Design



Edited by **Paul McMullin** University of Utah, Salt Lake City, Utah, **Jonathan Price** Philadelphia University, Philadelphia, Pennsylvania

Series: *Architect's Guidebooks to Structures*

Timber Design covers timber fundamentals for students and professional architects and engineers, such as tension elements, flexural elements, shear and torsion, compression elements, connections, and lateral design. As part of the Architect's Guidebooks to Structures Series, it provides a comprehensive overview using both imperial and metric units of measurement. Timber Design begins with an intriguing case study and uses a range of examples and visual aids, including more than 200 black and white images, to illustrate key concepts. As a compact summary of fundamental ideas, it is ideal for anyone needing a quick guide to timber design.

Routledge
April 2017 : 386pp
Pb: 978-1-138-83871-0 : **£35.99**
Hb: 978-1-138-83870-3 : **£160**
eBook: 978-1-315-73389-0

* For full contents and more information, visit: www.routledge.com/9781138838710

Timber Gridshells

Architecture, Structure and Craft



John Chilton University of Nottingham, UK, **Gabriel Tang** Sheffield Hallam University, UK

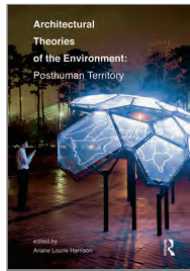
This timely book charts the origin and evolution of the timber gridshell and its relation to timber lattice architecture. Drawing on a range of international case studies, the authors trace the effect advances in technology have had on design and construction in this field, providing a clear understanding of the structure, morphology, design process, and construction technology, and examining both the application and constraints of timber gridshells in architectural design. Highly illustrated throughout, Timber Gridshells provides answers and inspires new ideas, making it essential reading for students of architecture as well as professional architects.

Routledge
October 2016 : 280pp
Pb: 978-1-138-77530-5 : **£65.99**
Hb: 978-1-138-77529-9 : **£190**
eBook: 978-1-315-77387-2

* For full contents and more information, visit: www.routledge.com/9781138775305

Architectural Theories of the Environment

Posthuman Territory



Edited by **Ariane Lourie Harrison** Yale University, New Haven, USA

These essays by architects, theorists, and sustainable designers provide a framework to help you develop a posthuman understanding of the design environment. Introductions define key terms, and nine illustrated case studies demonstrate the concepts. Includes nearly 100 two-color images. Case studies of work by Arakawa and Gins, Arons en Gelauff, Casagrande, The Living, Minifie van Schaik, R & Sie (n), SCAPE, Studio Gang, and xDesign. With essays by Gilles Clément, Elizabeth Grosz, Simon Guy, Seth Harrison, N. Katherine Hayles, Ursula Heise, Catherine Ingraham, Bruno Latour, William J. Mitchell, Matteo Pasquinelli, Erik Swyngedouw, Jennifer Wolch, Cary Wolfe, Alben Yaneva, and others.

Routledge
December 2012 : 336pp
Pb: 978-0-415-50619-9 : **£52.99**
Hb: 978-0-415-50618-2 : **£190**
eBook: 978-0-203-08427-4

* For full contents and more information, visit: www.routledge.com/9780415506199

Architecture and Health

Guiding Principles for Practice



Edited by **Dina Battisto** Clemson University, US, **Jacob J. Wilhelm** Clemson University, US

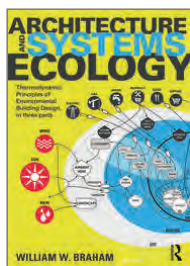
Health and architecture are increasingly overlapping for designers in the 21st Century, with mounting evidence revealing that built environments are critical for people's health and well-being in everyday life. Architecture and Health focuses on principles related to architecture for health and well-being with a deep dive into specific case studies.

Routledge
October 2019 : 412pp
Pb: 978-0-367-07522-4 : **£50.99**
Hb: 978-0-367-07521-7 : **£155**
eBook: 978-0-429-02116-9

* For full contents and more information, visit: www.routledge.com/9780367075224

Architecture and Systems Ecology

Thermodynamic Principles of Environmental Building Design, in three parts



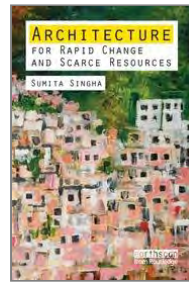
William W. Braham University of Pennsylvania, USA

This book explores the architectural implications of systems ecology, extending the principles of thermodynamics from the nineteenth-century focus on more efficient machinery to the contemporary concern with the resilient self-organization of ecosystems. Written with enough technical material to explain the methods, it does not include in-text equations or calculations, relying instead on the energy system diagrams to convey the argument. Architecture and Systems Ecology has minimal technical jargon and an emphasis on intelligible design conclusions, making it suitable for students and professionals engaged with the fundamental issues faced by sustainable design.

Routledge
August 2015 : 276pp
Pb: 978-1-138-84607-4 : **£65.99**
Hb: 978-1-138-84605-0 : **£180**
eBook: 978-1-315-72772-1

* For full contents and more information, visit: www.routledge.com/9781138846074

Architecture for Rapid Change and Scarce Resources



Sumita Singha Self-employed Architect, UK

This book explores what it means for development professionals to practise architecture on a global scale and provides a blueprint for developing architectural practices based on reciprocal working methods. The content is based on real situations – through extended field research and contacts with architecture schools and architects, as well as participating NGOs. It demonstrates that the ability to produce appropriate and sustainable design is increasingly relevant, whether in the field of disaster relief, longer-term development or wider urban contexts, both in rich countries and poor countries.

Routledge
February 2012 : 320pp
Pb: 978-1-849-71116-6 : **£44.99**
Hb: 978-1-849-71115-9 : **£200**
eBook: 978-0-203-13518-1

* For full contents and more information, visit: www.routledge.com/9781849711166

Architecture for Residential Care and Ageing Communities

Spaces for Dwelling and Healthcare



Edited by **Sten Gromark**, **Björn Andersson**

Architecture for Residential Care and Ageing Communities confronts urgent architectural design challenges within residential innovation, ageing communities and healthcare environments. This book identifies, presents, and articulates new qualities in designs, in caring processes, and healing atmospheres, thereby providing operational knowledge developed in close collaboration with academics, actors and stakeholders in architecture, design, and healthcare. This is an ideal read for those interested in situations of dwelling, ageing and caring.

Routledge
October 2020 : 308pp
Pb: 978-0-367-35871-6 : **£39.99**
Hb: 978-0-367-35873-0 : **£155**
eBook: 978-0-429-34237-0

* For full contents and more information, visit: www.routledge.com/9780367358716

2ND EDITION

Cognitive Architecture

Designing for How We Respond to the Built Environment



Ann Sussman Boston Architectural College, USA, **Justin Hollander** Tufts University, Medford, Massachusetts, USA

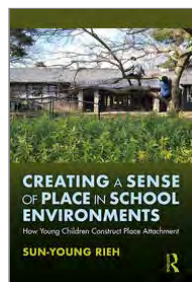
In this expanded second edition of Cognitive Architecture, the authors review new findings in psychology and neuroscience to help architects and planners better understand their clients as the sophisticated mammals they are, arriving in the world with built-in responses to the environment. A compelling read for students, professionals and the general public, Cognitive Architecture takes an inside-out approach to design, arguing that the more we understand human behavior, the better we can design and plan for it.

Routledge
July 2021 : 254pp
Pb: 978-0-367-46859-0 : **£44.99**
Hb: 978-0-367-46860-6 : **£155**
eBook: 978-1-003-03154-3

* For full contents and more information, visit: www.routledge.com/9780367468590

Creating a Sense of Place in School Environments

How Young Children Construct Place Attachment



Sun-Young Rieh

Creating a Sense of Place in School Environments guides its readers to the characteristics that tend to generate a sense of place through children's vivid descriptions of their school and provides a body of critical information that can be employed to design a better school environment that can imprint cherished childhood memories.

Routledge
April 2020 : 180pp
Pb: 978-1-138-33901-9 : **£39.99**
Hb: 978-1-138-33900-2 : **£155**
eBook: 978-0-429-44133-2

* For full contents and more information, visit: www.routledge.com/9781138339019

Creating Sensory Spaces

The Architecture of the Invisible



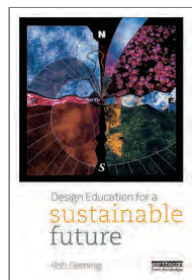
Barbara Erwine University of Washington, USA

Creating Sensory Spaces celebrates spaces enlivened with sensual richness and provides you with the knowledge and tools necessary to create them. Drawing on numerous built case studies and environments in ten countries, and illustrated with over 85 full color images, the book presents a new framework for the design of sensory spaces including light, color, temperature, smell, sound, touch, and the personal and communal spaces created by habitual use patterns. The concepts of location, boundary, intensity, and duration, will inform your buildings and neighborhoods so that you're designing spaces that speak to the soul.

Routledge
December 2016 : 288pp
Pb: 978-1-138-91877-1 : **£48.99**
Hb: 978-1-138-91876-4 : **£200**
eBook: 978-1-315-68828-2

* For full contents and more information, visit: www.routledge.com/9781138918771

Design Education for a Sustainable Future



Rob Fleming Philadelphia University, USA

Design Education for a Sustainable Future argues for an imaginative leap forward in design education: from an individualistic and competitive model casually focused on greening to a new approach defined by an integral consciousness, shaped by the values of inclusivity and cooperation. It contains the frameworks, whole system change methodologies, intrinsic values and integrative behaviors that will assist professors and their students in an authentic and effective pursuit of design education for a sustainable future. 1. A New Context for Design Education 2. Understanding Sustainability and Sustainable Design 3. Design Consciousness 4. Inclusive Design Teams 5. Cooperative Learning Environments 6. Alignment of Activities 7. Integrative Behaviours 8. Nature's Advocate: Metrics, Standards and Rating Systems 9. Tiny Revolutions

Routledge
March 2013 : 264pp
Pb: 978-0-415-53766-7 : **£52.99**
Hb: 978-0-415-53765-0 : **£190**
eBook: 978-0-203-58407-1

* For full contents and more information, visit: www.routledge.com/9780415537667

Designing for Autism Spectrum Disorders



Kristi Gaines Texas Tech University, USA, **Angela Bourne** Fanshawe College, Canada, **Michelle Pearson** Texas Tech University, USA, **Mesha Kleibrink** Texas Tech University, USA

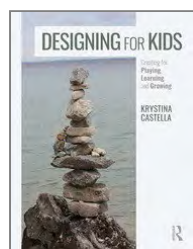
Designing for Autism Spectrum Disorders explains the influence of the natural and man-made environment on individuals with autism spectrum disorders (ASD) and other forms of intellectual/developmental disabilities (IDD). Drawing on the latest research in the fields of environmental psychology and education, the authors show you how architecture and interior spaces can positively influence individuals with neurodiversities by modifying factors such as color, lighting, space organization, textures, acoustics, and ventilation.

Routledge
December 2018 : 232pp
Pb: 978-0-367-03046-9 : **£38.99**
Hb: 978-0-415-72527-9 : **£155**
eBook: 978-1-315-85687-2

* For full contents and more information, visit: www.routledge.com/9780367030469

Designing for Kids

Creating for Playing, Learning, and Growing



Krystina Castella Art Center, Pasadena, California, USA

Designing for Kids gives you all you need to know about age appropriateness, play patterns, age transitions, play testing, safety standards, materials, and the day-to-day lives of kids, so that you can make being a kid better with your designs. The book shows research, theories, and terms used in the fields of developmental psychology, sociology, cultural anthropology, and education so that you can get started making things right away. Includes more than 150 color images, a glossary, further reading, and discussion questions.

Routledge
December 2018 : 476pp
Pb: 978-1-138-29076-1 : **£48.99**
Hb: 978-1-138-29075-4 : **£200**
eBook: 978-1-315-26601-5

* For full contents and more information, visit: www.routledge.com/9781138290761

Designing Public Spaces in Hospitals



Nicoletta Setola University of Florence, Italy, **Sabrina Borgianni** University of Florence, Italy

Designing Public Spaces in Hospitals illustrates that in addition to their aesthetic function, public spaces in hospital play a fundamental role concerning people's satisfaction and experience of health care. The book highlights how spatial properties, such as accessibility, visibility, proximity, and intelligibility affect people's behavior and interactions in hospital public spaces. Based on the authors' research, the book includes detailed analysis of three hospitals and criteria that can support the design in circulation areas, arrival and entrance, first point of welcome, reception, and the interface between city and hospital. Illustrated with 150 black and white images.

Routledge
April 2016 : 304pp
Pb: 978-1-138-85720-9 : **£59.99**
Hb: 978-1-138-85719-3 : **£200**
eBook: 978-1-315-71884-2

* For full contents and more information, visit: www.routledge.com/9781138857209

4TH EDITION

Ecohouse



Susan Roaf Heriot-Watt University, UK, **Manuel Fuentes**, **Stephanie Thomas-Rees** Florida Solar Energy Center, USA

Sue Roaf is famed for her approach to design and her awareness of energy efficiency. Here she reveals the concepts, structures and techniques that lie behind the realization of her ideals. Now in its fourth edition, the bestselling Ecohouse continues to be both a technical guide and an inspiration for thousands of architects, designers and eco-builders all over the world. This revised and updated new edition is an excellent comprehensive reference for architects, designers and their clients, as well as self builders, who wish to help make sustainable design a reality.

Routledge

November 2012 : 536pp

Pb: 978-0-415-52677-7 : **£59.99**

Hb: 978-1-138-47137-5 : **£200**

eBook: 978-1-315-72598-7

* For full contents and more information, visit: www.routledge.com/9780415526777

Elements of Sustainable Architecture



Rosa Urbano Gutiérrez University of Liverpool, UK, **Laura de la Plaza Hidalgo**

For sustainable architecture to become a reality, the way we design buildings needs to change. Many architects worry that sustainable technologies interfere with a building's aesthetic appearance and so these are often 'added on' once the design process is complete. Elements of Sustainable Architecture solves this dilemma by helping students to develop the skills they need to create sustainable buildings – ensuring that ecological considerations are applied throughout the design process. Restoring the primacy of aesthetics and creativity to sustainable design, this clear, visual introduction to creating aesthetically beautiful and sustainable buildings is an essential text for students.

Routledge

December 2019 : 226pp

Pb: 978-0-815-36783-3 : **£44.99**

Hb: 978-0-815-36782-6 : **£140**

eBook: 978-1-351-25644-5

* For full contents and more information, visit: www.routledge.com/9780815367833

Health and Well-being for Interior Architecture



Edited by Dak Kopec Boston Architectural College, Boston, Massachusetts, USA

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

Routledge

June 2017 : 246pp

Pb: 978-1-138-20662-5 : **£50.99**

Hb: 978-1-138-20661-8 : **£160**

eBook: 978-1-315-46441-1

* For full contents and more information, visit: www.routledge.com/9781138206625

Homelessness and the Built Environment

Designing for Unhoused Persons



Jill Pable Florida State University, USA, **Yelena McLane** Florida State University, USA, **Lauren Trujillo** Florida State University, USA

This book considers the supportive role that design can play for unhoused persons and other users and argues that the built environment is an equal partner alongside other therapies and programs for ending a person's state of homelessness. Homelessness and the Built Environment is an imperative and singular reference for interior designers, architects and building renovation sponsors, design researchers and students forging new discoveries, and policy makers who seek to assist communities affected by homelessness.

Routledge

July 2021 : 270pp

Pb: 978-0-367-23244-3 : **£35.99**

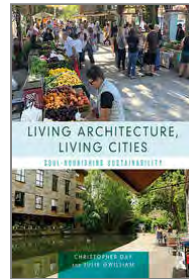
Hb: 978-0-367-23262-7 : **£155**

eBook: 978-0-429-27902-7

* For full contents and more information, visit: www.routledge.com/9780367232443

Living Architecture, Living Cities

Soul-Nourishing Sustainability



Christopher Day, **Julie Gwilliam** Welsh School of Architecture, Cardiff University, UK

It's widely accepted that our environment is in crisis. Less widely recognized is that three quarters of environmental damage is due to cities – the places where most of us live. As this powerful new book elucidates, global sustainability is therefore directly dependent on urban design. Christopher Day moves beyond the current emphasis on technological change and argues that eco-technology allows us to continue broadly as before and only defers the impending disaster. In reality, most negative environmental impacts are due to how we live and the things we buy. This is essential reading for anyone who believes in the value and power of good design.

Routledge

November 2019 : 466pp

Pb: 978-1-138-59482-1 : **£41.99**

Hb: 978-1-138-59480-7 : **£155**

eBook: 978-0-429-48855-9

* For full contents and more information, visit: www.routledge.com/9781138594821

New Directions in Sustainable Design



Edited by Adrian Parr, **Michael Zaretsky** University of Cincinnati, USA

Combining a series of well know authors in contemporary philosophy with established practitioners of sustainable design, this book describes a new way to approach sustainable design, so as to equip the next generation of designers with the necessary conceptual tools in thinking sustainably. This book brings together new and emerging perspectives on sustainability provides cohesive and jargon-free reading articulates the specificity of both theory and practice, to develop a symbiotic relationship which allows the reader to understand what thinking sustainably entails. Selected Contents: Part 1: Principles Part 2: Ecologies Part 3: Resiliences Part 4: Techniques Part 5: Concepts

Routledge

October 2010 : 280pp

Pb: 978-0-415-78037-7 : **£58.99**

Hb: 978-0-415-78036-0 : **£200**

eBook: 978-0-203-84303-1

* For full contents and more information, visit: www.routledge.com/9780415780377

Pathways to Well-Being in Design

Examples from the Arts, Humanities and the Built Environment



Edited by **Richard Coles** Birmingham City University, UK,
Sandra Costa Birmingham City University, UK, **Sharon Watson** Birmingham City University, UK

How can we achieve and promote well-being? Drawing on examples from the arts, humanities, and design, this book brings together work from a wide range of areas to reveal how different disciplines approach the universal goal of supporting well-being. The book's twelve chapters feature real world case studies which cover a range of situations, circumstances, environments, and social groups, inviting readers to consider these ideas within the framework of their own work. This is essential reading for anyone seeking to understand well-being, including students and professionals in architecture, landscape architecture, urban planning, design, and health sciences.

Routledge
October 2018 : 264pp
Pb: 978-0-815-34695-1 : **£46.99**
Hb: 978-0-815-34694-4 : **£155**
eBook: 978-1-351-17004-8

* For full contents and more information, visit: www.routledge.com/9780815346951

Person-Centered Health Care Design



Dak Kopec University of Nevada, USA

This book presents the specialized area of person-centered health care design, which focuses on a person's design needs because of one or more health conditions and requires foundational knowledge pertaining to infection control, bio physiology, neuroscience, and basic biomechanics. Dak Kopec encourages readers to think critically and deductively about numerous health conditions and how to best design for them. This book provides students and practitioners a foundational framework that supports the promotion of health, safety, and welfare as they pertain to a person's physiological, psychological, and sociological well-being.

Routledge
May 2021 : 338pp
Pb: 978-0-367-19487-1 : **£41.99**
Hb: 978-0-367-19485-7 : **£155**
eBook: 978-0-429-20274-2

* For full contents and more information, visit: www.routledge.com/9780367194871

Place Meaning and Attachment

Authenticity, Heritage and Preservation



Edited by **Dak Kopec** University of Nevada, USA,
AnnaMarie Bliss

This edited volume will explore the different meanings and forms of place attachment and meaning based on our histories and conceptualization of material artifacts. Each chapter examines a varied relationship between a given society and the meaning formed through myth, symbols, and ideologies manifested through diverse forms of material artifacts. Topics of consideration examine place attachment at many scales including at the level of the artifact, human being, building, urban context, and region. Covering a broad range of international perspectives on place meaning, this book is an essential read for students, academics and professionals alike.

Routledge
March 2020 : 244pp
Pb: 978-0-367-23265-8 : **£41.99**
Hb: 978-0-367-23266-5 : **£155**
eBook: 978-0-367-23268-9

* For full contents and more information, visit: www.routledge.com/9780367232658

Programming for Health and Wellbeing in Architecture



Edited by **Keely Menezes**, **Pamela de Oliveira-Smith**,
A. Vernon Woodworth

Programming for Health and Wellbeing in Architecture presents a new approach to architectural programming that includes sustainability, neuroscience and human factors. This book expands the scope of the programming process and provides essential guidance for sustainable practice and the advancement of wellbeing in the built environment for architecture and interiors students, practitioners, instructors and academics.

Routledge
November 2021 : 282pp
Pb: 978-0-367-75886-8 : **£39.99**
Hb: 978-0-367-75884-4 : **£155**
eBook: 978-1-003-16441-8

* For full contents and more information, visit: www.routledge.com/9780367758868

Spatial Agency: Other Ways of Doing Architecture



Nishat Awan University of Sheffield, UK, **Tatjana Schneider**, **Jeremy Till** University of Westminster, UK

This book offers the first comprehensive overview of alternative approaches to architectural practice. At a time when many commentators are noting that alternative and richer approaches to architectural practice are required if the profession is to flourish, this book provides multiple examples from across the globe of how this has been achieved and how it might be achieved in the future. Particularly pertinent in the current economic climate, this book offers the reader new approaches to architectural practice in a changing world. Essential reading for any architect, aspiring or practicing. Selected Contents: 1. Introduction 2. The Motivations of Spatial Agency 3. The Sites of Spatial Agency 4. The Operations of Spatial Agency 5. Other Ways of Doing Architecture

Routledge
June 2011 : 224pp
Pb: 978-0-415-57193-7 : **£49.99**
eBook: 978-1-315-88124-9

* For full contents and more information, visit: www.routledge.com/9780415571937

Sustainability in Architecture and Urban Design



Carl Bovill University of Maryland, USA

Sustainability in Architecture and Urban Design will help you understand the nature of the sustainability problem and show you how to implement your design for a sustainable future. Organized in six parts, the problem, the environment, the residential scale, the commercial scale, the urban scale, and energy sources, the book presents essential information in context, so that you get the full picture. Hundreds of black and white drawings, sketches, charts, and diagrams illustrate points author Carl Bovill makes in his clear and direct style, which communicates the basics in a concise way.

Routledge
December 2014 : 284pp
Pb: 978-0-415-72495-1 : **£65.99**
Hb: 978-0-415-72492-0 : **£200**
eBook: 978-1-315-85695-7

* For full contents and more information, visit: www.routledge.com/9780415724951

Sustainable Building Design

Learning from nineteenth-century innovations



Vidar Lerum University of Illinois at Urbana-Champaign, USA

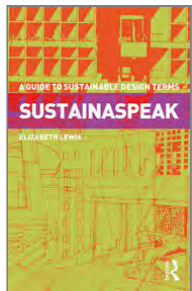
By dissecting and analysing great public buildings of the nineteenth and twenty-first centuries, materials, techniques, and methods are discovered. This book presents the reader with clues and suggestions that will reveal the secrets of these buildings and by doing so provide the reader with a thorough understanding of how these architectural masterpieces work. Using photographs, drawings, sections, plans and diagrams which are painstakingly redrawn for consistency and clarity by the author based on a wide range of documentation, the author compares works from the nineteenth and twenty-first centuries.

Routledge
September 2015 : 268pp
Pb: 978-0-415-84074-3 : **£52.99**
Hb: 978-0-415-84073-6 : **£190**
eBook: 978-1-315-73626-6

* For full contents and more information, visit: www.routledge.com/9780415840743

Sustainspeak

A Guide to Sustainable Design Terms



Elizabeth Lewis Florida A&M University, Tallahassee, Florida, USA

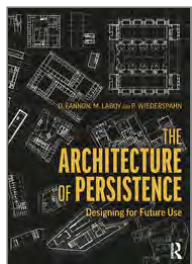
Sustainspeak: A Guide to Sustainable Design Terms provides a current guide to the sustainable design strategies, terms and practices needed for the next generation of designers, architects, students, and community leaders to design a carbon-neutral world for future generations. The book includes definitions of over 200 terms with further sources, is clearly cross-referenced with Sustainspeak, Theoryspeak and Archispeak terms and illustrated throughout with sustainable award-winning buildings by e.g. BNIM, Brooks+Scarpa, EHDD, KieranTimberlake, Lake|Flato, Leddy Mahtum Stacy and McDonough+Partners.

Routledge
February 2018 : 348pp
Pb: 978-1-138-28333-6 : **£39.99**
Hb: 978-1-138-28332-9 : **£155**
eBook: 978-1-315-27032-6

* For full contents and more information, visit: www.routledge.com/9781138283336

The Architecture of Persistence

Designing for Future Use



David Fannon Northeastern University, USA, **Michelle Laboy**, **Peter Wiederspahn**

The Architecture of Persistence argues that continued human use is the ultimate measure of sustainability in architecture, and that expanding the discourse about adaptability to include continuity as well as change offers the architectural manifestation of resilience. 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.

Routledge
August 2021 : 312pp
Pb: 978-0-367-48637-2 : **£38.99**
Hb: 978-0-367-48638-9 : **£155**
eBook: 978-1-003-04201-3

* For full contents and more information, visit: www.routledge.com/9780367486372

The EcoEdge

Urgent Design Challenges in Building Sustainable Cities



Edited by **Esther Charlesworth** RMIT University, Australia, **Rob Adams** Director of Design and Urban Environment, City of Melbourne, Australia

Presenting diverse case studies of contemporary sustainable urban practice from Europe, Africa, India, South America, the USA and Australia, this book offers the reader a fantastic wealth of practical material from a range of internationally renowned authors. Divided into three parts, each part is introduced by a thematic overview essay by an internationally respected design scholar, on sustainability and their field of practice. These essays offer insights on principles and comparisons illustrated by each case study chapter that follows. Highly illustrated, thematically focused and with a superb global coverage, this book presents a multi-voiced and yet highly cohesive reference for anyone interested in green issues in urban design and architecture. Selected Contents: Part 1: Urban Design and a Sustainable City Part 2: Infrastructure and a Sustainable City Part 3: Architecture and Sustainable City

Routledge
February 2011 : 212pp
Pb: 978-0-415-57248-4 : **£52.99**
Hb: 978-0-415-57247-7 : **£200**
eBook: 978-1-315-88123-2

* For full contents and more information, visit: www.routledge.com/9780415572484

2ND EDITION

The Environmental Imagination

Technics and Poetics of the Architectural Environment



Dean Hawkes University of Cambridge, UK

Fully revised in this new edition, Dean Hawkes incorporates new research and recent scholarship in environmental studies to assess the works of several leading figures throughout the nineteenth, twentieth and twenty-first centuries. The book discusses events covering the nineteenth and twentieth centuries and touches upon the beginning of the twenty-first incorporating the work of Le Corbusier, Mies van der Rohe, Louis Kahn, Carlo Scarpa, Sigurd Lewerentz, Luis Barragan and Peter Zumthor.

Taylor & Francis
November 2019 : 316pp
Pb: 978-1-138-62898-4 : **£44.99**
Hb: 978-1-138-62897-7 : **£140**
eBook: 978-1-315-21057-5

* For full contents and more information, visit: www.routledge.com/9781138628984

Urban Experience and Design

Contemporary Perspectives on Improving the Public Realm



Edited by **Justin B. Hollander** Tufts University, USA, **Ann Sussman** Boston Architectural College, USA

Embracing a biological and evolutionary perspective to explain the human experience of place, Urban Experience and Design explores how cognitive science and biometric tools provide an evidence-based foundation for architecture and planning. This volume invites students, academics, and scholars to see how cognitive science and biometric findings give us remarkable 21st-century metrics for evaluating and improving designs, even before they are built.

Routledge
October 2020 : 252pp
Pb: 978-0-367-43555-4 : **£39.99**
Hb: 978-0-367-43557-8 : **£155**
eBook: 978-0-367-43558-5

* For full contents and more information, visit: www.routledge.com/9780367435554

Architects After Architecture

Alternative Pathways for Practice



Edited by **Harriet Harriss** Pratt School of Architecture, New York City, **Rory Hyde** Victoria and Albert Museum, London, **Roberta Marcaccio** Architectural Association, London

What can you do with a degree in architecture? Where might it take you? What kind of challenges could you address? *Architects After Architecture* reframes architecture as a uniquely versatile way of acting on the world, far beyond that of designing buildings. The book describes a future of architecture that is diverse and engaged, expanding the limits of the discipline, and offering new paths forward in times of crisis. Whether you are an architecture student or a practicing architect considering a change, you'll find this an encouraging and inspiring read.

Routledge
December 2020 : 320pp
Pb: 978-0-367-44121-0 : **£31.99**
Hb: 978-0-367-44122-7 : **£105**
eBook: 978-1-003-00775-3

* For full contents and more information, visit: www.routledge.com/9780367441210

Architecture 3.0

The Disruptive Design Practice Handbook



Cliff Moser

This comprehensive and practical handbook is the definitive guide for the future direction of the practice and profession of architecture. In four parts, Cliff Moser provides you with all the tools and know-how to implement changes that will serve you and your practice in the short, medium and long term. Written at a crucial time for the industry, this is essential reading for every architect. Selected Contents: Part 1: You - The Designer Part 2: Your Profession - Employment and Practice Part 3: Your Tools - Innovative Instruments of Practice Part 4: Your Place in the World - Clients, Consultants, Projects, and People

Routledge
November 2013 : 320pp
Pb: 978-0-415-62282-0 : **£52.99**
Hb: 978-1-138-14385-2 : **£155**
eBook: 978-1-315-85182-2

* For full contents and more information, visit: www.routledge.com/9780415622820

Architecture and Labor



Peggy Deamer

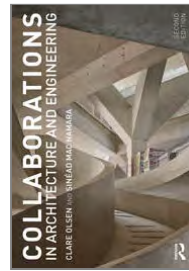
This book addresses how, not just what, architects produce and focuses not on the past but on the present. It is sympathetic to the particularly intimate way that architects approach their design work while contextualizing that work historically, institutionally, economically, and ideologically. *Architecture and Labor* is sure to be a compelling read for pre-professional students, academics, and practitioners.

Routledge
April 2020 : 192pp
Pb: 978-0-367-34350-7 : **£38.99**
Hb: 978-0-367-34351-4 : **£155**
eBook: 978-0-429-32518-2

* For full contents and more information, visit: www.routledge.com/9780367343507

2ND EDITION

Collaborations in Architecture and Engineering



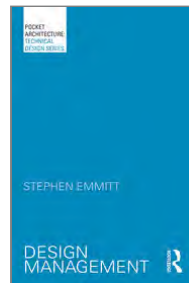
Clare Olsen California Polytechnic State University, San Luis Obispo, USA, **Sinead Mac Namara** Syracuse University, New York, USA

This new edition of *Collaborations in Architecture and Engineering* explores how to effectively develop creative collaborations among architects and engineers. The authors, an architect and an engineer, share insights gained from their experiences and research on fostering productive communication, engaging in interdisciplinary discussions, and establishing common design goals. The second edition of *Collaborations in Architecture and Engineering* is a terrific sourcebook for students, educators and professionals interested in integrative design practice among the disciplines.

Routledge
January 2022 : 324pp
Pb: 978-0-367-86285-5 : **£35.99**
Hb: 978-0-367-86286-2 : **£155**
eBook: 978-1-003-01817-9

* For full contents and more information, visit: www.routledge.com/9780367862855

Design Management



Stephen Emmitt University of Bath, UK

Series: PocketArchitecture

This book addresses the value that design management and design managers contribute to construction projects. As part of the *PocketArchitecture* series, *Design Management* is divided into two parts: Fundamentals and Application. In Part One, Fundamentals, the chapters address the why?, what?, how? and when? questions in a simple and informative style. In Part Two, case studies from the USA and Norway represent unique examples of the application of design management. This book offers a concise overview of design management for postgraduate students and early career design managers.

Routledge
November 2016 : 182pp
Pb: 978-1-138-93066-7 : **£39.99**
Hb: 978-1-138-93065-0 : **£155**
eBook: 978-1-315-68031-6

* For full contents and more information, visit: www.routledge.com/9781138930667

Designing Profits

Creative Business Strategies for Design Practices



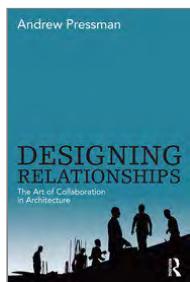
Morris Nunes, Andrew Pressman University of New Mexico, USA

This is not an ordinary book on running your practice but a toolkit with a difference. Applying design thinking to business decisions, the authors demonstrate that it is possible to be as creative in running a practice as in designing a building. Written in a remarkably entertaining and accessible style, the book follows mythical firm Michelangelo & Brunelleschi Architects LLC as they encounter difficult clients, tight project schedules, marketing challenges, and quirky staff, bringing the material to life with tangible examples and practical templates. A must-have book for seasoned professionals as well as recent graduates in architecture and related fields.

Routledge
December 2015 : 178pp
Pb: 978-1-138-83848-2 : **£41.99**
Hb: 978-1-138-83847-5 : **£190**
eBook: 978-1-315-73430-9

* For full contents and more information, visit: www.routledge.com/9781138838482

Designing Relationships: The Art of Collaboration in Architecture



Andrew Pressman

Focuses on the skill set necessary to facilitate effective teamwork and collaboration among all stakeholders no matter what project delivery mode or technology is deployed. This book provides valuable guidance on how to design and construct buildings in a team context from inception to completion. Showing examples of best and worst practice to illustrate the principles with real-life situations, this book presents the reader with an approach that is flexible and applicable to their everyday working life.

Routledge
January 2014 : 120pp
Pb: 978-0-415-50628-1 : **£35.99**
Hb: 978-0-415-50627-4 : **£190**
eBook: 978-1-315-85235-5

* For full contents and more information, visit: www.routledge.com/9780415506281

Future Practice

Conversations from the Edge of Architecture



Rory Hyde

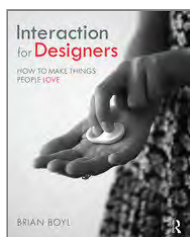
Interviews with innovators who define seventeen new architectural practice types including community enabler, management thinker, and civic entrepreneur. With a foreword by Dan Hill and interviews with Steve Ashton, ARM; Bryan Boyer, Helsinki Design Lab; Camila Bustamante; Mel Dodd, muf_aus; DUS Architects; Jeanne Gang, Studio Gang; Reinier de Graaf and many more.

Routledge
October 2012 : 280pp
Pb: 978-0-415-53354-6 : **£41.99**
Hb: 978-0-415-53353-9 : **£190**
eBook: 978-0-203-10022-6

* For full contents and more information, visit: www.routledge.com/9780415533546

Interaction for Designers

How To Make Things People Love



Brian L.M. Boyl Art Center College of Design, Pasadena, California, USA

Interaction for Designers shows you how connect a product with its users, whether it's a simple toaster, a complex ecosystem of intelligent devices, or a single app on your smart phone. This book covers the entire design process so you can start with an idea and carry it through to an engaging final design.

Routledge
April 2019 : 336pp
Pb: 978-0-415-78725-3 : **£50.99**
Hb: 978-0-415-78724-6 : **£155**
eBook: 978-1-315-22622-4

* For full contents and more information, visit: www.routledge.com/9780415787253

2ND EDITION

Managing Quality in Architecture

Integrating BIM, Risk and Design Process



Charles Nelson Architect, Australia, **William Ronco**, **John Beveridge**, **Jack Reigle**, **James Cramer**

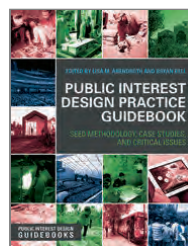
Completely revised throughout for this second edition, Managing Quality in Architecture addresses the new ISO 9001 standards after the significant 2015 revision. ISO 9001 is the global standard for quality, and firms certified under the 2008 edition have 3 years to upgrade their quality systems to the new Standard. This book helps architects and engineers to develop appropriate quality systems that meet the requirements of the international Standard. International contributions provide expertise in each topic and case studies from the USA, Japan, Australia and New Zealand provide easy-to-follow illustrations of the important areas to understand.

Routledge
November 2017 : 382pp
Pb: 978-1-138-28019-9 : **£59.99**
Hb: 978-1-138-28017-5 : **£155**
eBook: 978-1-315-27238-2

* For full contents and more information, visit: www.routledge.com/9781138280199

Public Interest Design Practice Guidebook

SEED Methodology, Case Studies, and Critical Issues



Edited by **Lisa Abendroth** Metropolitan State University of Denver, Colorado, USA, **Bryan Bell** Design Corps, Raleigh, North Carolina, USA

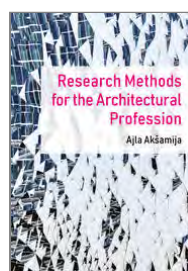
Series: Public Interest Design Guidebooks

Public Interest Design Practice Guidebook: Seed Methodology, Case Studies, and Critical Issues is the first book to demonstrate that public interest design has emerged as a distinct profession. It provides clear professional standards of practice following SEED (Social Economic Environmental Design) methodology, the first step-by-step process supporting public interest designers. The book features an Issues Index composed of ninety critical social, economic, and environmental issues, illustrated with thirty case study projects representing eighteen countries and four continents, all cross-referenced, to show you how every human issue is a design issue.

Routledge
June 2015 : 364pp
Pb: 978-1-138-81035-8 : **£78.99**
Hb: 978-1-138-81034-1 : **£200**
eBook: 978-1-315-74957-0

* For full contents and more information, visit: www.routledge.com/9781138810358

Research Methods for the Architectural Profession



Ajla Aksamija University of Mass. Amherst, USA

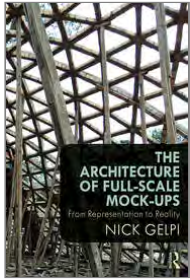
Research Methods for the Architectural Profession introduces research as a systematic process, describes how to formulate research questions, provides an in-depth explanation of different research methods, explains how to select appropriate research methods, and execute research studies. Most importantly, it provides guidelines for integrating research into profession, and uses extensive case-studies and practice-relevant examples to illustrate main concepts, procedures, and applications. Richly illustrated with over 150 color images, this reference will be useful for both students and practitioners.

Routledge
March 2021 : 224pp
Pb: 978-0-367-43396-3 : **£30.99**
Hb: 978-0-367-43397-0 : **£155**
eBook: 978-1-003-00293-2

* For full contents and more information, visit: www.routledge.com/9780367433963

The Architecture of Full-Scale Mock-Ups

From Representation to Reality



Nick Gelpi Florida International University, Miami, Florida, USA

The Architecture of Full-Scale Mock-Ups looks at the theory and contemporary practice of creating full-scale architectural mock-ups. Investigating unique case studies to answer how and when full-scale mock-ups occur today, this book is ideal for students of architecture studying structures, materials, design-build, and professional practice.

Routledge
March 2020 : 250pp
Pb: 978-1-138-89105-0 : **£48.99**
Hb: 978-1-138-89104-3 : **£155**
eBook: 978-1-315-70988-8

* For full contents and more information, visit: www.routledge.com/9781138891050

The Architecture Portfolio Guidebook

The Essentials You Need to Succeed



Vincent Hui Ryerson University, Toronto, Ontario, Canada

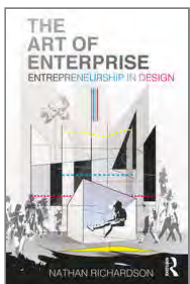
The Architecture Portfolio Guidebook shows you how to make portfolios for both academic and professional needs to provide reviewers exactly what they're looking for. In school, architecture curricula nurtures the knowledge and skills to develop design work to varying levels of presentation. In the profession, those skills are further developed and applied in the creation of the built environment. In both contexts, a portfolio is a core component for admission and advancement.

Routledge
December 2019 : 278pp
Pb: 978-0-415-78704-8 : **£41.99**
Hb: 978-0-415-78703-1 : **£140**
eBook: 978-1-315-22643-9

* For full contents and more information, visit: www.routledge.com/9780415787048

The Art of Enterprise

Entrepreneurship in Design



Nathan Richardson

The Art of Enterprise: Entrepreneurship in Design explores the form and nature of entrepreneurship in a range of creative disciplines. It explores the complex ecology of activities that enable design, entrepreneurship, and alternative methods of practice within a creative practice, and for the benefit and engagement of society. With open-ended set of activities, charts, worksheets, and discussion questions, The Art of Enterprise fosters entrepreneurial thinking in formative projects and practices for students, academics and professionals.

Routledge
January 2022 : 298pp
Pb: 978-0-367-46721-0 : **£39.99**
Hb: 978-0-367-46831-6 : **£155**
eBook: 978-1-003-03140-6

* For full contents and more information, visit: www.routledge.com/9780367467210

The Changing Shape of Architecture

Further Cases of Integrating Research and Design in Practice



Edited by **Michael U. Hensel** Oslo School of Architecture and Design, Norway, **Fredrik Nilsson** Chalmers University of Technology, Sweden

This new volume 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. As well as addressing 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 also focuses on two new elements: the comparative analysis of modes and modalities of conducting research in practice, and cross-practice discussions of specific aspects and themes that impact upon, shape and co-evolve research and practice.

Routledge
April 2019 : 206pp
Pb: 978-1-138-24028-5 : **£48.99**
Hb: 978-1-138-24025-4 : **£155**
eBook: 978-1-315-28409-5

* For full contents and more information, visit: www.routledge.com/9781138240285

The Changing Shape of Practice

Integrating Research and Design in Architecture



Edited by **Michael U. Hensel** Oslo School of Architecture and Design, Norway, **Fredrik Nilsson** Chalmers University of Technology, Sweden

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 in the UK, USA, Europe and Asia. Organized according to the size of the practices, it addresses the different structures and resourcing requirements that are enabled by specific practice sizes, determining and constraining the type, scope and modes of research available to a given practice.

Routledge
June 2016 : 218pp
Pb: 978-0-415-70345-1 : **£58.99**
Hb: 978-0-415-70344-4 : **£190**
eBook: 978-1-315-71571-1

* For full contents and more information, visit: www.routledge.com/9780415703451

The Designer's Field Guide to Collaboration



Caryn Brause University of Massachusetts Amherst, USA

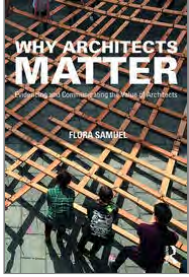
This book provides a toolkit for working on collaborative projects to show you how great teamwork functions in professional practice and in the design studio. Beautifully illustrated with color images, the book draws on allied fields from architecture, landscape architecture, engineering and construction management. Case studies include In.Site:Architecture, Studio Gang, Perkins+Will, Gensler, Tod Williams Billie Tsien Architects, CDR Studio, Mahlum Architects and Thornton Tomasetti's Core Studio. The book also features exercises on how to brainstorm productively, evaluate ideas, provide valuable feedback and communicate effectively.

Routledge
January 2017 : 314pp
Pb: 978-1-138-80364-0 : **£50.99**
Hb: 978-1-138-80363-3 : **£200**
eBook: 978-1-315-75358-4

* For full contents and more information, visit: www.routledge.com/9781138803640

Why Architects Matter

Evidencing and Communicating the Value of Architects



Flora Samuel Professor of Architecture, University of Reading, UK

Why Architects Matter examines the key role of research-led, ethical architects in promoting wellbeing, sustainability and innovation. It argues that the profession needs to be clear about what it knows and the value of what it knows if it is to work successfully with others. Without this clarity, the marginalization of architects from the production of the built environment will continue, preventing clients, businesses and society from getting the buildings that they need.

Routledge

March 2018 : 268pp

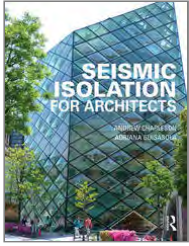
Pb: 978-1-138-78393-5 : **£44.99**

Hb: 978-1-138-78392-8 : **£155**

eBook: 978-1-315-76837-3

* For full contents and more information, visit: www.routledge.com/9781138783935

Seismic Isolation for Architects



Andrew Charleson Victoria University of Wellington, New Zealand, **Adriana Guisasola** Associate Professor, Mendoza University, Argentina

Based on the latest research and the authors' extensive experience, the book covers the application, effectiveness, benefits, and limitations of seismic isolation, as well as the architectural form, design aspects, retrofitting, economics, construction, and maintenance related to this method. Written for an international audience, it reviews codes and practices from several countries and draws on examples from territories including the US, Chile, Argentina, Italy, Japan, and New Zealand. A non-technical, equation-free approach for architecture students and professionals with no prior knowledge of structural engineering. Over 200 drawings, diagrams and images support the text.

Routledge

July 2016 : 204pp

Pb: 978-1-138-81321-2 : **£65.99**

Hb: 978-1-138-81320-5 : **£190**

eBook: 978-1-315-74831-3

* For full contents and more information, visit: www.routledge.com/9781138813212

Ethnography for Designers



Galen Cranz UC Berkeley, USA

This book teaches architects and designers how to listen actively to the knowledge people have about their own culture. It gives structure to values and qualities. It does this by noting the terms and underlying structure of thought people use to describe aspects of their culture. By responding to the underlying cognitive pattern, the architect can both respond to the user and interpret creatively. Thus, ethno-semantic methods allow designers to fulfill their professional responsibility to users and, at the same time, to feel fulfilled creatively. It is a practical guide for those teaching social factors and social research methods to designers or for those using these methods in practice.

Routledge

February 2016 : 286pp

Pb: 978-1-138-12109-6 : **£41.99**

Hb: 978-1-138-12108-9 : **£200**

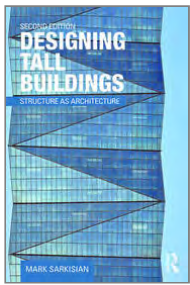
eBook: 978-1-315-65126-2

* For full contents and more information, visit: www.routledge.com/9781138121096

2ND EDITION

Designing Tall Buildings

Structure as Architecture



Mark Sarkisian Skidmore Owings & Merrill, San Francisco, USA

This second edition of *Designing Tall Buildings*, an accessible reference to guide you through the fundamental principles of designing high-rises, features two new chapters, additional sections, 400 images, project examples, and updated US and international codes. Each chapter focuses on a theme central to tall-building design, giving a comprehensive overview of the related architecture and structural engineering concepts. Author Mark Sarkisian, provides clear definitions of technical terms and introduces important equations, gradually developing your knowledge. Projects drawn from SOM's vast portfolio of built high-rises, many of which Sarkisian engineered, demonstrate these concepts.

Routledge
January 2016: 300pp
Pb: 978-1-138-88671-1 : **£54.99**
Hb: 978-1-138-88670-4 : **£200**
eBook: 978-1-315-71463-9

* For full contents and more information, visit: www.routledge.com/9781138886711

Sustainable Retrofits

Post War Residential Towers in Britain



Asterios Agkathidis University of Liverpool, UK, **Rosa Urbano Gutiérrez** University of Liverpool, UK

The authors present inspections of 20 sustainably retrofitted social housing towers, analysing their aesthetic and technical modifications, as well as the shifts occurring in their social structure. The authors use over 200 full colour plans, elevations, photographs, maps and illustrations to beautifully support the statistical and analytical information collected. Finally they include interviews with some of the architects who designed the retrofits, residents and key stakeholders to inform the conclusions.

Routledge
June 2018: 296pp
Pb: 978-1-138-68989-3 : **£52.99**
Hb: 978-1-138-68988-6 : **£155**
eBook: 978-1-315-53734-4

* For full contents and more information, visit: www.routledge.com/9781138689893

Tall: the design and construction of high-rise architecture



Edited by **Guy Marriage** Victoria University of Wellington, New Zealand

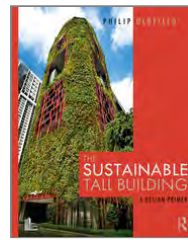
This is a guide to both the basics and the details of tall building design, delving into the rudimentary aspects of design that an architect of a tall building must consider, as well as looking at the rationale for why a building must be built the way it is. Liberally illustrated with clear, simple black and white illustrations showing how the building structure and details can be built, this book greatly assists the reader in their understanding of the building process for a modern office tower. By focusing on the nuts and bolts of real-life design and construction, it provides a practical guide and desk-reference to any architect embarking on a tall building project.

Routledge
September 2019: 366pp
Pb: 978-1-138-35076-2 : **£38.99**
Hb: 978-1-138-35074-8 : **£155**
eBook: 978-0-429-43572-0

* For full contents and more information, visit: www.routledge.com/9781138350762

The Sustainable Tall Building

A Design Primer



Philip Oldfield UNSW, Australia

Aimed at those architects new to the typology, the book balances practical issues with the vision and cutting edge thinking that is developing in the field. Innovation is provided by not only considering environmental and energy performance, but the broader context of sustainability including urban integration, cultural identity, social sustainability and sustainable materials. This resource informs and inspires the reader in respect to the fundamental considerations necessary when creating sustainable tall buildings.

Routledge
April 2019: 306pp
Pb: 978-1-138-90594-8 : **£44.99**
Hb: 978-1-138-90586-3 : **£155**
eBook: 978-1-315-69568-6

* For full contents and more information, visit: www.routledge.com/9781138905948

2ND EDITION

Sustainable Design for the Built Environment



Rob Fleming , Saglinda H Roberts , Chitsanzo Isaac

This groundbreaking and transformative textbook introduces sustainable design in a clear, concise, easy-to-read format. This new edition includes fully updated exercises and online resources, an increased focus on diversity, equity and inclusion in design, more international examples, perspectives and approaches, enhanced full colour visuals, and additional resources for further study. Supported by additional resources including additional reading for each chapter and classroom assignments, this book will be essential reading for students of sustainability and sustainable design.

Routledge

November 2024 : 316pp

Pb: 978-1-032-51082-8 : **£40.99**

Hb: 978-1-032-51084-2 : **£145**

eBook: 978-1-003-40102-5

* For full contents and more information, visit: www.routledge.com/9781032510828

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