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Interactive Resource Center currently offered in Architecture, Interior Design and Graphic Design disciplines
the essential texts and drawings of Francis D.K. Ching for those new to architecture and design. With his typical highly graphic approach, this is the first introductory text from Ching that surveys the design of spaces, buildings, and cities. In an easy-to-understand format, readers will explore the histories and theories of architecture, design elements and process, and the technical aspects of the contemporary profession of architecture.

The book explains the experience and practice of architecture and allied disciplines for future professionals, while those who love the beauty of architectural drawing will delight in the more than 1,000 gorgeous illustrations included.

For those pursuing a career in architecture or anyone who loves architectural design and drawing, Introduction to Architecture presents a beautifully illustrated and comprehensive guide to the subject.

**TABLE OF CONTENTS**

Introduction to Architecture includes coverage of: • History of world architecture • Design drawing • Architectural graphics • Elements and theory of architecture • Architectural structures • Materials and methods of architecture • Building systems and codes • Residential architecture • Urban design

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*What Style Is It?: A Guide to American Architecture, Revised Edition*

John C. Poppeliers, S. Allen Chambers, Jr.  
978-0-471-25036-4 • September 2003

*What Style Is It?* is the definitive, concise guide to American architecture. Designed for easy identification of buildings on the road or at home, this accessible volume covers the important characteristics of twenty-five distinct styles. It's revised to include added sections on the Neoclassical, Romanesque Revival, and Rustic Styles.

**TABLE OF CONTENTS**


Cris B. Mills  
978-0-470-49885-9 • January 2011

*Designing with Models, Third Edition* is the revised, step-by-step guide to basic and advanced design process modeling. This comprehensive text explains the process from start to finish, and has been expanded to include up-to-date information on digital modeling programs and rapid prototyping processes.

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INTRODUCTORY ARCHITECTURE

Becoming an Architect, Third Edition
Lee W. Waldrep
978-1-118-61213-2 • May 2014

“Becoming an Architect will inspire future architects, career consultants, and human resource professionals alike, providing all the information you'll need to make intelligent decisions about careers in architecture.” —From the Foreword by Helene Combs Dreiling, FAIA, 2014 AIA National President

Starting a career as an architect is an exciting prospect, but it’s important to do your research before you take the plunge. The third edition of Becoming an Architect is an update to the best-selling guide and highlights the risks and rewards on the path to a career as an architect. You’ll find new insight and tons of helpful resources, as well as a complete outline of the trajectory of an architect’s early career, from higher education through internship and licensure. More than thirty-two new interviews and profiles from architecture students, emerging, and established professionals give the resource a truly personal feel, and help get you acquainted with real-life scenarios from architects from varying backgrounds and specialties.

With a highly accessible approach, this guide provides a complete overview of the profession, including educational requirements, design specialties, registration requirements, and the paths of a career in architecture. Whether you’re a high school student, a college undergraduate, a career counselor, or a human resource professional, Becoming an Architect offers much-needed advice and information to anyone interested in career development for architects.

TABLE OF CONTENTS
Part I: The Definition of an Architect. Part II: The Education of an Architect

Compositions in Architecture
Don Hanlon
978-0-470-05364-5 • March 2009

By exploring the underlying patterns of organization in architecture, this book enables the reader to connect architectural theory with the design process. It reveals the formal structures in architecture throughout the world and through the ages and inspires architects to turn abstract ideas into real-world design.

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Architectural Graphics, Fifth Edition
Francis D.K. Ching
978-0-470-39911-8 • October 2009

Architectural Graphics has been a best-selling classic since 1975—introducing countless students of architecture and design to the fundamentals of graphic communication. Updated to reflect the latest drawing techniques, the Fifth Edition of Francis D.K. Ching’s beloved book illustrates how to use graphic tools and drafting conventions to translate architectural ideas into effective visual presentations.

Inside, readers learn Ching’s renowned methods through coverage of multiview drawings, paraline drawings, and perspective drawings; techniques for drawing section views of building interiors; strategies for rendering tonal value, enhancing pictorial depth, and conveying the illumination of spatial environments; approaches for developing the layout of architectural presentations; freehand sketching and diagramming; and much more.

TABLE OF CONTENTS

Wendy R. McClure, Tom J. Bartuska
978-0-470-00752-5 • March 2007

Drawing from the expertise of prominent academics in their respective fields, this collaborative work takes a sweeping view of the ways we build things, beginning at the scale of products and interiors, to that of regions and global systems. It answers compelling questions on how we effect and are affected by our environment.

TABLE OF CONTENTS
Architecture: Form, Space, and Order, Fourth Edition
Francis D.K. Ching
978-1-118-74508-3 • 2015

Architecture: Form, Space, and Order, Fourth Edition is the classic introduction to the basic vocabulary of architectural design, updated with new information on emerging trends and recent developments. The new fourth edition features contemporary examples of precedent-setting architecture, and an expanded CD that brings the book’s architectural concepts to life through interactive three-dimensional models and meticulous hand renderings. This bestselling visual reference helps both students and professionals understand the vocabulary of architectural design by examining how space and form are ordered in the environment.

Taking a critical look at the evolution of spaces, Architecture distills complex concepts of design into a clear focus that inspires, bringing difficult abstractions to life. The book is illustrated throughout to demonstrate the concepts presented, and show the relationships between fundamental elements of architecture through the ages and across cultures.

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Supplemental Resources:
- Interactive Animations highlighting key concepts
- Photo Gallery of architectural precedents illustrated in the book
- Flashcards by chapter for focused learning

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Drawing is the way architects and designers communicate with colleagues, clients and others. The ability to quickly generate sketches and presentation drawings is critical to any successful architect/designer. This book addresses this crucial skill by offering an integrated approach to traditional and digital.

**TABLE OF CONTENTS**


**Douglas Cooper**

978-0-470-04716-3 • January 2007

**Drawing and Perceiving** discusses the knowledge, rational thought, and analysis that should be part of each step in the drawing process. This combination of technique along with theory and analysis makes this book the intelligent guide to drawing.

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**Drawing: A Creative Process**

**Francis D.K. Ching**

978-0-471-28968-5 • September 1989

Emphasizing the use of freehand drawing, this book presents a series of examples, exercises, and techniques that show how to quickly transfer images both seen and unseen into clear representational forms on paper—fully demonstrating the intriguing interplay of seeing, visualization, and expression through drawing.

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**Color Drawing: Design Drawing Skills and Techniques for Architects, Landscape Architects, and Interior Designers, Third Edition**

**Michael E. Doyle**

978-0-471-74190-9 • November 2006

A revision of this bestselling drawing book continues the tradition of offering a complete body of illustrated instruction that demonstrates the development of design ideas. This new edition presents new and more efficient ways of creating color drawings by integrating both hand drawings and computer techniques.

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**Basic Perspective Drawing: A Visual Approach, Sixth Edition**

**John Montague**

978-1-118-13414-6 • March 2013

Basic Perspective Drawing introduces students in formal design courses, as well as self-learners, to the basic principles and techniques of perspective drawing. Featuring clear and accessible illustrations that construct perspective views one step at a time, this new, streamlined edition reflects the most current drawing styles and examples, while supplementary tutorial videos—grouped by architectural disciplines, interior design, and studio art/illustration—provide live-action demonstrations of key topics discussed in the book. This is a must-have for students and instructors in art and design, architecture, and interior design programs.

**TABLE OF CONTENTS**

Architectural Drawing: A Visual Compendium of Types and Methods, Fourth Edition
Rendow Yee
978-1-118-01287-1 • August 2012
Architectural Drawing is the classic, comprehensive compendium of architectural drawing. Featuring examples from many high-profile architects and firms, the nearly one-thousand drawings and photos in this book illustrate all of the various types and methods of architectural drawing.

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Freehand Drawing & Discovery: Urban Sketching and Concept Drawing for Designers
James Richards
978-1-118-23210-1 • February 2013
Freehand drawing is an essential skill for all designers, from urban planners and landscape architects to interior designers and architects.

This book uses an array of cross-disciplinary examples as well as step-by-step guidance using a “both/and” approach to help students develop drawing skills.

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Design Drawing, Second Edition
Francis D.K. Ching, Steven P. Juroszek
978-0-470-53369-7 • November 2010
Francis D.K. Ching shares his unique command of the visual language in this revised edition that takes readers step-by-step through the entire drawing process.

In Design Drawing, Second Edition, the author unmasks the basic cognitive processes that drive visual perception and expression, incorporating observation, memory, and rendering into a creative whole, drawings, and offers how they can be applied to achieve stunning results.

Featuring over 1,500 beautifully hand-drawn illustrations that reinforce the concepts and lessons of each chapter, Design Drawing comes complete with an innovative CD-ROM that features twelve new modules, step-by-step video of the author demonstrating freehand techniques, 3D models, and more.

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Visual Notes for Architects and Designers, Second Edition
Norman Crowe, Paul Laseau
978-0-470-90853-2 • November 2011
This show-by-example sourcebook clearly illustrates proven methods and procedures for keeping a highly useful visual notebook. The coverage demonstrates how to make rapid, notational sketches that serve as visual records for future reference, as well as improve understanding and facilitate the development of ideas. It shows how to expand knowledge of a subject beyond what is gained through observation or verbal representation alone. This book is an indispensable resource for architects and designers using freehand notational sketching as a way of recording, experiencing, observing, learning, and further connecting with their creativity.

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Architecture of First Societies: A Global Perspective
Mark M. Jarzombek
978-1-118-14210-3 • August 2013

Starting with the dawn of human society through early civilizations to the pre-Columbian American tribes, Architecture of First Societies traces the different cultural formations that developed in various places throughout the world to form the built environment. Looking through the lenses of time and geography, the book brings the history of early architecture to life with full-color photographs, maps, and drawings. Based on the latest research in archaeology and anthropology, this landmark book also looks at how indigenous societies build today in order to help inform our understanding of the past.

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Francis D.K. Ching, Mark M. Jarzombek, Vikramaditya Prakash
978-0-470-40257-3 • November 2010

A Global History of Architecture transcends older models of architectural history by taking a fresh look at the world as a whole, and looking at what went on in different parts at specific time periods. The breadth of insight provided by this book distinguishes it as the most relevant book on the topic.

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A Companion to Asian Art and Architecture
Rebecca M. Brown, Deborah S. Hutton
978-1-4051-8537-0 • May 2011

This text presents a collection of twenty-six original essays that explore and critically examine various aspects of the field of Asian art and architectural history. Featuring contributions from both leading scholars and emerging voices, the essays cover the current state of scholarship in Asian art and its rich and myriad diversity.

TABLE OF CONTENTS
Edward Allen, Joseph Iano
978-0-470-64191-0 • December 2011

The Architect's Studio Companion is the only handbook the practicing architect needs. Packed with useful information, it is more than simply a reference. Edward Allen and Joseph Iano, authors of the bestselling Fundamentals of Building Construction, use their trademark talent for explaining highly technical concepts in an easy to understand manner.

TABLE OF CONTENTS

Language of Space and Form: Generative Terms for Architecture
James Eckler
978-0-470-61844-8 • January 2012

Finally: one resource that permits designers to use architectural terminology as a tool to generate ideas and inform their designs. The first book created to use words and their meanings to help readers both understand and start the design process, Language of Space and Form is an invaluable tool that goes beyond identification of elements to look at the possibilities of design. Made with the idea of permitting the reader to grow as they master the design process, this book is meant to be a reference throughout their education and professional career—from the beginning design studio to the studio practice.

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The Professional Practice of Architectural Working Drawings, Fourth Edition
Osamu A. Wakita, Nagy R. Bakhoum, Richard M. Linde
978-0-470-61815-8 • November 2011

The study and practice of architecture demand a working command of architectural drawing as a means of graphic communication. This book documents the step-by-step evolution of a complete set of working drawings—just the way it’s done in architectural offices across the country.

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Materiality and Interior Construction
Nancy Gesimondo, Jim Postell
978-0-470-44544-0 • May 2011

Materiality and Interior Construction is a comprehensive reference manual of building and decorative materials and finishes, and how they are put together in construction assemblies by introducing the properties, conditions, and attributes of a wide range of materials used by architects and interior designers.

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The book includes easy-to-use guidelines for creating construction specifications. The authors identify and explain all that students and professionals need to know about correct terminology, product selection procedures, and practical techniques for document production.

T A B L E   O F   C O N T E N T S


Charles George Ramsey, Harold Reeve Sleeper, Bruce Bassler
978-0-470-08546-2 • February 2008
This book represents the most significant revision of the title since the Ninth Edition. Based on Architectural Graphic Standards, Eleventh Edition, this student edition is completely revised and reorganized to be more relevant to today’s architectural students.

T A B L E   O F   C O N T E N T S


Material Precedent: The Typology of Modern Tectonics
Gail Peter Borden
978-0-470-47729-8 • February 2010
This analytical catalog of architectural precedent is the first to focus on materiality. By diagramming significant architectural projects through their material expression, Material Precedent guides the reader through material application in new designs. Using two colors throughout with crisp, clear line drawings, anyone interested in 20th-century architecture will be captivated by the graphic presentation.

T A B L E   O F   C O N T E N T S

This new edition of the standard on architectural detailing is now greatly expanded with new instructional sections covering analysis and modification of existing details and design of new details, both basic and advanced. This book tells the reader how to design details that are easy to construct, and look good.

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**Universal Design: Designing Inclusive Environments**

Edward Steinfeld, Jordana Maisel

978-0-470-39913-2 • March 2012

The new standard text on the topic, *Universal Design* introduces architects, designers of interiors, products, landscapes, and communities the principles and practice of designing for all people. Serving as both a survey of the field and reference for researchers, this book is sure to be constantly at the fingertips of all types of designers.

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**The Measure of Man and Woman: Human Factors in Design, Revised Edition**

Alvin R. Tilley, Henry Dreyfuss Associates

978-0-471-09955-0

December 2001

This book is an updated and expanded version of the landmark human factors book first published in 1959. *The Measure of Man and Woman* brings together the most essential information available to assist designers in creating products and environments to better accommodate human needs.

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Applying the ADA: Designing for the 2010 Americans with Disabilities Act Standards for Accessible Design in Multiple Building Types
Marcela A. Rhoads
978-1-118-02786-8 • April 2013

By showing how the 2010 Americans with Disabilities Act Standards for Accessible Design have been applied in various contexts and building types, this extensively illustrated guide helps readers quickly understand the requirements of the standards and how to apply them to both new construction and renovation. Written by an architect who consults regularly on accessibility issues for design professionals, building owners, and facility managers, this user-friendly guide features 100 photos and 150 drawings that take the guesswork out of applying the standards to real-world projects.

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Now in its Sixth Edition, this bestselling reference focuses on the basic materials and methods used in building construction. Emphasizing common construction systems such as light wood frame, masonry bearing wall, steel frame, and reinforced concrete construction, the new edition includes new information on building materials properties; the latest on “pre-engineered” building components and sustainability issues; and reflects the latest building codes and standards. The book also features an expanded series of case studies along with more axonometric detail drawings and revised photographs for a thoroughly illustrated approach.

**Ordering Options**

**Fundamentals of Building Construction with Interactive Resource Center Access Card: Materials and Methods, 6th Edition**
978-1-118-13891-5

**Exercises in Building Construction, Sixth Edition**
978-1-118-65328-9

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978-1-118-41919-9

**Exercises in Building Construction, Sixth Edition**
Edward Allen, Joseph Iano
978-1-118-65328-9 • October 2013

This essential companion to *Fundamentals of Building Construction, Sixth Edition* lets students explore the types of everyday issues faced by professional architects. It offers students a hands-on way to apply material learn in the core book with forty-six real-world construction problems, clear instructions for each exercise, informative illustrations, and ample space to work out answers. Complete with online resources for students and instructors, *Exercises in Building Construction, Sixth Edition* provides expert developmental guidance from the industry’s leading author team.

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RSMeans Illustrated Construction Dictionary, Student Edition
Means Engineering Staff
978-1-118-13352-1 • November 2012

Construction is one of the largest industries in the U.S. and like any industry, the field has its own terminology, abbreviations, and acronyms that are used both out in the field and in the management office. This can be overwhelming even for the professional builder, but for the student it is a tremendous challenge. Construction and design students need a handy reference that will guide them through the concepts and procedures of the construction process.

A Student Edition of the standard reference for the built environment, this dictionary uses non-technical language to clearly define a wide range of construction concepts and terms. Readers will have at their fingertips nearly 10,000 terms, phrases, and abbreviations from every area of construction, as well as more than 1,000 drawings and photographs to help illustrate concepts. An extensive reference section with plan symbols and conversions and equivalents rounds off this essential guide for readers at every skill level in construction, architecture, and design.

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Preface, Acknowledgments, Terms and Definitions, Appendix
**Construction Project Safety**
John Schaufelberger, Ken-Yu Lin
978-1-118-23192-0 • December 2013

This introduction to construction safety for management personnel uses a project-based approach to present hazards in construction and their mitigation or prevention. After introducing Accident Prevention Programs and OSHA compliance requirements, *Construction Project Safety* integrates safety instruction into the building process by following a building project from site construction through interior finish. Photographs, drawings, contract documentation, and an online 3D BIM model reinforce this applied approach and help readers visualize onsite scenarios.

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**Project Scheduling and Management for Construction, 4th Edition**
David R. Pierce, Jr.
978-1-118-36780-3 • September 2013

First published in 1988 by RS Means, the new edition of this book has been substantially revised for students enrolled in construction management and civil engineering programs. While retaining its emphasis on developing practical, professional-level scheduling skills, the new edition is a relatable, real-world case study that can be used over the course of a semester. The book also includes classroom elements like exercises, quizzes, skill-building exercises, and an instructor’s manual that includes two additional new cases.

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**Solar Energy: A Design Guide for Building Professionals**
Andy Walker
978-1-118-13924-0 • September 2013

*Solar Energy* is an authoritative reference on the design of solar energy systems in building projects, including applications, operating principles, and simple tools for construction, engineering, and design professionals. It simplifies the solar design and engineering process, providing sample documentation and special tools that offer needed information on the design of solar energy systems for building, enabling mainstream MEP and design firms—rather than solar energy specialists—to meet the growing demand for solar energy systems in building projects.

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**Project Control: Integrating Cost and Schedule in Construction**
Wayne J. DelPico
978-1-118-13923-3 • September 2013

The key to successful project management lies in the fusing of cost to schedule whereby the management of one helps the management of the other. A project’s cost and duration must have a direct relationship with baselines for tracking the project and keeping both cost and schedule on target. This book explores the reasons behind the methodologies for proper planning, monitoring, and controlling cost and schedule, filling a void in the current literature on project control in contemporary construction.

**TABLE OF CONTENTS:**
Construction Project Scheduling and Control, Third Edition
Salah A. Mubarak
978-1-118-84600-1 • 2015

Written by a career construction professional, this text about scheduling and project control addresses the average student, detailing all the steps clearly and without shortcuts. Solved and unsolved exercises cover all subjects and computer software programs for construction are included for each chapter.

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Construction Project Management, Sixth Edition
S. Keoki Sears, University of New Mexico, Glenn A. Sears, The University of New Mexico, Richard H. Clough, Jerard L. Rounds
978-1-118-74505-2 • 2015

For more than thirty years, Construction Project Management has been considered the preeminent guide to all aspects of the construction project management process, including the Critical Path Method (CPM) of project scheduling, and much more. Now in its Sixth Edition, it continues to provide a solid foundation of the principles and fundamentals of project management, with a particular emphasis on project planning, demonstrated through an example project, along with new pedagogical elements such as end-of-chapter problems and questions and a full suite of instructor’s resources.

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Richard H. Clough, The University of New Mexico, Glenn A. Sears, University of New Mexico, S. Keoki Sears, Robert O. Segner
978-1-118-69321-6 • 2014

Construction Contracting remains a bestseller in the construction industry nearly fifty years after its first publication. The first revision in nine years, the Eighth Edition reflects the huge changes in construction professional practice. This text presents the hard-to-find information essential to successfully managing a construction business, and applies to building, heavy civil, high-tech, and industrial construction endeavors alike.

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Temporary Structure Design
Christopher Souder
978-1-118-90558-6 • 2015

Temporary Structure Design is the first design-oriented guide to the design of temporary construction structures. The target course for this book is a senior level, undergraduate course at any university or a specialty graduate course for a reader who should be familiar with statics and strengths of materials, though it includes an early chapter on statistics for review.

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Mechanical and Electrical Equipment for Buildings, 12th Edition
Walter T. Grondzik, Florida A&M University, Alison G. Kwok, University of Oregon
978-1-118-61590-4 • September 2015

Mechanical and Electrical Equipment for Buildings, Twelfth Edition is the industry standard reference that comprehensively covers all aspects of building systems. With over 2,200 drawings and photographs, the book discusses basic theory, preliminary building design guidelines, and detailed design procedure for buildings of all sizes. The updated Twelfth Edition includes over 300 new illustrations, plus information on the latest design trends, codes, and technologies, while the companion website offers new interactive features including animations, additional case studies, quizzes, and more.

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Fundamentals of Residential Construction, Third Edition
Edward Allen, Rob Thallon
978-0-470-54083-1 • March 2011

Fundamentals of Residential Construction, Third Edition takes an in-depth look at the procedures and materials that are specific to home building. It features the most up-to-date explanations of today’s residential construction systems. From foundation to roof and exterior finishes to interior details, this new edition thoroughly addresses the latest developments in materials and methods of house construction.

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Sustainable Construction: Green Building Design and Delivery, Third Edition
Charles J. Kibert
978-0-470-90445-9 • November 2012

Using the 2012 version of U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) rating system and other tools, Charles Kibert explains the best practices in building procurement and delivery systems from materials selection to consideration of the use of natural systems for wastewater processing.

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Francis D.K. Ching, Barry S. Onouye, Douglas Zuberbuhler
978-1-118-45835-8 • November 2013

This new edition of Building Structures Illustrated takes a unique approach to structural design, showing how the structural systems of a building—such as an integrated assembly of elements with pattern, proportion, and scale—are related to the fundamental aspects of architectural design. The book features a one-stop guide to structural design in practice, a thorough treatment of structural design as part of the entire building process, and an overview of the historical development of architectural materials and structure. Featuring Ching’s signature line drawings, this is the ideal resource for students and professionals who want to make informed decisions on architectural design.

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www.wiley.com/college/sc/ching

Thomas C. Schleifer, Kenneth T. Sullivan, John M. Murdough
978-1-118-83694-1 • 2014

Take control of your construction contracting business and manage it through the natural highs and lows of the construction market. Learn from a team of construction business veterans led by Thomas C. Schleifer, who is commonly referred to as a construction business turnaround expert due to the number of construction companies he has rescued from financial distress. Discover how to maneuver through this complicated and risky industry by using the authors, research, and proven success strategies to sustain and grow your business.

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Alternative Construction: Contemporary Natural Building Methods
Lynne Elizabeth, Cassandra Adams
978-0-471-71938-0 • March 2005

This is the first book written for professionals that covers the whole range of systems. It provides a one-stop introduction to a wide range of emerging, alternative, or rediscovered indigenous building materials and technologies. It focuses primarily on residential design, but also includes low-rise commercial buildings.

TABLE OF CONTENTS
CONSTRUCTION, MATERIALS AND METHODS

H. Leslie Simmons
978-0-470-54740-3 • December 2011

Established as one of the leading books on the materials and methods of construction, Olin’s Construction, Ninth Edition covers sitework; concrete, steel, masonry, wood, and plastic materials; sound control; mechanical and electrical systems; doors and windows; finishes; industry standards; codes; and much more.

TABLE OF CONTENTS

Ross Spiegel, Dru Meadows
978-0-470-53804-3 • October 2010

This fully updated new edition is a reliable, up-to-date resource for professionals and students alike. Written by two nationally known experts on green building methods and materials, Green Building Materials, Third Edition offers in-depth, practical information on the product selection, product specification, and construction process.

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Building Structures, Third Edition
James Ambroose, Patrick Tripeny
978-0-470-54260-6 • September 2011

Building Structures, Third Edition is the reference of choice for architects studying contemporary issues and design practices for building structures. This highly readable reference takes a conceptual approach without complicated mathematics.

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Building Structures Illustrated: Patterns, Systems, and Design
Francis D.K. Ching, Barry S. Onouye, Douglas Zuberbuhler
978-1-118-45835-8 • December 2008

Taking a new approach to structural design, Francis D.K. Ching and his co-authors show how structural systems of a building—as an integrated assembly of elements with pattern, proportions, and scale—are related to the essential aspects of architectural design.

TABLE OF CONTENTS
Preface. 1 Building Structures. 2 Structural Patterns. 3 Horizontal Spans. 4 Vertical Dimensions. 5 Lateral Stability. 6 Long-Span Structures. 7 High-Rise Structures. 8 Systems Integration. Bibliography. Index.
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**Simplified Design of Wood Structures, Sixth Edition**

James Ambrose, Patrick Tripeny

978-0-470-18784-5 • February 2009

This classic reference has been reorganized and updated to reflect the latest practices in the design of structures. Since 1938, *Simplified Engineering for Architects and Builders* has endured as the reference of choice for designers and constructors who need to know the practical procedures for the design of commonly used structures for buildings.

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**Form and Forces: Designing Efficient, Expressive Structures**

Edward Allen, Waclaw Zalewski

978-0-470-17465-4 • September 2009

Here, in one volume, is all the architect needs to know to participate in the entire process of designing structures. Emphasizing bestselling author Edward Allen’s graphical approach, the reader can quickly determine the desired form of a building or other structure, and easily design it without the need for complex mathematics.

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**Simplified Design of Steel Structures, Eighth Edition**

James Ambrose, Patrick Tripeny

978-0-470-08631-5 • May 2007

This leading book in the Parker/Ambrose Simplified Design Series is the most effectively concise reference available on the design of steel structures. Updated to conform with current building codes, design practices, and industry standards, *Simplified Design of Steel Structures, Eighth Edition* uses the latest AISC Institute of Steel Construction (AISC) method of structural design.

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**Preface**

Rod Underwood, Michele Chiuni
978-0-471-78904-8 • June 2007

Interactive Structures: Visualizing Structural Behavior 2.0 DVD, Version 2.0
Shahin Vassigh
978-0-470-26269-6 • January 2008
Understanding structure is core to the education of the professional architect and engineer. Using three-dimensional computer generated models, animations, audio narration, and interactive quizzes, this unique product explains the fundamentals of structural behavior and analysis in an easy-to-understand manner. It utilizes a multi-media format that permits users to draw a direct relationship between structural analysis theory and its practical application within existing buildings. This approach is better suited to the skills, disposition, and learning needs of architecture, non-engineering and entry-level engineering students. New to this version are the addition of metric measurements and upgraded functionality of quizzes and exercises. Twenty-four building structures designed by renowned architects are also modeled to show the variety of structural types and behavior.

Simplified Design of Concrete Structures, Eighth Edition
James Ambrose, Patrick Tripeny
978-0-470-04414-8 • January 2007

Structure for Architects: A Primer
Ramsey Dabby, Ashwani Bedi
978-0-470-63376-2 • March 2012
Structure for Architects explains the fundamental structural concepts required for architects and architectural technologists using a highly illustrated approach and real-world examples. With an intuitive, easy-to-read and graphically-friendly format, this book is meant for the visual thinker and those that think conceptually.

Interactive Structures: Visualizing Structural Behavior 2.0 DVD, Version 2.0
Shahin Vassigh
978-0-470-26269-6 • January 2008
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Interactive Resource Center

An access card with redemption code for the online Interactive Resource Center is included with all new, print copies or can be purchased separately. If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. The online Interactive Resource Center contains resources tied to the book, such as:

- **Supplemental Resources:**
  - Interactive Animations highlighting key concepts
  - Self tests and Flashcards by chapter for focused studying
  - Supplemental Case Studies
  - Learning Guide to the Book (Chapter Summaries and Outlines, Key Terms, Web Resources, and more)

For more information about Mechanical and Electrical Equipment for Buildings, Twelfth Edition see page 21.

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comfort in a building, this book helps architects minimize mechanical systems and energy usage over the life of the building by siting, building design, and landscaping to maximize natural heating, cooling, and lighting. This new Fourth Edition includes new information on integrated design strategies and designing for the Tropics. Resources include helpful case studies, checklists, diagrams, and a companion website featuring additional cases, an image bank, and instructor materials.

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G. Z. Brown, Mark DeKay

978-0-470-94578-0 • March 2013

This updated edition covers principles of designing buildings that use the sun for heating, wind for cooling, and daylight for natural lighting. Using hundreds of illustration, it also includes a DVD to offer practical strategies that give the designer the tools they need to make energy efficient buildings.

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Vaughn Bradshaw

978-0-471-68965-2 • March 2006

To capitalize on today’s rapidly evolving, specialized technologies, architects, designers, builders, and contractors work together to plan the mechanical and electrical equipment that controls the indoor environment of a building. The Building Environment: Active and Passive Control Systems, Third Edition helps readers take advantage of design innovations and construction strategies that maximize the comfort, safety, and energy efficiency of buildings. From active HVAC systems to passive methods, lighting to on-site power generation, this updated edition explains how to strategically plan for and incorporate effective, efficient systems in today’s buildings. It covers the underlying thermal theories and thermodynamic principles and focuses on design that enhances the building environment and minimizes the impact on the world’s environment.

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Architectural Acoustics Illustrated

Michael A. Ermann

978-1-118-56849-1 • 2015

Architectural Acoustics Illustrated translates the quantitative and qualitative content of acoustics into the graphic language of architecture. This highly-visual guide includes over 350 illustrations that outline the physics of sound and the best design practices for limiting or mitigating noise in buildings by using the latest in materials and techniques. Each chapter includes a summary checklist of design guidelines to help prevent mistakes and oversights, and the Instructor’s website offers video animations demonstrating acoustical concepts. Designed as a “first look” at the interaction of sound and space, the book explains the principles of architectural acoustics and their practical applications, providing a comprehensive guide for designing with acoustics in mind. All design professionals need to have a fundamental understanding of acoustics, and Architectural Acoustics Illustrated is a comprehensive, practical guide in an easy-to-read format.

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# Environmental Controls

**Lighting Design Basics, Second Edition**

Mark Karlen, James R. Benya, Christina Spangler  
978-0-470-47427-3 • April 2012

Two leading designers, both with decades of experience, offer straightforward coverage of concepts and techniques and present realistic goals that can be used as guides to creating simple, typical lighting designs and when collaborating with professional designers on more complex projects.

## Table of Contents


**Environmental Issues for Architecture**

David Lee Smith  
978-0-470-49709-8 • February 2011

With topics ranging from lighting, acoustics, thermal control, plumbing, fire protection and egress, to elevators and escalators, all of the latest technologies are supported in this text by an introductory historical perspective that helps the designer understand how developments in these areas has had a major influence on architectural design.

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**Architectural Lighting Design, Third Edition**

Gary Steffy  
978-0-470-11249-6 • June 2008

There are no shortcuts to designing beautiful and effective architectural lighting. Lighting is both an art and a science that impacts occupants’ health and well-being, the Earth’s resources, a project’s cost, and user satisfaction in the built environment. Architectural Lighting Design, Third Edition provides an overview of lighting design and detailed explanation of a process for designing lighting. Qualitative and quantitative issues are outlined and design techniques and lighting hardware technologies are reviewed to balance the art and science of lighting design. It also includes over 200 black-and-white photos and an accompanying web site featuring additional information and color application photos.

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**Plumbing, Electricity, Acoustics: Sustainable Design Methods for Architecture**

Norbert M. Lechner  
978-1-118-01475-2 • November 2011

This companion to Lechner’s bestselling *Heating, Cooling, Lighting* makes the complex issues of these topics simpler, and together with that book provides complete coverage of all common building systems for architects. Numerous guidelines help the architect’s decision making.

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Edward Denison, Guang Yu Ren
978-1-118-44902-8 • March 2014

Luke Him Sau/Lu Qianshou (1904–1991) is best known internationally and in China as the architect of the iconic Bank of China Headquarters in Shanghai. One of the first Chinese students to be trained at the Architectural Association in London in the late 1920s, Luke’s long, prolific and highly successful career in China and Hong Kong offers unique insights into an extraordinary period of Chinese political turbulence that scuppered the professional prospects and historical recognition of so many of his colleagues.

The book charts Luke’s life and work while providing a highly engaging and visual account of China’s 20th-century architecture through the lens of one of the country’s most distinguished yet overlooked designers. It features over 250 new color photographs by Edward Denison of Luke’s buildings and original archive material.

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Forty Ways to Think About Architecture: Architectural History and Theory Today
Iain Borden, The Bartlett, UCL, Murray Fraser, Barbara Penner
978-1-118-82261-6 • March 2014

How do we think about architecture historically and theoretically? Forty Ways to Think About Architecture provides an introduction to some of the wide-ranging ways in which architectural history and theory are being approached today.

This collection takes in a total of 40 essays covering key subjects, ranging from memory and heritage to everyday life, building materials and city spaces. As well as critical theory, philosophy, literature, and experimental design, it refers to more immediate and topical issues in the built environment, such as globalisation, localism, regeneration, and ecologies. Concise and engaging entries reflect on architecture from a range of perspectives.

Contributors include eminent historians and theorists and distinguished architects, many of them former students of Adrian Forty.

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www.wiley.com/go/archcatalog
Precedents in Architecture provides students with a foundation for understanding architecture and creating their own designs through the examination of works by internationally known architects. A unique diagrammatic technique is used to analyze over 100 existing buildings and illustrate meaningful architectural concepts.

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The text surveys the intellectual history of architecture since 1968, including criticisms of high modernism, the rise of postmodern and poststructural theory, critical regionalism and tectonics, and the significant changes that architectural thinking has undergone in the past fifteen years.

**An Introduction to Architectural Theory: 1968 to the Present**

Harry Francis Mallgrave, David Goodman

978-1-4051-8062-7 • April 2011

The Architect’s Brain: Neuroscience, Creativity, and Architecture

Harry Francis Mallgrave

978-0-470-65825-3 • April 2011

Did classical and Renaissance theory in fact have a biological basis? Does the architect possess a highly specialized brain? Is neuroscience today providing architecture with a new foundation for design thought? These are a few of the compelling suggestions offered by this richly detailed study, which explores—from two perspectives—the issue of how architects and designers view the phenomenal world.

**The Embodied Image: Imagination and Imagery in Architecture**

Juhani Pallasmaa

978-0-470-71190-3 • May 2011

The Embodied Image is illustrated with a rich collection of paired images, which are diverse in subjects ranging from scientific images to historic artistic and architectural masterpieces, as well as contemporary architectural and artistic works.

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Grading with Design in Mind: Landscape Site Grading Principles
Bruce G. Sharky, Louisiana State University
978-1-118-66872-6 • 2015

Grading With Design in Mind: Landscape Site Grading Principles is a comprehensive guide to grading, written specifically from the design perspective. Heavily illustrated and non-technical, this book meets the needs of designers and visual learners by presenting the principles and methods of site grading with less emphasis on engineering, and a strong focus on the effect on the overall aesthetic. Written by a professor in America's number-one ranked undergraduate landscape architecture program, the book guides readers step-by-step through the process of solving various grading problems in real-life scenarios.

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Designing Rainwater Harvesting Systems: Integrating Rainwater into Building Systems
Celeste Allen Novak
978-1-118-41047-9 • March 2014

Water conservation is one of the most effective sustainable design practices, yet few professionals know how to collect and reuse rainwater effectively. Rainwater Harvesting is the first comprehensive guide to designing rainwater harvesting systems. It provides practical guidelines for developing a rainwater harvesting strategy, taking into account climate, public policies, environmental impact, and end uses. Case studies are included throughout, and a companion website houses worksheets, calculators, and other resources. Designing Rainwater Harvesting Systems is a valuable reference for architects, landscape architects, and site engineers.

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1 The Importance of Rainwater Harvesting. 2 System Planning and Policies. 3 Water for Thirsty Buildings. 4 System Elements. 5. Distribution. 6 21st-Century Interviews

Bradley Cantrell, Wes Michaels
978-1-118-69318-6 • October 2014

Digital Drawing for Landscape Architecture: Contemporary Techniques and Tools for Digital Representation in Site Design, Second Edition bridges the gap between traditional analog and new digital tools by applying timeless concepts of representation to enhance design work in digital media. The book explores specific techniques for creating landscape designs, including digitally rendered plans, perspectives, and diagrams, and the updated Second Edition offers expanded coverage of newer concepts and techniques. Readers will gain insight into the roles of different drawings, with a clear emphasis on presenting a solid understanding of how diagram, plan, section, elevation, and perspective work together to present a comprehensive design approach. With over 400 updated images, plus over 50 new examples of award-winning work, Digital Drawing for Landscape Architecture provides the guidance landscape designers need to create their most communicative renderings yet.

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used in site engineering, planning, and construction courses. The new edition features completely revised information on stormwater management and green infrastructure, as well as many new and updated case studies.

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Therapeutic Landscapes: An Evidence-Based Approach to Designing Healing Gardens and Restorative Outdoor Spaces
Clare Cooper Marcus, Naomi A. Sachs
978-1-118-23191-3 • October 2013
This comprehensive guide offers an evidence-based overview of healing gardens and therapeutic landscapes from planning to post-occupancy evaluation. It provides general guidelines for designers and other stakeholders for a variety of projects, as well as patient-specific guidelines covering twelve categories ranging from burn patients to hospice and Alzheimer’s patients. Sections on participatory design and funding offer valuable guidance for the entire team, not just for designers, while a planting and maintenance chapter offers critical information to help address safety, longevity, and budgetary considerations.

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Landscape Architectural Research: Inquiry, Strategy, Design
M. Elen Deming, Simon Swaffield
978-0-470-56417-2 • March 2011
The first and only book on this topic of growing importance in landscape architecture, Landscape Architectural Research keeps professionals and students in step with the latest developments in landscape architecture, and delivers a dynamic and flexible game plan for verifying the integrity of their work.

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Meg Calkins
978-0-470-64355-6 • October 2011
The Sustainable Sites Handbook offers in-depth coverage of design, construction, and management for systems of hydrology, vegetation, soils, materials, and human health and well being. Focusing primarily on environmental site design and ecosystem services, this wide-ranging guide also covers issues of social equity, economic feasibility, and stewardship, which are crucial to the success of any sustainable site.

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Modeling the Environment: Techniques and Tools for the 3D Illustration of Dynamic Landscapes
Bradley Cantrell, Natalie Yates
978-0-470-90294-3 • March 2012
This full-color book provides coverage of 3D visualization tools for land planning and landscape architecture. The methods and theories in Modeling the Environment present landscape representation around a core set of ideas—scene, object, terrain, environment/atmosphere, time/dynamics, and the composite—that centers representation on human experience.

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Walter Rogers
978-0-470-27836-9 • September 2010

Whether helping a landscape architecture student identify a career track, providing direction on starting a new office, guiding an owner seeking to jumpstart a stagnant or fledgling business, or assisting a landscape architect-in-training study for the national Landscape Architecture Registration Exam (LARE), this single-source blueprint is the key to prospering in this dynamic field.

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Foundations of Landscape Architecture: Integrating Form and Space Using the Language of Site Design

Norman Booth
978-0-470-63505-6 • October 2011

This illustrated book introduces the basic elements and principles of design and then explores the spatial language used to organize and shape landscape architectural design. Filled with stunning photos and illustrations, this book offers students, professionals, and life-long learners a complete introduction to the visual language that is the underpinning of landscape architectural design.

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Designing the Sustainable Site: Integrated Design Strategies for Small Scale Sites and Residential Landscapes

Heather Venhaus
978-0-470-90009-3 • March 2012

With attention to six global environmental challenges—including air pollution, urban flooding and water pollution, water shortages, invasive species, and loss of biodiversity—along with guidance on how to meet these challenges, Designing the Sustainable Site is a practical design manual for sustainable alternatives to small-scale site and residential landscape design.

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Sustainable Landscape Management: Design, Construction, and Maintenance
Thomas W. Cook, Ann Marie VanDerZanden
978-0-470-48093-9 • November 2010
A must-have guide for anyone working with landscapes, Sustainable Landscape Management eases the transition of the landscape industry into a new era of green consciousness. Readers will learn the key elements for building landscapes that integrate beauty and function to create a sustainable presence that extends well into the future.

Public Garden Management
Donald Rakow, Sharon Lee
978-0-470-53213-3 • January 2011
Public Garden Management is an all-in-one professional reference and textbook that clearly shows how to develop, establish, manage, and maintain a sustainable—both economically and environmentally—public garden. Students and professionals will benefit greatly from the management principles outlined in this book, helping them establish and maintain new and existing public gardens that engage, inspire, and connect with their communities.

Becoming a Landscape Architect: A Guide to Careers in Design
Kelleann Foster
978-0-470-33845-2 • September 2009
Becoming a Landscape Architect provides a comprehensive survey of landscape architecture, including complete coverage of residential design, ecological design, commercial design, and parks design. This visual guide has more than 250 illustrations and covers everything from education and training to finding a job.

Illustrated History of Landscape Design
Elizabeth Boults, Chip Sullivan
978-0-470-28933-4 • January 2010
Illustrated History of Landscape Design takes an optical sweep of the iconic landscapes constructed throughout the ages. Organized by century and geographic region, this highly visual reference uses hundreds of masterful pen-and-ink drawings to show how historical context and cultural connections can illuminate today's design possibilities.

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**LANDSCAPE ARCHITECTURE**

**Materials and Their Applications in Landscape Design**
Rob W. Sovinski
978-0-470-11293-9 • January 2009

This single-source reference offers an encyclopedic and systematic approach to the broad palette of materials commonly used in landscape construction. Connecting the technical aspects of landscape architecture with design aspects, the book’s encyclopedic approach takes the reader systematically through the broad palette of available materials.

**Sustainable Site Design: Criteria, Process, and Case Studies for Integrating Site and Region in Landscape Design**
Claudia Dinep, Kristin Schwab
978-0-470-18783-8 • November 2009

From project inception through implementation, *Sustainable Site Design* sets forth a comprehensive approach to context-informed sustainable landscape design. This approach emphasizes the need to understand each site’s unique potential for sustainability, especially in relation to the ecological, social, economic, and cultural conditions of its regional setting.

Daniel Tal
978-0-470-34525-2 • August 2009

With helpful tutorials and useful tips for both beginners and advanced SketchUp users, *Google SketchUp for Site Design* will quickly have you creating models that are highly detailed and organized, easy to work with, and optimized for computer performance.

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Preface. Acknowledgments. PART I: Practice of Landscape Architecture.
PART II: Standards and Guidelines. PART III: Process, Implementation and
Design and Site Planning. References. Source Acknowledgments. Index.

Meg Calkins
978-0-470-13455-9 • September 2008
Materials for Sustainable Sites guides architects, engineers, contractors, and landscape architects in making the right choices to minimize their projects’ environmental and human health impacts—whether the right answer is a new, green material or a conventional, tried-and-true material used in green ways.

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Landscapes in History: Design and Planning in the Eastern and Western Traditions, Second Edition
Philip Pregill, Nancy Volkman
978-0-471-29328-6 • January 1999
This revised edition of Landscapes in History features for the first time new information—rarely available elsewhere in the literature—on landscape architecture in India, China, Southeast Asia, and Japan. It also expands the discussion of the modern period, including current North American planning and design practices.

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A Guide to Site Planning and Landscape Construction, Fourth Edition
Harvey M. Rubenstein
978-0-471-12932-5 • March 1996
A Guide to Site Planning and Landscape Construction is lavishly illustrated with hundreds of photos, site plans, and line drawings, as well as an abundance of figures, tables, charts, and sample problems. New material in the Fourth Edition includes resource analysis with wetlands and steep slope districts, the latest accessibility guidelines, updated coverage of bikeway design, and more.

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Landscape Architectural Graphic Standards, Student Edition
Leonard J. Hopper
978-0-470-06797-0 • September 2007

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Designed to give students the critical information they require, this is an essential reference for anyone studying landscape architecture and design.

www.wiley.com/go/archcatalog 37
One of the most difficult tasks for a designer is to translate concepts into specific and detailed organizations of space. From Concept to Form in Landscape Design, Second Edition provides vital, functional techniques that make the transformation easier and more effective. Replete with compelling, valuable, and accessible insights for designing outdoor spaces, this book is an ideal blend of inspiration and application.

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Weathering and Durability in Landscape Architecture explores a variety of landscape design approaches and site strategies practiced in the industry today, with a focused examination of the link between the conception and implementation of landscape ideas and a range of seen and unforeseen forces that will shape the built landscape over time.

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This book offers a comprehensive introduction to urban design from a historical overview and basic principles to practical design concepts and strategies. It discusses the demographic, environmental, economic, and social issues that influence the decision-making and implementation processes of urban design. This new edition has been fully revised to include thorough coverage of sustainability issues and to integrate new case studies into the core concepts discussed. Ancillary materials, including PowerPoint slides, samples questions and projects, and bonus case studies, help to enrich understanding of the topic.

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The first comprehensive survey that examines in detail architectural conservation practice on a wide comparative basis, Architectural Conservation in Europe and the Americas serves as a convenient resource for professionals, students, and anyone interested in the field.

Sustainable Preservation: Greening Existing Buildings
Jean Carroon
978-0-470-16911-7 • October 2010
Written by Jean Carroon, an architect who is a noted expert on the subject, this is the first comprehensive book on “sustainable” or “green” historic preservation for architects and preservation professionals. The book contains case studies of key projects of a variety of types of buildings and provides key principles that architects and preservation professionals can put into practice.

The Story of Post-Modernism: Five Decades of the Ironic, Iconic and Critical in Architecture
Charles Jencks
978-0-470-68896-0 • October 2011
In The Story of Post-Modernism, Charles Jencks, an authority on the subject, provides a lively and accessible account of Post-Modern architecture from its roots in the early 60s to the present day. In an evolutionary diagram, Jencks charts the variety of streams that now make up the river delta and discusses the main characters from James Stirling to Frank Gehry and Herzog and de Meuron.

Sustainable and Resilient Communities: A Comprehensive Action Plan for Towns, Cities, and Regions
Stephen J. Coyle
978-0-470-53647-6 • February 2011
This is a step-by-step guidebook for urban planners and urban designers to implement a “green action plan” for cities small and large as well as private development. The guidebook delineates both sequential and parallel sets of instructions for the creation of comprehensive action plans that encompass all the major elements of sustainability.
For both the preservation professional and urban planner, this book shows how preservation is a key to the creation of livable cities. It offers tools and case studies that preservationists and planners can learn from in implementing preservation projects or plans in cities large and small.
In order to design and develop new housing concepts for urban areas, it is essential to understand and learn from existing examples. It is particularly key to realize the relationship that the individual housing unit has with its immediate surroundings. The Urban Housing Handbook is a vital design and analysis tool for housing practitioners and students that outlines the characteristics of some of the most interesting and prominent housing typologies. The handbook provides graphic representations and analysis of 30 case studies from around the world. These range from the London town house to apartments in Chicago and New York, taking in other European, South American, Moroccan, and Asian examples. In each chapter, a housing type is fully explored through a traditional case study and then a more modern example that demonstrates how it has been reinterpreted in a contemporary context.

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**The Urban Towers Handbook**

The core of the book is made up of 30 in-depth case studies of iconic towers from around the world, which are organized according to type. These range from historic examples, such as the Eiffel Tower in Paris, the Chrysler Building in New York, and the medieval tower houses of San Gimignano in Tuscany to highly contemporary examples such as the Burj Al Arab in Dubai and the Roggongi Hills in Tokyo.

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With a new update introduction, this is a comprehensive guidebook for architects, planners, urban designers, and developers that illustrates how existing suburbs can be redesigned and redeveloped. The authors, both architects and noted experts on the subject, show how development in existing suburbs can absorb new growth and evolve in relation to changed demographic, technological, and economic conditions.

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Urban Design Since 1945: A Global Perspective

David Grahame Shane

978-0-470-51526-6 • June 2011

This book provides a comprehensive historical overview of urban design since 1945. It is a key text for students studying urban design and architecture, providing not only insights into developments over the last sixty years but also a strong sense of the global view and where we are heading, emphasising the proliferation of makeshift urban growth.

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Sustainable Urbanism: Urban Design with Nature

Douglas Farr

978-0-471-77751-9 • October 2007

A book that provides clear direction to urban designers, urban planners, and architects to design cities and developments that are sustainable and reduce environmental harms, Sustainable Urbanism includes background on sustainability, standards for sustainable urbanism, and case studies of exemplars of sustainable urban design.

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Planning and Urban Design Standards, Student Edition

American Planning Association, Frederick R. Steiner, Kent Butler

978-0-471-76090-0 • September 2006

This Student Edition offers the same authoritative, reliable information as the main volume in a student-friendly format. Leaving coverage of theory and history of planning and urban design to other textbooks, this book focuses on the physical and graphical aspects of planning and urban design—environmental planning, transportation planning, GIS, and mapping—with a particular eye towards smart growth.

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Introducing the CSI Practice Guides

The CSI Practice Guides are a new library of comprehensive references specifically and carefully designed with students in mind. These essential references examine important concepts and best practices integral to a particular aspect of the construction process. Each book includes access to a password-protected website with bonus content, including a PDF of the book and copies of CSI formal documents such as MasterFormat, Uniformat, and SectionFormat/PageFormat.

The CSI Construction Product Representation Practice Guide
Construction Specifications Institute
978-1-118-027189 • April 2013

The CSI Construction Product Representation Practice Guide is the must-have reference on construction product representation—and the essential study aid for the Certified Construction Product Representative (CCPR) Exam.

This book offers comprehensive, authoritative coverage of best practices for effective construction product representation. Readers will find complete guidance on how to prepare and use documents, how to choose the appropriate products for a given project, and what role to play in the construction process and in an Integrated Product Delivery (IPD) workflow. A must-have resource for anyone studying for the Certified Construction Product Representative (CCPR) Exam, the book also features a companion website with a PDF file of the book as well as CSI format documents, such as Uniformat and SectionFormat/PageFormat.

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The CSI Sustainable Design and Construction Practice Guide
Construction Specifications Institute
978-1-118-07855-6 • 2014

The CSI Sustainable Design and Construction Practice Guide is a compilation of information and recommended best practices for those who participate in the design and construction of commercial-level sustainable facilities. The book offers guidelines and standards for applying sustainable design and construction principles in practical terms. This Practice Guide:

• Includes overviews of sustainable design standards and rating systems and of green products and systems and how to evaluate them
• Reviews the lifecycle of a building
• Outlines the roles and responsibilities of members of the design and construction team

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The CSI Construction Contract Administration Practice Guide

Construction Specifications Institute
978-0-470-63518-6 • January 2011

The CSI Construction Contract Administration Practice Guide is the must-have reference on construction contract administration—and the essential study aid for the Certified Construction Contract Administrator (CCCA) Exam. The CSI Construction Contract Administration Practice Guide provides best practices for construction contract administration, enabling the fair representation of the interests of all parties to construction agreements in the successful completion of a project. Advice on effective communications, the terms and contents of standard agreements, project forms and their use for communications and documentation, and compliance with codes and regulations are among the subjects addressed by the Contract Administration Practice Guide. The companion web site contains a PDF of the full text of the book, CSI Glossary Documents, Format Documents, and CCA Forms.

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The CSI Project Delivery Practice Guide

Construction Specifications Institute
978-0-470-63519-3 • January 2011

The CSI Project Delivery Practice Guide is the must-have reference on standards and best practices for the delivery of a construction project.

The CSI Project Delivery Practice Guide is the core guide to the series and provides an introduction to concepts spelled out in more detail in the more specialized guides as well as more general information about the roles of professionals involved in the delivery of a construction project. If you can own only one practice guide, this is the one to get. The companion website contains a PDF of the full text of the book, CSI Glossary Documents, Format Documents, and CCA Forms.

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The CSI Construction Specifications Practice Guide

Construction Specifications Institute
978-0-470-63520-9 • January 2011

The CSI Construction Specifications Practice Guide is the must-have specifications writing reference—and essential study aid for the Certified Construction Specifier (CCS) Exam.

The Specifications Practice Guide is focused on the roles and responsibilities of the specifications professional in meeting the challenges of the changing world of construction. In this volume, guidelines on topics like writing quality construction specifications and product selection are meshed with best practices for managing project information, working with Building Information Modeling (BIM) and Integrated Project Delivery, and writing sustainable design specifications. The companion web-site contains a PDF of the full text of the book, CSI Glossary Documents, Format Documents, and CCA Forms.

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COMMUNICATING THE NEW:
Methods to Shape and Accelerate Innovation
Kim Erwin
978-1-118-39417-5 • August 2013

This book describes and demonstrates methods for communication in the design thinking/innovation process throughout all stages of the process, not just the end. It introduces core concepts and methods that help manage complexity, accelerate synthesis, bring clarity, and transmit important knowledge to the people who need to act on it. It gives everyone who is involved in design thinking a practical toolkit for using communication at every step of the innovation process to tame and frame the inherent complexity of creating “the new.”

ARCHITECTURAL RESEARCH METHODS, Second Edition
David Wang, Linda N. Groat
978-0-470-90855-6 • April 2013

The leading text on architectural research, Architectural Research Methods, Second Edition is completely revised throughout to include current trends and innovations in research, and discusses interdisciplinary involvement with design/build, sustainability and policy, urban design, product design, and product systems. This practical guide for architects and designers employs real-life examples of how good research can be used, from project inception to completion. New coverage of design studio-based research shows how the strategies described can be employed while new discussion of the use of digital media help frame the scope of research.

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T H E N E W
Working Toward Sustainability: Ethical Decision-Making in a Technological World
Charles J. Kibert, Martha C. Monroe, Anna L. Peterson, Richard R. Plate, Leslie Paul Thiele
978-0-470-53972-9 • October 2011

Because sustainability ultimately rests on ethics, this groundbreaking book is a crucial link in extending sustainability from a mere intellectual exercise to a much wider incorporation into virtually every sector and field of endeavor. Working Toward Sustainability develops a comprehensive ethical foundation for sustainability by bringing together nine ethical principles together in a cohesive manner.

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Problem Seeking: An Architectural Programming Primer, Fifth Edition
William M. Peña, Steven A. Parshall
978-1-118-08414-4 • February 2012

This leading essential guide to architectural programming gives the design practitioner a clear procedure when programming a building of any scale. This book is updated to incorporate new information related to BIM, integrated practice, and sustainable design, as well as new information on how designers can incorporate the latest technological tools when programming.

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This book offers a wealth of practical knowledge about the operation of an architectural practice. Its topics include project management, firm organization, legal issues, marketing, risk management, professional liability insurance, and much more. The breadth of case studies from nationally-renowned contributors in the field adds depth and richness to the text.

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Green Building Illustrated
Francis D.K. Ching, Ian Shapiro
978-1-118-56237-6 • January 2014
Sustainable design gets the Ching treatment in Green Building Illustrated. Ching brings his signature style to the theory and practices of green building, from exterior to interior, providing a framework and detailed strategies for designing sustainably green buildings. The book begins by explaining why we need to build green, the theory behind it, current green ratings systems, and new directions in the industry. It follows with comprehensive discussion of community and site selection; passive design; moving towards net zero through outer envelope and inner envelope design; water conservation; ventilation and indoor air quality; active heating and cooling; minimum-impact materials; operations, maintenance, and quality control; affordability and life-cycle analysis; and the importance of nature and beauty in green design.

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www.wiley.com/college/sc/ching

Meg Calkins
978-0-470-64355-6 • October 2011
The Sustainable Sites Handbook offers in-depth coverage of design, construction, and management for systems of hydrology, vegetation, soils, materials, and human health and wellbeing. Focusing primarily on environmental site design and ecosystem services, this wide-ranging guide also covers issues of social equity, economic feasibility, and stewardship, which are crucial to the success of any sustainable site.

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www.wiley.com/go/archcatalog
Sustainable and Resilient Communities: A Comprehensive Action Plan for Towns, Cities, and Regions
Stephen J. Coyle
978-0-470-53647-6 • February 2011

This is a step-by-step guidebook for urban planners and urban designers to implement a “green action plan” for cities small and large as well as private development. The guidebook delineates both sequential and parallel sets of instructions for the creation of comprehensive action plans that encompass all the major elements of sustainability.

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Sustainable Landscape Management: Design, Construction, and Maintenance
Thomas W. Cook, Ann Marie VanDerZanden
978-0-470-48093-9 • November 2010

A must-have guide for anyone working with landscapes, Sustainable Landscape Management eases the transition of the landscape industry into a new era of green consciousness. Readers will learn the key elements for building landscapes that integrate beauty and function to create a sustainable presence that extends well into the future.

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Meg Calkins
978-0-470-13455-9 • September 2008

Materials for Sustainable Sites guides architects, engineers, contractors, and landscape architects in making the right choices to minimize their projects’ environmental and human health impacts—whether the right answer is a new, green material or a conventional, tried-and-true material used in green ways.

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Guide to the LEED Green Associate V4 Exam
Michelle Cottrell, Miami, FL and New York, NY
978-1-118-87031-0 • September 2014
CS / ET / WCS

Prepare for the LEED Green Associate v4 exam with an expert who has been there—and passed! The Guide to the LEED Green Associate V4 Exam is a comprehensive study guide for the LEED Green Associate v4 exam. Written by a LEED expert and consultant who actually passed the exam, this guide provides a first-hand account of preparation strategies that work. The book is designed to work with how people study, organized for quick navigation with sample questions and flashcards throughout. The companion website offers additional study aids, including more sample test questions and flashcards, plus video tutorials that introduce concepts and strategies within each chapter. The book covers all topics and principles included on the exam, and provides all the information necessary to pass.

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Guide to the LEED AP Interior Design and Construction (ID+C) Exam
Michelle Cottrell
978-1-118-01749-4 • February 2012
CS / ET / WCS

This is the ideal study guide for understanding and preparing for the LEED® AP ID+C exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—the guide engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process for those seeking participation in the responsible design and construction of existing buildings that implement green practices.

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Guide to the LEED AP Homes Exam
Michelle Cottrell
978-1-118-08720-6 • September 2012
CS / ET / WCS

This is the ideal study guide for understanding and preparing for the LEED® AP Homes exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—the guide engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process for those seeking participation in the responsible design and construction of sustainable residential projects that implement green practices.

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Guide to the LEED AP Operations and Maintenance (O+M) Exam
Michelle Cottrell
978-0-470-60830-2 • September 2011
CS / ET / WCS

This is the perfect guide to understanding and preparing for the LEED AP O+M exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—the guide engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process. Covering the detailed concepts of the LEED for Existing Buildings: Operations + Maintenance green building rating system, this book is an all-inclusive resource for achieving successful results on the exam.

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Guide to the LEED AP Building Design and Construction (BD+C) Exam
Michelle Cottrell
978-0-470-89042-4 • January 2011

Ideal for architects, engineers, and contractors seeking the LEED Building Design + Construction credential, this book is a clearly organized study guide that includes sample quizzes at the end of each section. Authored by an expert who teaches seminars on LEED BD&C to professionals, this LEED exam preparation guide stands out from the competition in its engaging and stimulating approach. Materials include drawings, charts, and diagrams to help the reader visually understand the concepts.

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Linda Reeder
978-0-470-40194-1 • March 2010

A comparative guide to understanding the complex similarities and differences in the green building rating systems for new construction of most buildings, including homes, this book will help owners, builders, construction managers, and design teams select the appropriate rating system for their project.

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Sustainable Site Design: Criteria, Process, and Case Studies for Integrating Site and Region in Landscape Design
Claudia Dinep, Kristin Schwab
978-0-470-18783-8 • November 2009

From project inception through implementation, Sustainable Site Design sets forth a comprehensive approach to context-informed sustainable landscape design. This approach emphasizes the need to understand each site’s unique potential for sustainability, especially in relation to the ecological, social, economic, and cultural conditions of its regional setting.

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This revision of the bestselling Fundamentals of Turfgrass Management provides an introduction to the principles of turfgrass management by covering everything from basic turfgrass science to fertilization, mowing, career paths, and more. This edition has been significantly updated to include the most current information on pesticides, weeds, turfgrass diseases, and insects to aid professionals in understanding how to implement, maintain, and manage fields effectively.


Designed for both students and practitioners in the green industry, this book offers full coverage of the science to fertilization, mowing, career paths, and more. This edition has been significantly updated to include the most current information on pesticides, weeds, turfgrass diseases, and insects to aid professionals in understanding how to implement, maintain, and manage fields effectively.


This book covers every type of mathematical problem that faces golf course superintendents. From how to handle budgeting estimates to determining how much fertilizer should be applied, this book shows how to work through the calculations and offers practice material and answers. Loaded with helpful hints and easy-to-understand examples, this one-of-a-kind reference covers mathematical problems that golf course superintendents face every day.


This revision of the bestselling Fundamentals of Turfgrass Management provides an introduction to the principles of turfgrass management by covering everything from basic turfgrass science to fertilization, mowing, career paths, and more. This edition has been significantly updated to include the most current information on pesticides, weeds, turfgrass diseases, and insects to aid professionals in understanding how to implement, maintain, and manage fields effectively.
Provocative and inspirational, Architectural Design (AD) is a bimonthly, high-quality magazine reporting from the cutting edge of the architecture community.

AD exists so that students can stay informed of the architectural trends of tomorrow. Fully illustrated in color, AD provides one of the most penetrating, insightful, and in-depth views of architecture today.

For further information on AD, subscriptions, purchasing single issues, and to sign up for our newsletters, visit: architectural-design-magazine.com

Drawing: The Motive Force of Architecture, AD Primer, 2nd Edition
Sir Peter Cook
978-1-118-70064-8 • January 2014

Focusing on the creative and inventive significance of drawing for architecture, this book by one of its greatest proponents, Peter Cook, is an established classic. The book features some of the greatest and most intriguing drawings by architects, ranging from Frank Lloyd Wright, Le Corbusier, and Otto Wagner to Frank Gehry, Zaha Hadid, Coop Himmelblau, Arata Isozaki, Eric Owen Moss, Bernard Tschumi, and Lebbeus Woods; as well as key works by Cook and other members of the original Archigram group.

For this new edition, Cook provides a substantial new chapter that charts the speed at which the trajectory of drawing is moving. It reflects the increasing sophistication of available software and also the ways in which ‘hand drawing’ and the ‘digital’ are being eclipsed by new hybrids—injecting a new momentum to drawing.

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BIM Design: Realising the Creative Potential of Building Information Modelling
Richard Garber, New Jersey Institute of Technology
978-1-118-71980-0 • July 2014

Throughout the book, projects are used to effectively illustrate the creative application of BIM at a variety of scales. These buildings showcase work by firms executing projects all over the world including: SHoP Architects and Construction (New York), Morphosis (Los Angeles), Populus (London), GRO Architects (New York), Reiser + Umemoto (New York), Gensler (Shanghai) and UN Studio (Amsterdam).

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At the end of the 20th century, Dubai attracted international media attention as the world sought to make sense of the city’s extraordinary growth. Exuberant projects such as the Burj Arab, the Burj Khalifa, and the Palm Islands attracted investment in dreams to transform the region. While the global financial crisis kept dreams from becoming reality, this issue of AD seeks to present a view of architecture and urbanism in the United Arab Emirates (UAE) and other states in the wider Gulf Cooperation Council (GCC) at a time when greater economic stability promises new beginnings.

By presenting the architecture of UAE and the Gulf within the context of broader regional developments and global trends, it highlights how projects in the UAE, Qatar, Kuwait, and Saudi Arabia have contributed to unprecedented urban growth, while emphasising the continuing environmental challenges of building in the region.

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**The City as a Tangled Bank: Urban Design vs Urban Evolution, AD Primer**
Sir Terry Farrell, Architect
978-1-118-48734-1 • 2014

Here Sir Terry Farrell, who has built an international career as an architect-planner, encourages other planners and architects to follow the biologists—look at, learn from, and, indeed, admire the nature of the forces that drive the change, and then with humility and respect work with them to nudge, anticipate and prepare for where it takes us. Searching for patterns within the apparent turbulence and complexity, he analyses the notions of urban design and urban evolution and examines whether or not they need necessarily be seen as opposing one another.

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**Context: Architecture and the Genius of Place**
Eric E. Parry
978-1-119-95271-8 • March 2015

The contemporary definition of context in architectural theory and practice has been a focus for debate since the 1980s. **Context** looks beyond this aspect to the fundamentals that give a new social and cultural perspective to this very important point of departure for designers. The six chapters evolve from the fundamentals of the ground beneath our feet—Pavements and Threshold; to the importance of orientation—Horizon; the sequential understanding of urban space—Kinetics; the dialogue of parts within a whole—Simultaneity; Landscape and The City—Artifice; and the uses of the formal and informal—Memory.

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1. Pavements and Threshold. 2. To the importance of orientation—Horizon. 3. The sequential understanding of urban space—Kinetics. 4. The dialogue of parts within a whole—Simultaneity. 5. Landscape and The City—Artifice. 6. The uses of the formal and informal—Memory.
Space Architecture: The New Frontier for Design Research
Neil Leach, University of Bath
978-1-118-66330-1 • December 2014

Forty years on from the first moon landing, architecture in Space is entering a new era. Architects are now involved in designing the interiors of long-term habitable structures in Space, such as the International Space Station, researching advanced robotic fabrication technologies for building structures on the Moon and Mars, envisioning new ‘space yachts’ for the super-rich, and building new facilities, such as the Virgin Galactic ‘Spaceport America’ in New Mexico designed by Foster + Partners. This issue of AD features the most significant current projects underway and highlights key areas of research in Space, such as energy, materials, manufacture and robotics.

The Architecture of Transgression
Rachel Sara, Jonathan Mosley
978-1-118-36179-5 • January 2014

Transgression suggests operating beyond accepted norms and radically reinterpreting practice by pushing at the boundaries of both what architecture is, and what it could or even should be. This issue of AD engages the way transgression opens up new possibilities for practice. It highlights the positive impact that working on the architectural periphery can make on the mainstream, as transgressive practices have the potential to reinvent and reposition the architectural profession.

Made by Robots: Challenging Architecture at a Larger Scale
Fabio Gramazio, Matthias Kohler
978-1-118-53548-6 • May 2014

In the next decade or so, the widespread adoption of robotics is set to transform the construction industry: building techniques will become increasingly automated both on- and off-site, dispensing with manual labour and enabling greater cost and operational efficiencies. What unique opportunities, however, does robotics afford beyond operational effectiveness explicitly for the practice of architecture? What is the potential for the serial production of non-standard elements as well as for varied construction processes? This issue of AD showcases the findings of the Architecture and Digital Fabrication research module at the ETH Zurich Future Cities Laboratory in Singapore, directed by Fabio Gramazio and Matthias Kohler, which explores the possibilities of robotic construction processes for architecture and their large-scale application to the design and construction of high-rise buildings.

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- SPOTLIGHT: Visual highlights of the issue.
- INTRODUCTION. Authoring Robotic Processes.
- Integrating Robotic Fabrication in the Design Process.
- Mesh-Mould: Robotically Fabricated Spatial Meshes as Reinforced Concrete Formwork.
- Odico Formwork Robotics.
- RoboFold and Robots. IO. Machineous.
- GREYSHED. Computation or Revolution.
- In-Situ Fabrication: Mobile Robotic Units on Construction Sites.
- Towards Robotic Swarm Printing.
- Machines for Rent: Experiments by New-Territories.
- CONTRIBUTORS.
Designing for the Third Age: Architecture Redefined for a Generation of “Active Agers” AD
Lorraine Farrelly
978-1-118-45272-1 • April 2014

As people sixty-five and older constitute an ever increasingly proportion of population in most industrialized nations, the design of housing and other built provisions needs to be rethought in order to accommodate this ever-expanding ageing population. How can far-reaching architectural solutions play a key part by creating sustainable cities for the changing profile of the population, reducing models of dependency for care and transport while creating opportunities for recreation, leisure, and work? This issue reflects on the population challenges facing Europe, Australia, North America, and Asia, offering innovative responses to these problems on a practical and speculative level.

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High Definition: Zero Tolerance in Design and Production AD
Bob Sheil, Bartlett School of Architecture, UK
978-1-118-45185-4 • March 2014

A pioneering title, High Definition explores the onslaught of new and highly accurate digital metrology tools in large- and small-scale 3-D scanning and 3-D modelling.

High Definition examines the capabilities of advanced technologies in design production through their impact on design theory, practice and, greater levels of collaboration between design and manufacturing.

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System City: Infrastructure and the Spaces of Flows AD
Michael Weinstock
978-1-118-36142-9 • July 2013

Offering a radically new perspective on cities, this book regards them not simply as spatially extended material artifacts, but as complex systems that are analogous to living organism, exhibiting many of the same characteristics. The view of cities that emerges is one in which the design of the many new cities should be founded on intelligent and inhabited infrastructural systems or “flow architectures” of urban metabolisms. This book explores the design of these future cities with a contributor list of renowned architects.

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In recent years, questions of space have gained renewed momentum in architecture and urban design as adaptation, densification and sustainable regeneration have become an increasing priority. This issue of AD explores how, over the last decade, a new generation of design research has emerged that has started to implement and validate previous investigations into spatial computation, aiming to understand how to design spatial configurations based on user experiences.

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INTERACTIONS IN THE FIELD. Embracing the Creativity of Stigmergy in Social Insects (Guy Theraulaz). Block/Tower: A Vertical Landscape in Midtown Manhattan (Stan Allen and Rafi Segal). Programs as Paradigms (Pablo Miranda Carranza).


Drawing Architecture AD
Neil Spiller
978-1-118-41879-6 • September 2013

Drawing Architecture AD presents an international survey of the most exquisite architectural drawings of the last few years. It features both relatively unknown practitioners as well as well-known designers. Contributors include Pascal Bronner, Bryan Cantley, Nic Clear, Peter Cook, Mark Garcia, Nancy Wolf, and Mas Yendo, among others. The book discusses drawing in relation to such core topics as its relationship to film and animation, historical context, narrative, ornament, structure and technique, and hand drawing's continued role in design.

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The Eyes of the Skin: Architecture and the Senses, Third Edition
Juhani Pallasmaa
978-1-119-94128-6 • May 2012

For every student studying Pallasmaa’s classic text for the first time, The Eyes of the Skin is a revelation. It compellingly provides a totally fresh insight into architectural culture. This Third Edition meets readers’ desire for a further understanding of the context of Pallasmaa’s thinking by providing a new essay by architectural author and educator Peter MacKeith.

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The Diagrams of Architecture: AD Reader
Mark Garcia
978-0-470-51945-5 • February 2010

Spanning the pre-historic to the parametric, The Diagrams of Architecture illustrates over 250 diagrams and brings together twenty-six previously published and newly commissioned essays from leading international academics, architects, theorists and professional experts.

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Urban Design Ecologies: AD Reader
Brian McGrath, Columbia University, USA
978-0-470-974056 • January 2013

The discipline of urban design is undergoing a rapid expansion and realignment. It is experiencing a shift from a profession dominated by architects and planners directed at urban development to a more expansive set of practices engaging new forms of social and environmental ecologies as cities worldwide adapt to economic restructuring, mass migrations, and climate change. Bringing together classic and new texts from the last 40 years, this AD Reader focuses attention on the critical tools needed to understand how cities have been designed and constructed and then changed over time. This book brings together key articles that point the way forward for reconciling the often conflicting concerns of urbanism and environmentalism.

Twenty-three texts are organised into four distinct sections, covering metropolitan architecture, the sprawling megalopolis, the megacity and the recently emerging metacity.

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Drawing and Reinventing Landscape, AD Primer
Diana Balmori
978-1-119-96702-6 • 2014

Representation is a hot topic in landscape architecture. While computerization has been a catalyst for change across many fields in design, no other design field has experienced such drastic reinvention as has landscape architecture. As the world urbanizes rapidly and our relationship with nature changes, it is vitally important that landscape designers adopt innovative forms of representation—whether digital, analog, or hybrid.

In this book, author Diana Balmori explores notions of representation in the discipline at large and across time. She takes readers from landscape design’s roots in seventeenth-century France and eighteenth-century England through to modern attempts at representation made by contemporary landscape artists.

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Experimental Green Strategies: Redefining Ecological Design Research—Architectural Design
Terri Peters
978-0-470-68979-0 • December 2011

This text offers insights into how a wide range of established and emerging practices are rising to meet the challenge of designing sustainable buildings for a global market. In pursuit of integrated sustainability and low-energy building, material and formal innovation, and new tools and technologies, it illustrates that the future of architecture is evolving in an exchange of ideas across disciplines. Incorporating the creation of new knowledge about ecological building within the profession, it also identifies the emergence of a collective will to seek out new routes that build in harmony with the environment.

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AutoCAD 2015 and AutoCAD LT 2015 Essentials
Scott Onstott
978-1-118-87124-9 • April 2014

AutoCAD 2015 Essentials contains 400 pages of full-color, comprehensive instruction on the world’s top drafting and architecture software. This 2015 edition features architectural, manufacturing, and landscape architecture examples. And like previous editions, the detailed guide introduces core concepts using interactive tutorials and open-ended projects, that can be completed in any order, thanks to downloadable data sets (an especially useful feature for students studying for Autodesk AutoCAD certification).

Table of Contents

AutoCAD 2015 and AutoCAD LT 2015: No Experience Required
Donnie Gladfelter
978-1-118-86229-2 • June 2014

This Autodesk Official Press book provides students with concise explanations, focused examples, and step-by-step instructions through a hands-on tutorial project that runs throughout the book. As students progress through the project, the book introduces them to the Microsoft Windows-based AutoCAD interface and then guides them through basic commands and creating drawings. A downloadable file is available from the website so that students can compare their work to the author’s, and if necessary, start fresh with an intact drawing.

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Mastering AutoCAD 2015 and AutoCAD LT 2015
George Omura, Brian C. Benton
978-1-118-86208-7 • May 2014

This Autodesk Official Press book employs concise explanations, focused examples, step-by-step instructions, and hands-on projects to help students master both AutoCAD and AutoCAD LT. This detailed guide works as both a tutorial and stand-alone reference, and is the perfect resource regardless of a student’s level of expertise.

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Presented in the context of real-world workflows, and using real-world projects, each chapter contains a discussion of the "why" and "how" that is reinforced with a step-by-step tutorial so students will gain practical and applicable experience with the core features of Revit Architecture. The new pedagogical approach emphasizes learning skills to help students prepare for the Revit certification exams.

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**Autodesk Revit Architecture 2015 Essentials**
Ryan Duell, Tobias Hathorn, Tessa Reist Hathorn
978-1-118-87095-2 • June 2014

This detailed introduction to Revit Architecture features straightforward explanations and real-world, hands-on tutorials to teach students the software's core features and functions.

**Autodesk Revit Architecture 2015: No Experience Required**
Eric Wing
978-1-118-86215-5 • June 2014

This Autodesk Official Press book shows students how to build a four-story office building one step at a time, providing them with real-world practice they might expect to encounter on the job. Concise explanations, focused examples, step-by-step instructions, and an engaging hands-on tutorial make this book the perfect way to learn Revit Architecture. In addition, students can download starting files for each chapter from the website in order to compare their work to the author's, or start fresh with any chapter in the book.

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**Mastering Autodesk Revit Architecture 2015**
Eddy Krygiel, James Vandezande
978-1-118-86285-8 • June 2014

Responding to instructor feedback, the expert author team has updated and refreshed the book's content to make it even more useful, complete, and approachable. Mastering Revit Architecture is organized by real-world workflows and features detailed explanations, interesting real-world examples, and practical tutorials to help students understand Revit and BIM concepts so that they can quickly start accomplishing vital Revit tasks.

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The *BIM Handbook* presents the technology and processes behind BIM to aid architects, engineers, contractors, and sub-contractors, construction, and facility owners (AECO). It combines in-depth technical background, discusses the business processes of each of the major professional groups in AECO, and offers guidelines for assessment, adoption, and use. It includes real-world case studies identifying both the benefits and successes of BIM, and study questions for professionals, educators, and students to engage in discussions about the many issues with respect to implementing and transitioning to BIM.

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**BIM Content Development: Standards, Strategies, and Best Practices**

Robert S. Weygant

978-0-470-58357-9 • April 2011

Providing the means and methods for effective content creation, *BIM Content Development* offers sound guidance for graphic standards and data management solutions to maximize the ability of professionals to operate on any BIM software platform—and shows how to strengthen the decision-making process to unleash powerful tools for modeling a building’s informational profile.

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**BIM in Small-Scale Sustainable Design**

Francois Levy

978-0-470-59089-8 • November 2011

Though they are rarely addressed in the same book, building information modeling (BIM) and sustainable design have a lot in common. Complete with coverage of integrated design and other NAAB APR requirements, *BIM in Small-Scale Sustainable Design* is a must-have resource for architects, engineers, students, and construction professionals involved in sustainable design projects.

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**Building Information Modeling: BIM in Current and Future Practice**

Karen Kensek, Douglas Noble

978-1-118-76650-9 • June 2014

With its emphasis on continuing advances in BIM research, teaching, and practice, *Building Information Modeling: BIM in Current and Future Practice* encourages readers to transform disruption to opportunity and challenges them to reconsider their preconceptions about BIM. Karen Kensek has gathered over 29 international thought-leaders and brought them together to discuss how BIM would look in the future. This book captures the thinking of professors from well-known universities such as Stanford University, Yale, Texas A&M, and professionals from Autodesk, Gehry Technologies, and NBBJ on how BIM is used now and how it can be used in future practice.

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PART 1: Design Thinking and BIM. PART 2: BIM Analytics. PART 3: Comprehensive BIM. PART 4: Reasoning with BIM. PART 5 Professional BIM. PART 6: BIM Speculation.
**Sketchup**

**Architectural Design with SketchUp: Component-Based Modeling, Plugins, Rendering, and Scripting**

Alexander C. Schreyer  
978-1-118-12309-6 • December 2012

SketchUp is the tool of choice for architects, interior designers, and construction professionals. Though the basics are simple to understand, getting the most out of it requires deeper instruction and guidance. *Architectural Design with SketchUp* uses easy-to-understand tutorials to describe both common and advanced process, illustrated throughout with full-color renderings.

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**3D Printing**

**Fabricated: The New World of 3D Printing**

Hod Lipson, Melba Kurman  
978-1-118-35063-8 • February 2013

*Fabricated* tells the story of 3D printers and the emerging world of printable products. Guided by an electronic design file, 3D printers lay down layers of raw material to “print” out a physical object. With today's mind-boggling digital technologies and the Internet, 3D printing promises an explosion of technological innovation. Based on hundreds of hours of research and dozens of interviews with experts from a broad range of industries, *Fabricated* offers students an informative, engaging, and fast-paced introduction to 3D printing now and in the future.

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About IFMA

International Facility Management Association

IFMA is the world’s largest and most widely recognized international association for professional facility managers, supporting more than 22,655 members in 78 countries. Formed in 1980, IFMA certifies facility managers, conducts research, provides educational programs, recognizes facility management certificate programs, and produces World Workplace, the world’s largest facility management conference and exposition.

Technology for Facility Managers: The Impact of Cutting-Edge Technology on Facility Management

Eric Teicholz, Editor

978-1-118-38283-7 • October 2012

Appropriate as a textbook for IFMA Accredited Degree Programs or as a resource for professionals studying for certification through IFMA, this book presents the cutting-edge technology that facility managers will encounter during their careers.

BIM for Facility Managers

Paul Teicholz, Editor

978-1-118-38281-3 • March 2013

An indispensable resource for facility managers, building owners, and developers alike, this book uses six real-life projects to explain how BIM can be linked to facility management systems to achieve significant life-cycle advantages.
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