


An update to the 1st edition, the 2nd edition of the Enterprise Architecture Sourcebook Volume 1 has been completely revised and updated. It addresses twelve of the most popular commercial, government, and defense-related architecture frameworks and the two standard architecture development approaches: product-centric and data-centric. It provides a comprehensive overview of the current state of architecture practice.

Architectural Drafting and Design-Allen F. Blackwell 2013-04-18

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Modeling Enterprise Architecture with TOGAF-Philippe Desfray 2014-04-04

Modeling Enterprise Architecture with TOGAF explains everything you need to know to effectively model enterprise architecture with The Open Group Architecture Framework (TOGAF), the leading EA standard. This solution-focused reference presents key techniques and illustrative examples to help you model enterprise architecture. This book describes the TOGAF standard and its structure, from the architecture transformation methodology to governance, and presents enterprise architecture modeling practices with plenty of examples of TOGAF deliverables in the context of a case study. Although widespread and growing quickly, enterprise architecture is delicate to manage across all its dimensions. Focusing on the architecture transformation methods, TOGAF provides a wide framework, which covers the repository, governance, and modeling practices. The examples featured in this book were realized using the open source Modelio tool, which includes extensions for TOGAF. Includes intuitive summaries of the complex TOGAF standard to let you effectively model enterprise architecture. Use practical examples to illustrate ways to adapt TOGAF to the needs of your enterprise. Provides model examples with Modelio, a free modeling tool, letting you exercise TOGAF modeling immediately using a dedicated tool. Combines existing model standards with TOGAF.

Architectural Drafting and Design-Al Jefiff 2012-02-28

ARCHITECTURAL DRAFTING AND DESIGN, IE is the classic text for all architectural drafters and CAD operators, whether beginning, intermediate, or advanced. This full-color, comprehensive edition provides the basics of residential design, using various types of projects that a designer or architect is likely to complete during the actual design process and is written to meet the most recent editions of IBC and IRC. This book begins with information on architectural styles that have dominated the field over the last four centuries, followed by basic explanations of line weights, scale and dimensioning, and perspective drawing to clarify some of the most difficult concepts. New examples of architectural styles that have dominated the field over the last four centuries, followed by basic explanations of line weights, scale and dimensioning, and perspective drawing to clarify some of the most difficult concepts. New examples of architectural drafting in both 2D and 3D formats, with projects that can be completed using either CAD or manual drafting methods. Readers will gain the knowledge needed to complete drawings required by most municipalities to obtain a building permit for a family residence.

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Architectural Graphics-Armando D. Fazio 2013-04-04

This guide offers an introduction to using graphical design and drafting conventions to translate architectural ideas into effective visual presentations, using drawings to illustrate the topic effectively. This updated edition includes new information on orthographic projection in relation to 3D models, and revised explanations of line weights, scale and dimensioning, and perspective drawing to clarify some of the most difficult concepts. New examples of modern furniture, AFA facilities, and presentation layout provide more up-to-date visuals, and the Reference Center features all new animations, videos, and practice exercises.

Thinking with Diagrams-Johannes Metz 2016-09-14

This book provides an introduction to thinking in terms of diagrams. Diagrammatic representations are becoming more common in everyday human experience, yet they offer unique challenges to cognitive science research. Neither linguistic nor perceptual theories are sufficient to completely explain their advantages and applications. These research challenges may be part of the reason why so many diagrams are badly designed or badly used. This is ironic when the user interfaces of computer software and the worldwide web are so completely dominated by graphical and diagrammatic representations. This book includes chapters commissioned from leading researchers in the major disciplines involved in diagrams research. They review the philosophical status of diagrams, the cognitive processes involved in their application, and a range of specialist fields in which diagrams are central, including education, architectural design and visual programming languages. The result is immediately relevant to researchers in cognitive science and artificial intelligence, as well as in applied technology areas such as human-computer interaction and information design.

Audel Mechanical Trades Pocket Manual-Thomas B. Davis 2003-10-31

This tool needs no maintenance Fully revised and updated, this convenient guide covers the latest industrial equipment as well as all the tools and machines that you will come across in 1970s and before. Your concise guide to basic shop practice from welding, rigging, carpentry, basic electricity, and more. * Features a section on safety issues * Covers belts, drives, transmissions, and bearings * Examines automatic sprinkler systems * Offers tips for preventive maintenance * Includes coverage of piping and pipelifting * Reviews shop procedures and practices

Theater Planning-Gene Lieberman 2017-02-17

This book introduces the concepts of theater planning, and the production and technical requirements particular to theater and opera production. Part I is a guide to the concepts and practices of architecture and construction, as applied to performing arts buildings. Part II is a guide to the design of performing arts buildings, with detailed descriptions of the unique requirements of these buildings. Each concept is illustrated with line drawings and examples from the author’s extensive professional practice. This book is written for students in Theatre Planning courses, along with working practitioners.

Cooperative Design, Visualization, and Engineering-Valda Leo 2008-08-22

This book constitutes the refereed proceedings of the 3th International Conference on Cooperative Design, Visualization, and Engineering, CDVE 2008, held in Cádiz, Mallorca, Spain, in September 2008. The 45 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized into four main sections and topics including visualizing, and from this, the paper is an integral part of the architectural evolution of this most famously picturesque of Oxford colleges. The catalogue has been compiled with the assistance of Robin Darwall-Smith, The architectural drawings of Magdalen College, Oxford number some thousand items and make up a collection unparalleled at any other Oxford or historically as well as systematically? This is what this volume explores by investigating the semiotic dimension of diagrams as to knowledge, drawings and maps. Despite their phenomenological and structural-functional differences, these forms of representation share a number of important topics to various systems and frameworks to applications in a variety of fields. The papers are organized in topical segments on cooperative design, visualization, cooperative engineering, cooperative applications, as well as basic theories, methods and technologies that support CDVE.

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Thinking with Diagrams-Sybille Krämer 2016-07-11

Diagrammatic reasoning is crucial for human cognition. It is hard to think of any forms of science or knowledge without the "intermediary world" of diagrams and diagrammatic representation in thought experiments and/or processes, manifested in forms as divers as notes, tables, schemata, graphs, drawings and maps. Despite their phenomenological and structural-functional differences, these forms of representation share a number of important attributes and epistemic functions. Combining aspects of linguistic and pictorial symbolism, diagrams go beyond the traditional distinction between language and image. They do not only represent, yet intervene in what is represented. Their spatiality, materiality and operativity establish a dynamic tool to externalize thinking, thus contributing to the idea of the extended mind. They foster imagination and problem solving, facilitate orientation in knowledge spaces of unorganized comprehensive catalogues. How can the diagrammatic nature of cognitive and knowledge practices be theoretically historically as well as systematically? This is what this volume explores by investigating the semiotic dimension of diagrams as to knowledge, information and reasoning, e.g., the ‘‘thingness’’ of diagrams in the history of art, the range of diagrammatic reasoning in logic, mathematics, philosophy and the sciences in general, including the knowledge function of maps.

The Architectural Drawings of Magdalen College, Oxford-Maguire 2001

The architectural drawings of Magdalen College, Oxford number some thousand items and make up a collection unparalleled at any other Oxford or Cambridge college. They span three centuries, from the early eighteenth century to the present day, and contain many beautiful contributions from some of the great names of English architecture including Nicholas Hawksmoor, James Wyatt, John Nash, Humphry Repton, A. W. N. Pugin, and leading architects both of the classical and Gothic遥控idesigns. The catalogue includes plans and elevations of almost every building the college has ever had on the site in its history. The collection is especially rich in the works of the first classical architects, John Wood and his nephew Enfield. It is a rich source of graphic illustration for anyone interested in the graphic and compositional problems of English classical architecture of the late eighteenth century. The catalogue has been compiled with the assistance of Robin Darwall-Smith, Architect-Maguire 2001


The fourth edition of the European Conference on Model-Driven Architecture - Foundations and Applications (ECMDA-FA 2008) was dedicated to
This book constitutes the thoroughly refereed post-conference proceedings of the 13th International Conference on Virtual Systems and Multimedia, November/December 2016. The 13 full papers presented together with 12 short papers were carefully reviewed and selected from 84 submissions. They cover a broad range of topics including software architecture, technology and vendor independent design decisions have been made. Offers a concise description of UML usage for large-scale architecture. Discusses software architecture and design principles. This book systematically identifies the lack of methodological support for development of requirements and software architecture in the state-of-the-art. To overcome this deficiency, the QoMRA framework is proposed as a problem-oriented approach. It provides an instantiation of the Twin Peaks model for supporting the interoperating relationships of requirements and software architecture development. The extended MontiArc provides means to continuously refine and test architectural models. To add new features or adapt the language to a new domain, a revised program committee was set. The next conference is expected to be held in 2017.

Software Architecture: A Case Based Approach

In recent years, our world has experienced a shift and progression in available computing and knowledge-sharing innovations. These emerging technologies have been instrumental in affecting and informing the process of systems engineering. This has created a pivotal need for an innovative approach encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and developments in the field of Information Science and Technology. This book provides an extensive and up-to-date overview of the original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers. The articles in this publication are arranged in an all-inclusive manner. This authoritative encyclopedia is an invaluable research tool in all academic fields and disseminates the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and other areas, this book is a source of knowledge that benefits every professional within the field of information science and technology.

Catalog of Architectural Drawings, the Athenaeum of Philadelphia

This handbook aims to assist architecture students in understanding the fundamental elements of architectural design. Beginning with a foundation of concepts, terms, and categories, a theoretical and generalized approach to system of systems engineering is presented. This book provides: an initial section investigating the architecture, passive design and systems layout of the twenty houses; a diagrammatic comparison of the architecture and passive design characteristics of each of the twenty houses in order of ranking by the Architecture, Comfort Zone and overall scores received in the competition; a deep analysis of the relationship between architecture, passive design and mechanical systems design as compared to the rankings received in the various contests. The analysis considers the decisions made by the competing teams and highlights the success of the design strategies employed. Students, educators, practitioners and researchers of architecture, design and engineering will find this an informative and inspirational book. It examines the relationship between design and environmental principles and provides invaluable insight into some of the most innovative, off-the-grid and energy-saving houses in the world. With a Foreword by John J. Doyle, Assistant Professor of Architecture and ecoMOD Project Director, University of Virginia.

Modeling and Simulation Support for System of Systems Engineering Applications

This book provides: an initial section investigating the architecture, passive design and systems layout of the twenty houses; a diagrammatic comparison of the architecture and passive design characteristics of each of the twenty houses in order of ranking by the Architecture, Comfort Zone and overall scores received in the competition; a deep analysis of the relationship between architecture, passive design and mechanical systems design as compared to the rankings received in the various contests. The analysis considers the decisions made by the competing teams and highlights the success of the design strategies employed. Students, educators, practitioners and researchers of architecture, design and engineering will find this an informative and inspirational book. It examines the relationship between design and environmental principles and provides invaluable insight into some of the most innovative, off-the-grid and energy-saving houses in the world. With a Foreword by John J. Doyle, Assistant Professor of Architecture and ecoMOD Project Director, University of Virginia.

Modern Architecture and Climate - Daniel A. Barber 2020-07-07

How climate influenced the design strategies of modernist architects Modern Architecture and Climate explores how leading architects of the twentieth century incorporated climate-mediating strategies into their designs, and shows how regional approaches to climate adaptability were essential to the development of modern architecture. Focusing on the period surrounding World War II, Modern Architecture and Climate demonstrates how architects such as Richard Neutra, Le Corbusier, Licio Costa, Mies van der Rohe, and Skidmore, Owings, and Merrill, and the work of climate-focused architects such as MM Roberts, Olgyay and Olgyay, and CLF May, drawing on the editorial projects of James Marston Fitch, Elizabeth Gordon, and others, he demonstrates how the images and diagrams produced by architects helped conceptualize climate knowledge, the work of meteorologists, physicists, engineers, and social scientists. Barber describes how this novel type of environmental media catalyzed new ways of thinking about climate and architectural design. Extensively illustrated with archival material, Modern Architecture and Climate provides global perspectives on modern architecture and its evolving relationship with a changing climate, showcasing designs from Latin America, Europe, the United States, the Middle East, and Africa. This timely and important book reconciles the cultural dynamics of architecture with the urgent need for action.

Global Modeling and Simulation

This book provides: an initial section investigating the architecture, passive design and systems layout of the twenty houses; a diagrammatic comparison of the architecture and passive design characteristics of each of the twenty houses in order of ranking by the Architecture, Comfort Zone and overall scores received in the competition; a deep analysis of the relationship between architecture, passive design and mechanical systems design as compared to the rankings received in the various contests. The analysis considers the decisions made by the competing teams and highlights the success of the design strategies employed. Students, educators, practitioners and researchers of architecture, design and engineering will find this an informative and inspirational book. It examines the relationship between design and environmental principles and provides invaluable insight into some of the most innovative, off-the-grid and energy-saving houses in the world. With a Foreword by John J. Doyle, Assistant Professor of Architecture and ecoMOD Project Director, University of Virginia.

The Architecture of Humanism 06. Composing Plan

This book provides: an initial section investigating the architecture, passive design and systems layout of the twenty houses; a diagrammatic comparison of the architecture and passive design characteristics of each of the twenty houses in order of ranking by the Architecture, Comfort Zone and overall scores received in the competition; a deep analysis of the relationship between architecture, passive design and mechanical systems design as compared to the rankings received in the various contests. The analysis considers the decisions made by the competing teams and highlights the success of the design strategies employed. Students, educators, practitioners and researchers of architecture, design and engineering will find this an informative and inspirational book. It examines the relationship between design and environmental principles and provides invaluable insight into some of the most innovative, off-the-grid and energy-saving houses in the world. With a Foreword by John J. Doyle, Assistant Professor of Architecture and ecoMOD Project Director, University of Virginia.

The Encyclopedia of Information Science and Technology, Fourth Edition

This book provides: an initial section investigating the architecture, passive design and systems layout of the twenty houses; a diagrammatic comparison of the architecture and passive design characteristics of each of the twenty houses in order of ranking by the Architecture, Comfort Zone and overall scores received in the competition; a deep analysis of the relationship between architecture, passive design and mechanical systems design as compared to the rankings received in the various contests. The analysis considers the decisions made by the competing teams and highlights the success of the design strategies employed. Students, educators, practitioners and researchers of architecture, design and engineering will find this an informative and inspirational book. It examines the relationship between design and environmental principles and provides invaluable insight into some of the most innovative, off-the-grid and energy-saving houses in the world. With a Foreword by John J. Doyle, Assistant Professor of Architecture and ecoMOD Project Director, University of Virginia.
and simulation within the field of system of systems, including transportation, system health management, space mission analysis, systems engineering methodology, and energy State-of-the-art advances within multiple domains to instantiate theoretic insights, applicable methods, and lessons learned from real-world applications of modeling and simulation. The challenges of system of systems engineering using a systematic and holistic approach. Key concepts, terms, and activities provide a comprehensive, unified, and concise representation of the field. A collection of chapters written by over 40 recognized international experts from academia, government, and industry. A research agenda derived from the contribution of experts that guides scholars and researchers towards open questions. Modeling and Simulation Support for System of Systems Engineering Applications is an ideal reference and resource for academics and practitioners in operations research, engineering, statistics, mathematics, modeling and simulation, and computer science. The book is also an excellent course book for graduate and PhD-level courses in modeling and simulation, engineering, and computer science.

The Portfolio and the Diagram—Hyungmin Pai 2002

A history of modern architecture as a discursive practice.

Product-Focused Software Process Improvement—Jürgen Münch 2006-09-21

This book constitutes the refereed proceedings of the 7th International Conference on Product-Focused Software Process Improvement, PROFES 2006, held in Amsterdam, June 2006. The volume presents 26 revised full papers and 12 revised short papers together with 6 reports on workshops and tutorials. The papers constitute a balanced mix of academic and industrial aspects, organized in topical sections on decision support, embedded software and system development, measurement, process improvement, and more.

The Global Architect—Donald McNeill 2009-06-02

The Global Architect explores the increasing significance of globalization processes on urban change, architectural practice, and the built environment. In what is primarily a critical sociological overview of the current global architectural industry, Donald McNeill covers the “star system” of international architects who combine celebrity and hypermobility, the top firms, whose offices are currently undergoing a major global expansion, and the role of advanced information technology in expanding the geographical scope of the industry.

List of English-translated Chinese standards (GB/T)

HTTPS://WWW.CODEOFCHINA.COM EMAIL:COC@CODEOFCHINA.COM “Codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide. About TransForyou TransForyou (Beijing) Translation Co., Ltd., established in 2003, is a reliable language service provider for clients at home and abroad. Since our establishment, TransForyou has been aiming to build up a translation brand with our professional dedicated service. Currently, TransForyou is the director of China Association of Engineers and Simulation Standardization (CECS).”

Catalog of Copyright Entries

Codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide.

Architecture and Anthropology—Adam Jasper 2020-05-21

Both architecture and anthropology emerged as autonomous theoretical disciplines in the 18th-century enlightenment. Throughout the 19th century, the fields shared a common icon—the primitive hut—and a common concern with both routine needs and ceremonial behaviours. Both could lay strong claims to a special knowledge of the everyday. And yet, in the 20th century, notwithstanding genre classics such as Bernard Rudofsky’s Architecture without Architects or Paul Oliver’s Shelter, and various attempts to make architecture anthropocentric (such as Corbusier’s Modulor), disciplinary exchanges between architecture and anthropology were often disappointingly slight. This book attempts to locate the various points of departure that might be taken in a contemporary discussion between architecture and anthropology. The results are radical: post-colonial theory is here counterpointed to 19th-century theories of primitivism; archaeology is set against dentistry; fieldwork is juxtaposed against indigenous critique; and climate science is applied to questions of shelter. This publication will be of interest to both architects and anthropologists. The chapters in this book were originally published within two special issues of Architectural Theory Review.

Sun Certified Enterprise Architect for J2EE Technology Study Guide—Mark Cade 2002

Helps readers understand the goals of system architecture, design patterns, identify the appropriate J2EE technologies and APIs, maximize security and scalability, and evaluate existing architectures.

Essential Software Architecture—Ian Gorton 2006-09-05

Job titles like “Technical Architect” and “Chief Architect” nowadays abound in the software industry, yet many people suspect that “architecture” is one of the most overused and least understood terms in professional software development. Gorton’s book helps resolve this predicament. It concisely describes the essential elements of knowledge and key skills required to be a software architect. The explanations encompass the essentials of architecture thinking, practices, and supporting technologies. They range from a general understanding of software structure and quality attributes, through technical issues like middleware components and documentation techniques, to emerging technologies like model-driven architecture, software product lines, aspect-oriented design, service-oriented architectures, and the Semantic Web, all of which will influence future software system architectures. All approaches are illustrated by an ongoing real-world example. So if you work as an architect or senior designer (or want to someday), or if you are a student in software engineering, here is a valuable and yet approachable source of knowledge. “Ian's book helps us to head in the right direction through the various techniques and approaches... An essential guide to computer science students as well as developers and IT professionals who aspire to become an IT architect.” (Anna Liu, Architect Advisor, Microsoft Australia)

Catalog of Copyright Entries—Library of Congress. Copyright Office 1961

State Plans for Improving Statistical Services—Clayton Darius Hutchins 1961

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