

Cibse Guide D Transportation Systems In Buildings

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3rd International Conference on Advances in Power System Control, Operation & Management 1995
Habitat and the High-rise Tradition and Innovation Lynn S. Beedle 1995

Proceedings of the Institution of Civil Engineers 2005
Transportation Systems in Buildings Chartered Institution of Building Services Engineers 2015 This 5th Edition of CIBSE Guide D is the result of extensive review and revision by a dedicated and enthusiastic team comprising lift and escalator specialists and building service engineers. This Guide is very comprehensive, covering the whole spectrum of interior circulation, planning and design, selection of equipment and performance, computer programmes, types of systems, legislation, fire and safety, requirements for persons with disabilities, lift components, lift traffic controls, escalators and moving walkways (passenger conveyors), energy consumption, electrical systems and environmental conditions. The purpose of Guide D is to provide guidance to practitioners involved in such systems. The Guide should also be of interest to architects and developers, along with facilities and building managers who may not be directly concerned with the design and installation of lifts and escalators but need to understand the advice offered to them by specialists.

Building Services G. Hassan 1996-11-11 A textbook for students at undergraduate and equivalent level taking courses on the built environment. It will appeal in particular to second level students of construction, building surveying, quantity surveying and architecture. While covering the full range of topics normally associated with building services, the author focuses on the treatment of energy within the built environment, as this is held to be one of the chief concerns of building consultants, building and facilities managers, inspectors and engineers.

Building Services 1989-07

Elevator Technology 5 George Charles Barney 1993

Multi-purpose High-rise Towers and Tall Buildings H.R. Viswanath 2014-04-21 Interest continues to develop in the design and construction of high-rise towers and tall buildings, structures with heights ranging from 75m to 500m and even more. This volume presents the papers from the third in a series of international conferences on the subject, organised by the International Federation of High-rise Structures. The papers have been drawn together under the grand theme of the Conquest of Vertical Space in the 21st Century. The conference has been organised by the UK’s Concrete Society, and sponsored by the IFHS and the Council on Tall Buildings and Urban Habitat and the Fdration Internationale de la Prcontrainte (FIP). This prestigious collaboration has brought forth a body of high quality practical and research papers.

European Building Construction Illustrated Francis D. K. Ching 2014-08-11 The first European edition of Francis DK Ching’s classicvisual guide to the basics of building construction. For nearly four decades, the US publication BuildingConstruction Illustrated has offered an outstanding introduction tothe principles of building construction. This new European editionfocuses on the construction methods most commonly used in Europe,referring largely to UK Building Regulations overlaid with Britishand European, while applying Francis DK Ching’s clear graphicsignature style. It provides a coherent and essential primer,presenting all of the basic concepts underlying buildingconstruction and equipping readers with useful guidelines forapproaching any new materials or techniques they may encounter. European Building Construction Illustrated provides acomprehensive and lucid presentation of everything from foundationsand floor systems to finish work. Laying out the material andstructural choices available, it provides a full understanding ofhow these choices affect a building’s form and dimensions.Complete with more than 1000 illustrations, the book moves througheach of the key stages of the design process, from site selectionto building components, mechanical systems and finishes. Illustrated throughout with clear and accurate drawings thateffectively communicate construction processes and materials Provides an overview of the mainstream construction methodsused in Europe Based around the UK regulatory framework, the book refers toEuropean level regulations where appropriate. References leading environmental assessment methods of BREEMand LEED, while outlining the Passive House Standard Includes emerging construction methods driven by thesustainability agenda, such as structural insulated panels andinsulating concrete formwork Features a chapter dedicated to construction in the MiddleEast, focusing on the Gulf States

Building Services Journal 2005

Smart Cities Anuar Mohamed Kassim 2021-10-13 The development of smart cities is important and beneficial to a government and its citizens. With the advent of the smartphone, rapid and reliable communication between and among individuals and governments has become ubiquitous. Everything can be connected and accessed easily with the touch of a finger. Changes in mobile internet telecommunication systems allow for the advance of new urbanization using smart city development methods. The evolution of technology in Industry 4.0, such as the advancement of cutting-edge sensors utilizing the Internet of things (IoT) concept, has wide applications in developing various smart systems. This publication analyzes the interconnected cyber-physical systems inherent in smart cities, and the development methods and applications thereof.

The British National Bibliography Arthur James Wells 2006

Transportation Systems in Buildings 2015

Architectural Publications Index 2002

Building Services Design Methodology David Bownass 2002-09-11 Building Services Design Methodology clearly sets out and defines the building services design process from concept to post-construction phase. By providing a step-by-step methodology for students and practitioners of service engineering, the book will encourage improved efficiency (both in environmental terms and in terms of profit enhancement) through better project management. Generic advice and guidance is set in the current legal and contractual context, ensuring that this will be required reading for professionals. The book’s practical style is reinforced by a number of case studies.

Intelligent Building Systems Albert Ting-pat So 2012-12-06 Intelligent building is the future of our building industry; all commercial, residential, industrial and institutional buildings will be designed towards the goal of ‘intelligent buildings’. The most important aspect of an intelligent building is the building systems, such as electrical services, heating, ventilation and air-conditioning systems, vertical transportation systems, and life safety systems, which must operate intelligently and efficiently to enhance the activities of the occupants. Intelligent Building Systems explains what already exists in a modern intelligent building and describes what is currently being developed by researchers to improve human comfort, working efficiency and energy performance for buildings in the 21st century. Intelligent Building Systems is divided into three parts. The first part gives a quick review of the structure, terminology, layout and operating principles of most standard modern building systems. The second part introduces the background material necessary to understand intelligent building systems, including information on electronics technology, fundamental mathematics, and techniques in artificial intelligence and signal processing. These first two parts are the foundation for the final part, which consists of research works carried out by the authors and other researchers in the application of artificial intelligence to building systems. The technologies presented will encourage readers to envision new and innovative ideas on possible future applications. Intelligent Building Systems is relevant to practitioners and researchers in the area of architectural science and engineering, electrical and mechanical services and intelligent buildings. It may also be used as a text for advanced courses on the topic.

Entwicklung von Hilfsmitteln fuer die Planung und den Variantenvergleich von Befoerderungssystemen in Gebaeuden am Beispiel von Aufzuegen Drewer, Sebastian 2016-07-01

The Architects’ Journal 1994

Construction Technology 2: Industrial and Commercial Building Mike Riley 2018-02-20 Designed in a structured, directed format to help develop understanding, rather than just providing a simple source of information, this popular undergraduate textbook offers comprehensive coverage of industrial and commercial building technology. It builds on material in the first volume in the series Construction Technology 1: House Construction but it is also valuable as a standalone text. The most student-friendly textbook in the area, it uses a wealth of features to reinforce understanding and test knowledge, including case studies and comparative studies. Case studies include photographs and commentary on specific aspects of the technology of framed buildings, while comparative studies allow the reader to make a critical evaluation, comparing and contrasting design details and solutions. This textbook is aimed at undergraduates in Construction Management, Quantity Surveying and Building Surveying, and HNC/D students in the same areas. It is also ideal for associated Built Environment courses e.g. Land Management, Civil Engineering, where the basic technologies need to be understood. New to this Edition: - Thoroughly revised throughout - New material on sustainable construction incorporated as a key theme in each aspect of technology - A new chapter on building services installations - A new section of the highly topical subject of Building Information Modelling (BIM)

Transportation Systems in Buildings Chartered Institution of Building Services Engineers 2010

Design for Maintainability Michael Yit-Lin Chew 2018-03-20

Maintainability of Facilities Yit Lin Chew 2016-08-19 This book focuses on spearheading the integration of maintainability and green facility management right from the design stage. The text introduces the concept of green maintainability, and discusses considerations to maximize the performance by achieving resource and energy efficiency, while minimizing the total life cycle cost in embodied energy; environmental impact and consumption of matter/energy throughout the life cycle of a facility, by "doing it right the first time". In this edition, existing chapters have been brought up to date, to include contemporary sustainability concerns, such as: sustainability design, construction and materials, and maintainability of green features. Maintainability of Facilities is written for practitioners and students in architecture, engineering, building, real estate, construction, project management, facilities management, quantity and building surveying.

Veranstaltungskommunikation Christian Groneberg 2019-11-01 In diesem Band wird aus medien- und kommunikationswissenschaftlichen, ingenieurwissenschaftlichen, philosophischen, geographischen oder rechtlichen Perspektiven, von Standpunkten des Veranstaltungs-, Verkehrs- und Social Media-Managements sowie aus feuerwehrliehen Überlegungen heraus Veranstaltungskommunikation thematisiert, denn: Kommunikation ist die Schnittstelle zwischenmenschlicher Interaktion. Ob im Alltag oder in krisenhaften oder katastrophischen Ausnahmesituationen ist sie eines der Mittel zur Herstellung von Sicherheit. Dies gilt auch und gerade im Kontext von Großveranstaltungen.

Lebenszyklusorientierte Planung von Erschließungskonzepten in Hochhäusern am Beispiel von Aufzugsanlagen Jens Deppenmeier 2011

Circulation and communication spaces Great Britain: Department of Health: Estates and Facilities Division 2007-08-08 Health building notes give "best practice" guidance on the design and planning of new healthcare buildings

and on the adpatation/extension of existing facilities. They provide information to support the briefing and design processes for individual projects in the NHS building programme. Health Building Note 40, vol. 4, Common activity spaces is being republished into 3 documents. This document forms Health Building Note 00-04 and replaces HBN 40, vol. 4 (ISBN 9780113221875). Circulation spaces provide access within hospital departments whereas communication spaces provide access between departments and may include main hospital streets. This document provides guidance on the design of circulation and communication spaces in hospitals and other healthcare buildings, including corridors, internal lobbies and stairs, and lifts. It also provides supporting information on doors and handrails. The guidance is based on ergonomic research, including a study that investigated space requirements for bed movement along corridors and through doors.

Heating Services in Buildings David E. Watkins 2011-09-26 Water based heating systems are efficient, flexible, versatile and offer many advantages over other heating systems. These advantages (fast response, good controllability, efficient zonal heating and largely silent operation) all require that initial design, installation, commissioning and maintenance be carried out to a high standard by competent engineers. Heating Services in Buildings provides the reader with a detailed and thorough understanding of the principles and elements of heating buildings using modern water based heating systems. A key theme of the book is that there is little difference, in the approach to the design and engineering, between domestic and commercial installations. The author’s detailed but highly practical approach to the subject ensures there is sufficient information for students from both a craft background and those with more academic backgrounds to understand the material. This approach is complemented by straightforward, easy-to-use diagrams. Heating Services in Buildings supports a range of educational courses, including degree level building services engineering; NVQ Level 4 Higher Professional Diploma in Building Services Engineering; City & Guilds supplementary heating course and the Heating Design and Installation Course accredited by the European Registration Scheme (ERS).

Information Sources in Architecture and Construction Valerie J. Nurcombe 1996 The new edition (first, 1983) comprises 24 chapters, each written by an expert in the field who describes sources and, in addition, provides instructions in methodology and hints on keeping up with advances in information. Coverage includes architectural history, conservation, contracts and liability.

Transportation Systems in Buildings 2005-01-01

The Cumulative Book Index 1995

People Flow in Buildings Marja-Liisa Siikonen 2021-09-27 Discover how to measure, control, model, and plan people flow within modern buildings with this one-stop resource from a leading professional People Flow in Buildings delivers a comprehensive and insightful description of people flow, analysis with software-based tools. The book offers readers an up-to-date overview of mathematical optimization methods used in control systems and transportation planning methods used to manage vertical and horizontal transportation. The text offers a starting point for selecting the optimal transportation equipment for new buildings and those being modernized. It provides insight into making passenger journeys pleasant and smooth, while providing readers with an examination of how modern trends in building usage, like increasingly tall buildings and COVID-19, effect people flow planning in buildings. People Flow in Buildings clearly defines the terms and symbols it includes and then moves on to deal with the measurement, control, modelling, and planning of people flow within buildings of all kinds. Each chapter contains an introduction describing its contents and the background of the subject. Included appendices describe measured passenger data and performed analyses. Readers will also benefit from the inclusion of: A thorough introduction to people-counting methods, including counting technology inside and outside buildings, passenger traffic components, and manual people-counting An examination of the passenger arrival process in building, including the Poisson arrival process and probability density function, and passenger arrivals in batches A consideration of daily vertical passenger traffic profiles, including two-way traffic profiles and the effects of inter-floor traffic An exploration of people flow solutions, including stairs, escalators, and elevators with collective and destination group control systems, as well as double-deck and multicar system People flow calculation and simulation models Elevator planning with ISO simulation method Elevator planning and evacuation of tall buildings Perfect for software designers in the private sector and academia, People Flow in Buildings will also earn a place in the libraries of elevator consultants, manufacturers, and architects who seek a one-stop reference for transportation devices from a functional and design perspective, as opposed to a hardware perspective.

Advanced Intelligent Computing Theories and Applications De-Shuang Huang 2007-08-10 This volume, in conjunction with the two volumes LNCS 4681 and LNAI 4682, constitutes the refereed proceedings of the Third International Conference on Intelligent Computing held in Qingdao, China, in August 2007. The conference sought to establish contemporary intelligent computing techniques as an integral method that underscores trends in advanced computational intelligence and links theoretical research with applications.

Transportation Systems in Buildings Chartered Institution of Building Services Engineers (Great Britain) 2010

Walford’s Guide to Reference Material: Science and technology Albert John Walford 1999 A revised and updated guide to reference material. It contains selective and evaluative entries to guide the enquirer to the best source of reference in each subject area, be it journal article, CD-ROM, on-line database, bibliography, encyclopaedia, monograph or directory. It features full critical annotations and reviewers’ comments and comprehensive author-title and subject indexes. The contents include: mathematics; astronomy and surveying; physics; chemistry; earth sciences; palaeontology; anthropology; biology; natural history; botany; zoology; patents and interventions; medicine; engineering; transport vehicles; agriculture and livestock; household management; communication; chemical industry; manufactures; industries, trades and crafts; and the building industry.

Elevator Traffic Handbook Gina Barney 2015-08-27 This second edition of this well-respected book covers all aspects of the traffic design and control of vertical transportation systems in buildings, making it an essential reference for vertical transportation engineers, other members of the design team, and researchers. The book introduces the basic principles of circulation, outlines traffic design methods and examines and analyses traffic control using worked examples and case studies to illustrate key points. The latest analysis techniques are set out, and the book is up-to-date with current technology. A unique and well-established book, this much-needed new edition features extensive updates to technology and practice, drawing on the latest international research.

Elevator and Escalator Accident Reconstruction and Litigation James Filippone 2005-10-01 You’re considering the case of a maintenance worker injured while repairing an elevator. Or perhaps it’s an elderly woman hurt on a department store escalator while Christmas shopping with her grandkids. An initial search of the literature has turned up almost nothing useful. Your instinct tells you it’s a good case, but to evaluate it properly, you need this latest addition our litigation series. The key questions are: what caused the accident, and what were the contributory factors? Some accidents have an element of "in the wrong place at the wrong time" about them, and others have an element of disregard for the equipment involved. Sadly, others fall into the category of sheer negligence or incompetence. This book will help you tell the difference. The authors have had the unpleasant task of investigating numerous elevator and escalator accidents. Their expertise will guide you as you make your decision to take or reject the case, and their experience will give you the basic understanding of the issues you need to proceed with confidence. TOPICS INCLUDE Codes, regulations and related subjects–for the U.S., with consideration of Canada and the U.K.Accident statistics and selected incidents The elements of typical elevator accidents The elements of typical escalator accidents Reviewing and understanding maintenance documents Presuit investigation: should a suit be instituted? Legal theories and negligence A glossary and a sample expert report Pleadings–excerpt of a typical complaint Discovery–sample interrogatories, request for production of documents and corporate designee notices Expert opinion: the applicability of Daubert, Khumo and Frye

Office Buildings Pranab Kumar Nag 2018-12-31 This book brings together concepts from the building, environmental, behavioural and health sciences to provide an interdisciplinary understanding of office and workplace design. Today, with changes in the world of work and the relentless surge in technology, offices have emerged as the repositories of organizational symbolism, denoted by the spatial design of offices, physical settings and the built environment (architecture, urban locale). Drawing on Euclidian geometry that quantifies space as the distance between two or more points, a body of knowledge on office buildings, the concept of office and office space, and the interrelationships of spatial and behavioural attributes in office design are elucidated. Building and office work-related illnesses, namely sick building syndrome and ailments arising from the indoor environment, and the menace of musculoskeletal disorders are the alarming manifestations that critically affect employee satisfaction, morale and work outcomes. With a focus on office ergonomics, the book brings the discussion on the fundamentals of work design, with emphasis on computer workstation users. Strategic guidance of lighting systems and visual performance in workplaces are directed for better application of ergonomics and improvement in office indoor environment. It discusses the profiles of bioclimatic, indoor air quality, ventilation intervention, lighting and acoustic characteristics in office buildings. Emphasis has been given to the energy performance of buildings, and contemporary perspectives of building sustainability, such as green office building assessment schemes, and national and international building-related standards and codes. Intended for students and professionals from ergonomics, architecture, interior design, as well as construction engineers, health care professionals, and office planners, the book brings a unified overview of the health, safety and environment issues associated with the design of office buildings.

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eWork and eBusiness in Architecture, Engineering and Construction Ardeshir Mahdavi 2014-08-21 In the last two decades, the biannual ECPPM (European Conference on Product and Process Modelling) conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ICT (Information and Communication Technology) applications in the AEC/FM (Architecture, Engineering, Construction and

Innovation through Knowledge Transfer Robert J. Howlett 2010-07-19 Knowledge transfer between universities, business and the community is a topical subject of increasing importance. The first International Conference on 'Innovation through Knowledge Transfer: Research with Impact', InnovationKT'09, held in Kingston, London, UK, provided a rare and welcome opportunity to share some of the successes of knowledge transfer. The conference attracted 150 delegates and featured 42 oral presentations. This volume, representing the proceedings of the conference, contains 35 papers based on selected conference presentations. The papers are divided into seven sections entitled 'Key Knowledge Transfer Perspectives', 'Knowledge Transfer Case Studies', 'Innovative Knowledge Transfer Techniques', 'Strategic and Organisational Approaches to Knowledge Transfer', 'Knowledge transfer in the Arts and the Community', 'Knowledge Transfer Methodology and Practice' and 'Innovation and Enterprise'. The first InnovationKT conference was unique in gathering such a tremendous range of knowledge transfer experience and expertise. This volume forms a valuable resource for all those who are involved in knowledge transfer, or wish to know more about it. University academics can read examples of ways in which research can be commercialised, increasing impact and improving relevance. Knowledge transfer practitioners can find out about best practice in their subject and read case studies. Companies can read about how universities can help find solutions to their problems. We recommend this volume as a statement of the benefits that knowledge transfer can bring to all those involved.

Cumulative Book Index 1995 A world list of books in the English language.