

Rics Professional Guidance Global Measured Surveys Of

The revised and updated comprehensive resource for Quantity Surveyors working with a construction contractor. The second edition of Construction Quantity Surveying offers a practical guide to quantity surveying from a main contractor's perspective. This indispensable resource covers measurement methodology (including samples using NRM2 as a guide), highlights the complex aspects of a contractor's business, reviews the commercial and contractual management of a construction project and provides detailed and practical information on running a project from commencement through to completion. Today's Quantity Surveyor (QS) plays an essential role in the management of construction projects, although the exact nature of the role depends on who employs the QS. The QS engaged by the client and the contractor's QS have different parts to play in any construction project, with the contractor's QS role extending beyond traditional measurement activities, to encompass day-to-day tasks of commercial building activities including estimating, contract administration, and construction planning, as well as cost and project management. This updated and practical guide: Focuses on the application, knowledge and training required of a modern Quantity Surveyor Clearly shows how Quantity Surveying plays an essential central role within the overall management of construction projects Covers measurement methodology, the key elements of the contractor's business and the commercial and contractual management of a construction project The construction industry changes at fast pace meaning the quantity surveyor has a key role to play in the successful execution of construction projects by providing essential commercial input. Construction Quantity Surveying meets this demand as an up-to-date practical guide that includes the information needed for a Quantity Surveyor to perform at the highest level. It clearly demonstrates that quantity surveying is not limited to quantifying trade works and shows it as an important aspect of commercial and project management of construction projects.

Measured and Drawn sets out to show how, through working closely with historians, conservators and archaeologists, optimum documentation can be achieved by metric survey. It explains how the balance between precision, cost and time when applying metric technologies to heritage documentation can be achieved by choosing an appropriate method and making sure project information requirements are understood by all from the start. Measured and Drawn examines control, detail and procurement, and concludes with case studies of metric survey projects undertaken on historic buildings and structures ranging from Battle Abbey Courthouse to the nave ceiling at Peterborough Cathedral. It is prepared in sequence with Where on Earth Are We? The Global Positioning System in archaeological field survey (2003), Understanding Historic Buildings: a guide to good recording practice (2006) and 3D Laser scanning for Heritage: advice and guidance to users on laser scanning in archaeology and architecture (2007) as part of an ongoing series of technical guides on heritage documentation. The second edition is prepared in response to the publication of English Heritage's Conservation Principles: policies and guidance for the sustainable management of the historic environment (2008) which has placed documenting and learning from decisions as a core principle, with accessible records recognised as essential to the conservation process. The principles outline the need for adequate records in managing change to significant places.

Twenty-nine new dietary supplements have been added to this edition! This guide comprehensively explores the media claims, drug-supplement interactions, dosage information and relevant research for more than 100 of today's most popular dietary supplements. Completely revised, updated, and indexed information is provided for dietetics professionals and their clients. Written by industry experts, this guide's recommendations are reliable and backed by credible clinical research.

The third edition of Property Valuation: The Five Methods introduces students to the fundamental principles of property valuation theory by means of clear explanation and worked examples. An ideal text for those new to the subject, the book provides 1st year undergraduate students with a working knowledge and understanding of the five methods of valuation and the ways in which they are interlinked. In this fully revised edition, the new author team have: restructured the chapters to ensure a more logical order outlined the economic theory of value and the rules and constraints under which a valuer works provided detailed consideration of each of the five recognised approaches placed a larger emphasis on the Discounted Cash Flow approach These revisions are all written in the concise and accessible style which has made previous editions of the book so successful. The new edition of this textbook will be essential reading for undergraduates on all property, real estate, planning and built environment courses.

Thinking about a career in property or construction? Thinking of becoming of Chartered Surveyor? How to Become a Chartered Surveyor demystifies the process and provides a clear road map for candidates to follow. The book outlines potential pathways and practice areas within the profession and includes the breadth and depth of surveying, from commercial, residential and project management, to geomatics and quantity surveying. Experienced APC assessor and trainer, Jen Lemen BSc (Hons) FRICS, provides invaluable guidance, covering: routes to becoming a Chartered Surveyor, including t-levels, apprenticeships and alternative APC routes such as the Senior Professional, Academic and Specialist assessments areas of professional practice advice for the AssocRICS, APC (MRICS), FRICS and Registered Valuer assessments, including both written and interview elements advice on referrals and appeals how to support candidates, including the role of the Counsellor and Supervisor opportunities for further career progression, including further qualifications and setting up in practice as an RICS regulated firm global perspectives professional ethics for surveyors Written in clear, concise and simple terms and providing practical advice throughout, this book will help candidates to decode and understand the RICS guidance, plan their career and be successful in their journey to become a Chartered Surveyor. It will also be of relevance to academic institutions, employers, school leavers, apprentices, senior professionals, APC Counsellors/Supervisors and careers advisors.

This textbook responds to the increasing demand for practical, industry aligned, ethical practices in quantity surveying, construction management and related AEC professions. Professional Ethics for Construction and Surveying addresses how existing ethical standards can be pragmatically applied to both private and contracting practice, with case studies aligned with the ethical requirements of the main professional bodies. After an introduction to ethics, the authors present real-world situations where the minimum legal and contractual requirements necessitate the combination of professional judgement and ethical decision-making. They outline how such situations arise, then address how decisions can and should be made that are in keeping with the moral, contractual and CSR requirements, with cases covering the building lifecycle from procurement to handover. Consequently, the book brings together ethical theory, existing worldwide ethical standards and the requirements of the RICS, the CIOB and the ICES, with the authors' experiences of examining candidates for entry into the professional bodies. The result is a professionally focused textbook aimed at vocational learners (at both undergraduate and postgraduate taught levels) and practitioners in construction, engineering, architecture and the wider built environment.

The drive towards environmentally friendly buildings and infrastructure has led to a growing interest in providing design solutions underpinned by the core principles of sustainability to balance economic, social and environmental factors. Design Economics for the Built Environment: Impact of sustainability on project evaluation presents new directions, reflecting the need to recognise the impact of climate change and the importance of sustainability in project evaluation. The aim is to provide a new approach to understanding design economics in the context of the changing policy environment, legislative and regulatory framework, and increasing economic, environmental and social pressure as result of the sustainability agenda. The book follows a structured approach from theories and principles in the earlier chapters, to the practical applications and emerging techniques focusing on value and social, economic and environmental considerations in making design decisions. It starts with the policy context, building on various theories and principles such as, capital cost, value of design and resource-based theories, the new rules of measurement (NRM) to explore cost planning, the relationship between height and costs, key socio-economic and environmental variables for design appraisal, eco-cost/value ratio (EVR), whole life theory and the treatment of carbon emission as external costs, productivity and efficiency, fiscal drivers and legal framework for carbon reduction, procurement and allocation of risks in contracts. Case studies, practical examples and frameworks throughout reinforce theories and principles and relate them to current practice. The book is essential reading for postgraduate students in architecture, building and quantity surveying and is also a valuable resource for academics, consultants and policy-makers in the built environment.

The second edition of Corporate Real Estate Asset Management is fully up to date with the latest thought and practice on successful and efficient use of corporate office space. Written from an occupier's perspective, the book presents a ten-point CREAM model that offers advice on issues such as sustainability, workplace productivity, real estate performance measurement, change management and customer focus. In addition, new case studies provide real-life examples of how corporations in the UK, USA, Hong Kong and Abu Dhabi actively manage their corporate real estate. The book is aimed at advanced undergraduate and graduate students on corporate real estate, facilities management and real estate courses and international MBA programmes.

This book has been written to meet the needs of those who work with property or property-related matters, but without any formal training, and describes how those in the property industry go about their work. The principal theme in the book is realty or landed property, including buildings. Other types of property are touched upon but only in the context of real estate. The book is intended to be an introduction for those whose involvement in property requires them to understand or have insights into the ways in which property functions and processes are carried out. It will also help in understanding common expressions and jargon.

Interprofessional teamwork and collaborative practice are emerging as key elements of efficient and productive work in promoting health and treating patients. The vision for these collaborations is one where different health and/or social professionals share a team identity and work closely together to solve problems and improve delivery of care. Although the value of interprofessional education (IPE) has been embraced around the world - particularly for its impact on learning - many in leadership positions have questioned how IPE affects patient, population, and health system outcomes. This question cannot be fully answered without well-designed studies, and these studies cannot be conducted without an understanding of the methods and measurements needed to conduct such an analysis. This Institute of Medicine report examines ways to measure the impacts of IPE on collaborative practice and health and system outcomes. According to this report, it is possible to link the learning process with downstream person or population directed outcomes through thoughtful, well-designed studies of the association between IPE and collaborative behavior. Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes describes the research needed to strengthen the evidence base for IPE outcomes. Additionally, this report presents a conceptual model for evaluating IPE that could be adapted to particular settings in which it is applied. Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes addresses the current lack of broadly applicable measures of collaborative behavior and makes recommendations for resource commitments from interprofessional stakeholders, funders, and policy makers to advance the study of IPE.

Immobilienkennzahlen Fundierte Immobilienanalyse in der Praxis Linde Verlag GmbH

The world of construction is intrinsically linked with that of finance, from the procurement and tendering stage of projects right through to valuation of buildings. In addition to this, things like administrations, liquidations, mergers, take-overs, buy-outs and floatations affect construction firms as they do all other companies. This book is a rare explanation of common construction management activities from a financial point of view. While the practical side of the industry is illustrated here with case studies, the authors also take the time to build up an understanding of balance sheets and P&L accounts before explaining how common tasks like estimating or valuation work from this perspective. Readers of this book will not only learn how to carry out the tasks of a construction cost manager, quantity surveyor or estimator, they will also understand the financial logic behind them, and the

motivations that drive senior management. This is an essential book for students of quantity surveying or construction management, and all ambitious practitioners.

This book covers the whole range of skills and knowledge that modern quantity surveyors require to perform their work efficiently and effectively. The text has been thoroughly revised and substantially extended to enhance its value to the reader. All the basic skills of the quantity surveyor in construction procurement, contract administration and cost control and management are dealt with in sufficient detail to meet the needs of students. The newly developing areas of project management and value management are examined and illustrated in a practical way.

International Valuation Standards: a guide to the valuation of real property assets is an essential road map to using the new International Valuation Standards in everyday practice for real estate assets, explains their content, application and operation. It shows how to value assets including property, plant and equipment and is written in an explanatory style using commonly understood business English with as little jargon as possible. It takes a thematic format, focusing on the application of IVSs to investment property and owner-occupied property with the author addressing valuation instruction, operation and reporting under IVSs.

Embodied and Whole Life Carbon will change the way buildings are designed, yet carbon emissions associated with the construction and life of buildings are not yet wholly understood by the profession. Energy is assumed to be the province of services engineers, yet energy from materials is as big an issue. Architects have the opportunity to take the lead in redefining how buildings are designed to achieve a low carbon future.

The essential reference tool for all real estate, property, planning and construction students. Real Estate Concepts provides built environment students with an easy to use guide to the essential concepts they need to understand in order to succeed in their university courses and future professional careers. Key concepts are arranged, defined and explained by experts in the field to provide the student with a quick and reliable reference throughout their university studies. The subjects are conveniently divided to reflect the key modules studied in most property, real estate, planning and construction courses. Subject areas covered include: Planning Building surveying Valuation Law Economics, investment and finance Quantity surveying Construction and regeneration Sustainability Property management Over the 18 alphabetically arranged subject specific chapters, the expert contributors explain and illustrate more than 250 fully cross-referenced concepts. The book is packed full of relevant examples and illustrations and after each concept further reading is suggested to encourage a deeper understanding. This book is an ideal reference when writing essays, assignments and revising for exams.

The success of qualified and professional resources, the development of new approaches and methodologies in the real estate have already provided positive results, in terms of better quality offer of the properties. In a fully evolved market, in fact, the adherence by professionals to a specific code of conduct and the spread of shared procedures acknowledged as standards, represent a guarantee for quality. The experts must be able to compete on international markets in the field of technical and of economic management of existing buildings and urban environments. The main scope of this text is to provide methods and tools to be used for technical-economic evaluation on purchase or managing and valorize of building and property. In particular, it is addressed to those profiles in the real estate market and to the students that aim at a potential employment gravitating around the economic-financial management. This scope is achieved through formative procedures that include the description of the main processes and instruments that characterized the real estate operations worldwide. The main methodologies refer to the ones adopted by the operators of this sector and to the most common texts that include scientific publications, rule and codes widespread on a national and international scale.

To fully function in today's global real estate industry, students and professionals increasingly need to understand how to implement essential and cutting-edge quantitative techniques. This book presents an easy-to-read guide to applying quantitative analysis in real estate aimed at non-cognate undergraduate and masters students, and meets the requirements of modern professional practice. Through case studies and examples illustrating applications using data sourced from dedicated real estate information providers and major firms in the industry, the book provides an introduction to the foundations underlying statistical data analysis, common data manipulations and understanding descriptive statistics, before gradually building up to more advanced quantitative analysis, modelling and forecasting of real estate markets. Our examples and case studies within the chapters have been specifically compiled for this book and explicitly designed to help the reader acquire a better understanding of the quantitative methods addressed in each chapter. Our objective is to equip readers with the skills needed to confidently carry out their own quantitative analysis and be able to interpret empirical results from academic work and practitioner studies in the field of real estate and in other asset classes. Both undergraduate and masters level students, as well as real estate analysts in the professions, will find this book to be essential reading.

In this fourth edition of *New Aspects of Quantity Surveying Practice*, renowned quantity surveying author Duncan Cartlidge reviews the history of the quantity surveyor, examines and reflects on the state of current practice with a concentration on new and innovative practice, and attempts to predict the future direction of quantity surveying practice in the UK and worldwide. The book champions the adaptability and flexibility of the quantity surveyor, whilst covering the hot topics which have emerged since the previous edition's publication, including: the RICS 'Futures' publication; Building Information Modelling (BIM); mergers and acquisitions; a more informed and critical evaluation of the NRM; greater discussion of ethics to reflect on the renewed industry interest; and a new chapter on Dispute Resolution. As these issues create waves throughout the industry whilst it continues its global growth in emerging markets, such reflections on QS practice are now more important than ever. The book is essential reading for all Quantity Surveying students, teachers and professionals. It is particularly suited to undergraduate professional skills courses and non-cognate postgraduate students looking for an up to date understanding of the industry and the role.

IFRSs, the standards set by the International Accounting Standards Board (IASB), are complex and sometimes obscure. Understanding their implications and applying them appropriately requires something special; and that is why International GAAP® 2015 is the essential tool for anyone applying, auditing, interpreting, regulating, studying and teaching international financial reporting. It provides expert interpretation and practical guidance for busy professionals, and includes, in every chapter, detailed analysis of how complex financial reporting problems can be resolved

appropriately and effectively. The International Financial Reporting Group of Ernst & Young includes financial reporting specialists from throughout the world. Complex technical accounting issues are explained clearly in a practical working context that enables immediate understanding of the point at issue. International GAAP® 2015 is the only globally focused work on IFRSs. It is not constrained by any individual country's legislation or financial reporting regulations, and it ensures an international consistency of approach unavailable elsewhere. It shows how difficult practical issues should be approached in the complex, global world of international financial reporting, where IFRSs have become the accepted financial reporting system in more than 100 countries. This integrated approach provides a unique level of authoritative material for anyone involved in preparing, interpreting or auditing company accounts, for regulators, academic researchers and for all students of accountancy. All aspects of the detailed requirements of IFRS are dealt with on a topic-by-topic basis. Each chapter of International GAAP® 2015 deals with a key area of IFRS and has a common structure for ease of use:

- An introduction to the background issues
- An explanation of relevant principles
- A clear exposition of the requirements of IFRS
- A discussion of the implications in practice and possible alternative solutions available
- Worked examples
- Extracts from real company accounts
- A full listing of the required disclosures

This book is an easy-to-read introduction to the principles and methods of building procurement and is aimed at first year students or non-cognate graduates starting out on a career in construction, property, quantity surveying and construction management. The book starts with a brief introduction to the construction industry, including how the industry is organised into contractors, consultants and clients. After a discussion of the historical development of procurement methods, which show a steady shift of risk and responsibility towards the supply side (contractors), the various roles and responsibilities which must be carried out in any project are discussed in detail. The aim is to show the reader that procurement routes are effectively a permutation of these responsibilities between the various parties. The book then explains the various methods by which the contractor(s) are paid, either by pre-negotiated lump sums or by some form of cost reimbursement. Variants of these two systems are also discussed. Several chapters are given to the detailed discussion of the main procurement routes together with the appropriate standard forms of contract designed for that route. More modern developments such as Private Financing and PPP are discussed and a chapter covering emerging trends in procurement completes the book. Containing discussion points, chapter summaries and case studies, this book is ideal for use in a variety of degree programs and courses across the built environment and engineering.

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.

Den Wert einer Immobilie gekonnt beurteilen Neun von zehn Millionären haben ihr Vermögen mit Immobilien und Immobilieninvestments verdient. Mehr als drei Viertel des privaten Vermögens sind weltweit entweder direkt oder indirekt in Immobilien veranlagt. Aber wie wird der Wert einer Immobilie beurteilt? Anhand welcher Parameter man eine Immobilie verlässlich analysieren kann, zeigt Peter Wendlinger in der zweiten Auflage seines Standardwerks für Immobilien-Investoren, Immobilienentwickler, Immobilienbesitzer und Consulter. Er erläutert alle wesentlichen in der Immobilienwirtschaft verwendeten Kennzahlen und Mechanismen und widmet sich in der Praxis häufig vorhandenen Unklarheiten und Abgrenzungsproblemen (Yields, Renditekennzahlen, Einkommensströme, NAVs etc.). Neue Kennzahlen, wie etwa Kosten pro Arbeitsplatz, Debt Tail, Kennzahlen gemäß § 22b BWG, FFO I versus FFO II wurden in die zweite Auflage eingearbeitet. Ein „must have“ für Immobilieninvestoren, -entwickler, -besitzer und Consulter - für Einsteiger, Fortgeschrittene und Experten.

The twelfth edition of this essential valuation textbook reflects the changes in the regulatory and statutory framework for property valuations that have occurred since 2013, as well as presenting the tried and tested principles and practices of real estate valuation. The twelfth edition is up to date as of June 2018 with the latest regulations, statutes and case law, including the RICS Valuation – Global Standards 2017. Its comprehensive coverage of the legal, economic and technical aspects of valuation make this book a core text for most university and college real estate programmes, and it provides students and practitioners with current and relevant guidance on the preparation of valuations for statutory purposes.

Throughout the text, the author team of experienced valuers presents examples of the application of these principles to the everyday problems met in practice. This new edition continues to be of excellent value to both students and practitioners alike as it provides the reader with a clear understanding of the methods and techniques of valuation. The cost manager/quantity surveyor plays a pivotal role in the financial and contract management of construction projects, although the exact nature of the service they provide depends on the project employer's terms of engagement. This can mean acting as consultant in a range of roles including cost and advisory services for budget setting to initiate a project, cost management through the design and construction phases, contract administration and acting as the client side project manager to oversee the entire building process. Cost Management of Construction Projects focusses on the cost manager/quantity surveyor engaged by the project client, and discusses key elements that help drive project success including measurement (based on the New Rules of Measurement published by RICS), procurement, cost planning, contract administration and project cost management. With examples, it provides a thorough guide to the role in the workplace and in the field, directly addressing the day to day situations faced by the cost manager/quantity surveyor. Donald Towey MRICS has extensive experience of the construction industry. His experience began as an estimator with a glass/glazing contractor in Manchester. Following a number of positions with UK contractors he relocated to Australia and has worked with a number of developers and main contractors, as well as doing freelance work. He is currently working in contracts management in Sydney.

Brings together leading thinking on issues of new professional practice and on the future of a sustainable built environment This book focuses on both construction and development issues, and examines how we can transition to a sustainable future by the year 2050—bringing together leading research and practice at building, neighbourhood, and city levels. It deftly analyses how emerging socio-economic, technological, and environmental trends will influence the built environment of the future. The book covers a broad spectrum of interests across the scales of buildings, communities and cities, including how professional practice will need to adapt to these trends. The broader context is provided by an analysis of emergent business models and the changing requirements for expert advice from clients. Sustainable Futures in the Built Environment to 2050: A Foresight Approach to Construction and Development features chapters covering: data and trends, including historical data and UK and international case studies; policies and practice related to the field; current state of scientific understanding; key challenges; key technological advances (including disruptive and systemic technological innovations); change issues and critical uncertainties; and future visions. It provides: A strong conceptual framework based on a 'Foresight' approach Discussion of the key data and trends that underpin each chapter Coverage of both construction and property development Specially commissioned chapters by academics and practitioners A synthesis of the main findings in the book and key insights for the future to 2050 Sustainable Futures in the Built Environment to 2050: A Foresight Approach to Construction and Development is an important book for postgraduate students and researchers, construction, real estate and property development specialists, engineers, planners, architects, foresight and futures studies specialists, and anyone involved in sustainable buildings.

This practical guide to cost studies of buildings has been updated and revised throughout for the 6th edition. New developments in RICS New Rules of Measurement (NRM) are incorporated throughout the book, in addition to new material on e-business, the internet, social media, building information modelling, sustainability, building resilience and carbon estimating. This trusted and easy to use guide to the cost management role: Focuses on the importance of costs of constructing projects during the different phases of the construction process Features learning outcomes and self-assessment questions for each chapter Addresses the requirements of international readers From introductory data on the construction industry and the history of construction economics, to recommended methods for cost analysis and post-contract cost control, Cost Studies of Buildings is an ideal companion for anyone learning about cost management.

This new edition of bestselling textbook Introducing Property Valuation provides students with a comprehensive introduction to the concepts and methods of valuing real estate, helping them to progress successfully from basic principles to a more sophisticated understanding. Taking a practically oriented rather than purely theoretical approach, the textbook equips readers with the skills to undertake their own valuation calculations. Fully updated to reflect recent developments in regulation and practice, experienced tutor and valuer Michael Blackledge demonstrates how the principles can be applied in professional practice in line with the requirements and guidance provided by the International Valuation Standards Council and the Royal Institution of Chartered Surveyors. Online material accompanies the new edition with Q&As and pre-programmed excel spreadsheets enabling students to prepare their own calculations. The five traditional methods of valuation are outlined and the practical applications of the two main approaches, the comparison and investment methods, are fully explored. The use of discounted cash flow and quarterly in advance calculations, topics which are not always adequately covered elsewhere, are also explained. Accessibly written with a full range of worked examples, case studies, clear chapter summaries and extensive further reading suggestions, this book is essential for any student of real estate and its valuation.

The third edition of the Quantity Surveyor's Pocket Book has been updated in line with NRM1, NRM2 and NRM3, and remains a must-have guide for students and qualified practitioners. Its focused coverage of the data, techniques and skills essential to the quantity surveying role makes it an invaluable companion for everything from initial cost advice to the final account stage. Key features and updates included in this new edition: an up-to-date analysis of NRM1, 2 and 3; measurement and estimating examples in NRM2 format; changes in procurement practice; changes in professional development, guidance notes and schemes of work; the increased use of NEC3 form of contract; the impact of BIM. This text includes recommended formats for cost plans, developer's budgets, financial reports, financial statements and final accounts. This is the ideal concise reference for quantity surveyors, project and commercial managers, and students of any of the above. As an industrial process, construction is unique. The procurement processes used to achieve the successful completion of built assets requires a different approach to that adopted in most other industries, due to the design of buildings being bespoke and the sites being geographically varied. The procurement process is central to the success of any construction project and many of the problems which impact construction projects can be traced back to the procurement phase, so a good understanding of the methods of procurement, the development of a procurement strategy and the influence it has on project success is essential for all those working in the industry. Much has changed in the global construction industry since publication of the second edition of Building Procurement, for example the increase in debt burden of many major economies, widespread adoption of Building Information Modelling (BIM) Technology in the industry and the United

Kingdom's exit from the European Union. This new edition has been rewritten to take account of these significant developments, but at its core it continues to provide a critical examination and review of current procurement practices in the UK, continental Europe (including EU procurement procedures), China, Middle East and Sub-Saharan Africa and the USA. It retains its original strong emphasis on the need for clients to establish achievable objectives which reflect the project business case and focuses on development of suitable strategies and management structures to meet those objectives in the current construction climate. Building Procurement will be essential reading for senior undergraduate and postgraduate students of construction management and practitioners working in all areas of construction management. The 27th EG-ICE International Workshop 2020 brings together international experts working at the interface between advanced computing and modern engineering challenges. Many engineering tasks require open-world resolutions to support multi-actor collaboration, coping with approximate models, providing effective engineer-computer interaction, search in multi-dimensional solution spaces, accommodating uncertainty, including specialist domain knowledge, performing sensor-data interpretation and dealing with incomplete knowledge. While results from computer science provide much initial support for resolution, adaptation is unavoidable and most importantly, feedback from addressing engineering challenges drives fundamental computer-science research. Competence and knowledge transfer goes both ways. Der 27. Internationale EG-ICE Workshop 2020 bringt internationale Experten zusammen, die an der Schnittstelle zwischen fortgeschrittener Datenverarbeitung und modernen technischen Herausforderungen arbeiten. Viele ingenieurwissenschaftliche Aufgaben erfordern Open-World-Resolutionen, um die Zusammenarbeit mehrerer Akteure zu unterstützen, mit approximativen Modellen umzugehen, eine effektive Interaktion zwischen Ingenieur und Computer zu ermöglichen, in mehrdimensionalen Lösungsräumen zu suchen, Unsicherheiten zu berücksichtigen, einschließlich fachspezifischen Domänenwissens, Sensordateninterpretation durchzuführen und mit unvollständigem Wissen umzugehen. Während die Ergebnisse aus der Informatik anfänglich viel Unterstützung für die Lösung bieten, ist eine Anpassung unvermeidlich, und am wichtigsten ist, dass das Feedback aus der Bewältigung technischer Herausforderungen die computerwissenschaftliche Grundlagenforschung vorantreibt. Kompetenz und Wissenstransfer gehen in beide Richtungen.

Research shows that high-performing organisations focus on diversity and inclusion (D&I). In any workplace, it is important to both understand and recognise the benefits that having a D&I workforce provides. It is integral to developing people within an organisation, serving clients as best we can, and playing an important leadership role in communities. This book is the first to place D&I at the centre of successful real estate and construction organisations. It provides guidance to, and most importantly, actions for professionals in the sector who want to make D&I an inherent part of the culture of their organisation. This book has been written to bring the sector up to speed with what D&I is all about and how a D&I strategy can be implemented to secure future success. It presents a practical and easy-to-read guide that can help organisations and their leaders engage with and apply this agenda to win the war for talent in real estate and construction. This book is essential reading for all property leaders and professionals working in the real estate and construction sectors. Readers will gain especially from personal reflections on all aspects of diversity by a broad range of people working in the property industry.

Get up to date on the latest FASB, SEC, and AICPA guidelines and best practices Fair Value Measurement provides hands-on guidance and the latest best practices for measuring fair value in financial reporting. The Financial Accounting Standards Board (FASB), the U.S. Securities and Exchange Commission (SEC), and the American Institute of CPAs (AICPA) have all updated their guidelines for practitioners, and this book details the changes from a practical perspective. This new third edition includes a discussion on Private Company Council accounting alternatives for business combinations and impairment testing, with a detailed example of the Market Participant Acquisition Premium (MPAP), including European and Asian examples and expanded discussion of IFRS. Ancillary materials including end-of-chapter questions and answers, PowerPoint slides, and a test bank help you quickly grasp the concepts presented, making this book ideal for both classroom and practitioner use. Fair value measurement guidelines continue to evolve, and this comprehensive reference provides a valuable, up-to-date resource for preparers, auditors, and valuation specialists. Adopt the best practices for implementing the FASB's Topic 820 Learn the latest reporting requirements for fair value measurements Understand accounting alternatives for business combinations Examine the details of MPAP in Europe and Asia Applying fair value measurements to financial statements requires a move away from rules-based standards and toward application of professional judgment. This controversial shift has led to a reliance on valuation specialists, who face their own challenges in applying Topic 820 amidst an economic downturn and recovery, leading to an ever evolving set of best practices. Practitioners must stay up to date, and be aware of the changes as they occur. Fair Value Measurement provides the most recent information and a practical approach to this area of financial reporting.

This volume contains the proceedings of the 11th KES International Conference on Sustainability and Energy in Buildings 2019 (SEB19) held in Budapest, 4th -5th July 2019 organised by KES International in partnership with Cardiff Metropolitan University, Wales, UK. SEB-19 invited contributions on a range of topics related to sustainable buildings and explored innovative themes regarding sustainable energy systems. The aim of the conference was to bring together researchers, and government and industry professionals to discuss the future of energy in buildings, neighbourhoods and cities from a theoretical, practical, implementation and simulation perspective. The conference formed an exciting chance to present, interact, and learn about the latest research and practical developments on the subject. The conference attracted submissions from around the world. Submissions for the Full-Paper Track were subjected to a blind peer-review process. Only the best of these were selected for presentation at the conference and publication in these proceedings. It is intended that this volume provides a useful and informative snapshot of recent research developments in the important and vibrant area of Sustainability in Energy and Buildings.

A new framework for understanding the underpinnings of real estate property value and the role it plays in the larger economy Value in a Changing Built Environment examines the professional foundations on which the valuation exercise and the valuation profession rest. Written by noted experts in the field, the book addresses the often limited understanding of the concept of property value by explaining the intrinsic linkages between economic, environmental, social, and cultural measures and components of property value. The book offers a framework that paves the way towards a more holistic approach to property value. Value in a Changing Built Environment unwraps many of the traditional assumptions that have underpinned market participants' decision making over the last few decades. The authors explore the concept that a blindfold application of valuation theories and approaches adopted from finance is unlikely to be able to cope with the nature of property as an economic and public good. This vital resource: Explains the criteria for making estimates of value that can be applied worldwide Offers an integrated approach to property value and the valuation processes Captures the often illusive intangibles such as environmental performance into valuation Addresses a market failure to account for wider criteria on building performance Value in a Changing Built Environment examines how real estate valuation plays a pivotal role in decision making and how can a new body of knowledge improve the practice in both business and social domains.

The selected papers in this book deal with Building Information Modelling (BIM) in Design, Construction and Operations. Application of BIM throughout the construction industry is progressing at an accelerated rate, with the development of new software tools. BIM has the potential to alter the way in which different specialities interact before, during and after the construction project. BIM carries the data set for a particular asset through its full life cycle which has important consequences for operations and maintenance as well as for infrastructure planning. BIM emergence has been the result of advanced surveying techniques, powerful computer systems, better visualisation tools and new communication infrastructures. The papers included in this book demonstrate the interdisciplinary character of BIM, bringing together contributions from experts in industry, practice and academia.

The updated second edition of the practical guide to international construction contract law The revised second edition of

International Construction Contract Law is a comprehensive book that offers an understanding of the legal and managerial aspects of large international construction projects. This practical resource presents an introduction to the global construction industry, reviews the basics of construction projects and examines the common risks inherent in construction projects. The author — an expert in international construction contracts — puts the focus on FIDIC standard forms and describes their use within various legal systems. This important text contains also a comparison of other common standard forms such as NEC, AIA and VOB, and explains how they are used in a global context. The revised edition of International Construction Contract Law offers additional vignettes on current subjects written by international panel of numerous contributors. Designed to be an accessible resource, the book includes a basic dictionary of construction contract terminology, many sample letters for Claim Management and a wealth of examples and case studies that offer helpful aids for construction practitioners. The second edition of the text includes:

- Updated material in terms of new FIDIC and NEC Forms published in 2017
- Many additional vignettes that clearly exemplify the concepts presented within the text
- Information that is appropriate for a global market, rather than oriented to any particular legal system
- The essential tools that were highlighted the first edition such as sample letters, dictionary and more
- A practical approach to the principles of International Construction Contract Law and construction contract management. Does not get bogged down with detailed legal jargon

Written for consulting engineers, lawyers, clients, developers, contractors and construction managers worldwide, the second edition of International Construction Contract Law offers an essential guide to the legal and managerial aspects of large international construction projects.

Facilities Management (FM) and Corporate Real Estate Management (CREM) are two closely related and relatively new management disciplines with developing international professions and increasing academic attention. Both disciplines have from the outset a strong focus on controlling and reducing cost for real estate, facilities and related services. In recent years there has been a change towards putting more focus on how FM/CREM can add value to the organisation. This book is driven by the need to develop a widely accepted and easily applicable conceptual framework of adding value by FM and CREM. It presents the state of the art of theoretical knowledge and empirical evidence about the impact of buildings and facilities on 12 value parameters and how to manage and measure these values. The findings are connected to a new Value Adding Management model. The book is research based with a focus on guidance to practice. It offers a transdisciplinary approach, integrating academic knowledge from a variety of different fields with practical experience. It also includes 12 interviews with practitioners, shedding light as to how they manage adding value in practice. This is a much needed resource for practitioners, researchers and teachers from the field of FM and CREM, as well as students at both undergraduate and postgraduate level.

Features information on studying at Postgraduate level in the UK, what is involved, what opportunities there are, lists details £75 million of funding available to Postgraduate students.

Real estate represents an increasingly significant global asset class and its distinctive characteristics must be understood by investors and researchers. The Routledge Companion to Real Estate Investment provides an authoritative overview of the real estate asset class. The Companion focuses on the current academic research and its relevance for practical applications. The book is divided into four parts, each containing specially written chapters by international experts in the relevant field. The contributors cover the institutional context for real estate investment, the main players in real estate investment, real estate appraisal and performance measurement, and real estate portfolios and risk management. This Companion provides a comprehensive reference for students, academics and professionals studying, researching and working in real estate investment, finance and economics.

The essential guide to practical IFRS implementation, updated for 2018 International GAAP 2018 is the definitive reference for IFRS application around the world. Written by the expert practitioners at Ernst & Young, this invaluable resource provides both interpretation and practical implementation guidance for anyone applying, auditing, interpreting, regulating, studying, or teaching IFRS. Specific instruction written from a global perspective provides clarity on complex issues, and coverage of the latest changes ensures that you will apply the most current standards appropriately and effectively. Worked examples provide answers at a glance, and hundreds of illustrations from major companies' financial reports demonstrate IFRS implementation and bring technical concepts to life. Countries around the world have adopted the International Financial Reporting Standards (IFRS), and in the US, foreign private issuers are allowed to report under IFRS without reconciling to US GAAP. This book provides the essential information practitioners need to correctly understand and apply these standards, using a clear, consistent approach to resolving global financial reporting issues under IFRS in real-world scenarios. Updated and expanded for 2018, this new edition allows you to:

- Get up to date on the newest amendments and interpretations issued in the past year
- Examine implementation issues caused by widespread adoption of IFRS 9, IFRS 15, and the upcoming adoption of IFRS 16 in 2019
- Understand the new insurance contract standard IFRS 17, which solves the comparison problem of IFRS 4
- Gain clarity and insight on practical matters involved with IFRS implementation

This three-volume set provides the depth and breadth of coverage necessary, with financial instruments covered separately for greater ease of navigation. As the world's most comprehensive reference for IFRS implementation, International GAAP 2018 is the resource no practitioner, regulator, student, or researcher should be without. For further information on the various digital versions which are available for this material please visit www.wileyigaap.com

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