

McMullan Environmental Science In Building

From Rob Sanders, author of the acclaimed *Pride- The Story of Harvey Milk and the Rainbow Flag*, comes this powerful and timeless true story that will allow young readers to discover the rich and dynamic history of the Stonewall Inn and its role in the gay civil rights movement--a movement that continues to this very day. In the early-morning hours of June 28, 1969, the Stonewall Inn was raided by police in New York City. Though the inn had been raided before, that night would be different. It would be the night when empowered members of the LGBTQ+ community--in and around the Stonewall Inn--began to protest and demand their equal rights as citizens of the United States. Movingly narrated by the Stonewall Inn itself, and featuring stirring and dynamic illustrations, *Stonewall- A Building. An Uprising. A Revolution* is an essential and empowering civil rights story that every child deserves to hear.

Titanic. Just the name evokes tales of the doomed ship that have captivated people of all ages for more than 100 years. Early readers will enjoy this exciting account of the world's most famous disaster-at-sea and the discovery of its remains many years later. Step 4 books are perfect for independent readers who are confident with simple sentences and are just starting to tackle paragraphs.

From the bestselling author of *Ecohouse*, this fully revised edition of *Adapting Buildings and Cities for Climate Change* provides unique insights into how we can protect our buildings, cities, infra-structures and lifestyles against risks associated with extreme weather and related social, economic and energy events. Three new chapters present evidence of escalating rates of environmental change. The authors explore the growing urgency for mitigation and adaptation responses that deal with the resulting challenges. Theoretical information sits alongside practical design guidelines, so architects, designers and planners can not only see clearly what problems they face, but also find the solutions they need, in order to respond to power and water supply needs. Considers use of materials, structures, site issues and planning in order to provide design solutions. Examines recent climate events in the US and UK and looks at how architecture was successful or not in preventing building damage. *Adapting Buildings and Cities for Climate Change* is an essential source, not just for architects, engineers and planners facing the challenges of designing our building for a changing climate, but also for everyone involved in their production and use.

This essay collection develops new perspectives on constructions of old age in literary, legal, scientific and periodical cultures of the nineteenth century. Rigorously interdisciplinary, the book places leading researchers of old age in nineteenth-century literature in dialogue with experts from the fields of cultural, legal and social history. It revisits the origins of many modern debates about aging in the nineteenth century -- a period that saw the emergence of cultural and scientific frameworks for the understanding of old age that continue to be influential today. The contributors provide fresh readings of canonical texts by Charles Dickens, Elizabeth Gaskell, Anthony Trollope, Thomas Hardy, Henry James and others. The volume builds momentum in the burgeoning field of aging studies. It argues that the study of old age in the nineteenth century has entered a new and distinctly interdisciplinary phase that is characterized by a set of research interests that are currently shared across a range of disciplines and that explore conceptions of old age in the nineteenth century by privileging, respectively, questions of agency, of place, of gender and sexuality, and of narrative and aesthetic form.

While Americans have been deeply absorbed with the topic of immigration for generations, emigration from the United States has been almost entirely ignored. Following the U.S. Civil War an estimated ten thousand Confederates left the U.S. South, most of them moving to Brazil, where they became known as "Confederados," Portuguese for "Confederates." These Southerners were the largest organized group of white Americans to ever voluntarily emigrate from the United States. In *Confederate Exodus* Alan P. Marcus examines the various factors that motivated this exodus, including the maneuvering of various political leaders, communities, and institutions as well as agro-economic and commercial opportunities in Brazil. Marcus considers Brazilian immigration policies, capitalism, the importance of trade and commerce, and race as salient dimensions. He also provides a new synthesis for interpreting the Confederado story and for understanding the impact of the various stakeholders who encouraged, aided, promoted, financed, and facilitated this broader emigration from the U.S. South.

Alongside its positive impact of providing a global reach, the Internet is prone to a variety of abuses. In the 1990s it was unauthorised access of computers and impairment of the operation of computers through the introduction of viruses and worms that took centre stage. Since then the potential of the Internet for fraudulent activities has been realised by the criminal fraternity and, in recent years, we have seen, for instance, the rise of identity theft and the widespread distribution of offensive and illegal materials. The collection of essays in this volume, while being highly selective, provides a snapshot of the parameters of computer crime, the legal response and discussions surrounding ways to improve the security of cyberspace.

This collection begins with two premises: that our understanding of the nature and forms of creativity in later life remains limited and that dialogue between specialists in gerontology, the arts and humanities can produce the crucial new insights that are so obviously needed. Representing the outcome of ongoing dialogue across the disciplinary divide, the contributions of this volume reflect anew on what we share and how we differ; creating new narratives so as to build an understanding of late-life creativity that goes far beyond the narrow confines of the pervasively received idea of 'late style'. Creativity in Later Life encompasses a range of personal reflections and discussions of the boundaries of creativity, including: Canonical artistic achievements to community art projects Narratives of carers for those living with dementia Analyses of creative theory Through these insightful chapters, the authors consequently offer an understanding of creativity in later life as varied, socialised and - above all - located in the cultural and economic circumstances of the here and now. This title will appeal to academics, practitioners and students in the various gerontological, arts and humanities fields; and to anyone with an interest in the nature of creativity in later life and the forms it takes.

This text aims to meet the needs of students studying building measurement in the early years of quantity surveying and building degree courses. 27 worked examples embracing all the principal building elements are included.

"With the overarching goal of preparing the analysts of tomorrow, *Systems Analysis and Design* offers students a rigorous hands-on introduction to the field with a project-based approach that mirrors the real-world workflow. Core concepts are presented through running cases and examples, bolstered by in-depth explanations and special features that highlight critical points while emphasizing the process of "doing" alongside "learning." As students apply their own work to real-world cases, they develop the essential skills and knowledge base a professional analyst needs while developing an instinct for approach, tools, and methods. Accessible, engaging, and geared toward active learning, this book conveys both essential knowledge and the experience of developing and analyzing systems; with this strong foundation in SAD concepts and applications, students are equipped with a robust and relevant skill set that maps directly to real-world systems analysis projects." -- Provided by publisher.

The representation and experience of embodiment is a central preoccupation of Samuel Beckett's drama, one that he explored through diverse media. McMullan investigates the full range of Beckett's dramatic canon for stage, radio, television and film, including early drama, mimes and unpublished fragments. She examines how Beckett's drama composes and recomposes the body in each medium, and provokes ways of perceiving, conceiving and experiencing embodiment that address wider preoccupations with corporeality, technology and systems of power. McMullan argues that the body in Beckett's drama reveals a radical vulnerability of the flesh, questioning corporeal norms based on perfectible, autonomous or invulnerable bodies, but is also the site of a continual reworking of the self, and of the boundaries between self and other. Beckett's re-imagining of the body presents embodiment as a collaborative performance between past and present, flesh and imagination, self and other, including the spectator / listener.

The COVID-19 pandemic represents an extraordinary inflection point that caught airlines worldwide unprepared, causing CEOs to recalibrate

their business models. This book explains why this unprecedented pandemic is different from the past disruptions experienced by the airline industry during the past 50 years, and what airlines and related businesses now can do to adapt to the dramatically changed marketplace. This book presents two future scenarios: continuous improvements and elastic supply. These are considered in three specific contexts for the rebuilding of the airline business. These contexts, in the order of urgency with respect to change from the status quo, are the following. The first context is for airlines to become better prepared to deal with frequent and deeper disruptions that could be localized or globalized relating to such areas as climate change, geopolitics, and cybersecurity. The second context is to collaborate and integrate within the much broader travel ecosystem, possibly using platforms to innovate on new value systems. The third context, which has always been the case and drives the first two, is for airlines to offer real solutions to people's travel needs, solutions developed with imagination and turbocharged innovation, even as we contemplate new technology airplanes and mobility as a service solutions. This book is recommended reading for all senior-level practitioners of airlines and related businesses, as well as aviation policy makers worldwide.

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)

Bringing together case studies from Ireland, the Netherlands, Canada, Germany and Mexico, this book examines the link between senses of place and senses of time. It suggests that not only do place identities change through time, but imagined pasts also provide resources which the present selects and packages for its own contemporary purposes and for forwarding to imagined futures. The reasons behind the creation of place image are also explored, setting them within political and social contexts. In its three main sections - Heritage in the Creation of Senses of Place; Heritage and Conflicting Identities; and Heritage and the Creation of Senses of Place - the book examines the creation of place identities at the urban, rural, regional and international scales. It questions how senses of place interact with senses of ethnic/cultural identity, what the roles of government, media, residents and tourists are in creating senses of place, and how and why all these variables change through time.

Preschool teachers and early childhood professionals know that storybook reading is important, but they may not know how to maximize its benefits for later reading achievement. This indispensable guide presents research-based techniques for using reading aloud to intentionally and systematically build children's knowledge of print. Simple yet powerful strategies are provided for teaching preschoolers about book and print organization, print meaning, letters, and words, all while sharing engaging, commercially available books. Appendices include a detailed book list and 60 reproducibles that feature activities and prompts keyed to each text.

Sexual Violence on Trial provides a contemporary critical examination of the investigation, prosecution and cultural contexts of sexual violence. It draws on Northern Ireland as a case study, while also drawing on experiences from other jurisdictions across the United Kingdom and island of Ireland. Public and academic debates concerning the high-profile 'Belfast/Rugby Rape Trial' and the subsequent Gillen review of the arrangements to deliver justice in serious sexual offence cases have been mirrored at a global level with movements such as #MeToo and #TimesUp. This book brings together the perspectives of practitioners and academics to discuss contemporary challenges surrounding the societal and legal framing of sexual violence. It examines key aspects of the criminal justice process including the challenges of supporting victims; of responding to a range of forms of sexual violence such as rape, peer abuse, intimate partner violence and forced-to-penetrate cases; as well as alternative perspectives and future reforms. It also considers broader debates including balancing the interests of victims and defendants; the impact of cultural myths and stereotypes; the challenges of the digital age; models of consent; legal representation for victims and anonymity and publicity surrounding trials. Written by leading authorities in the field, Sexual Violence on Trial will be of great interest to students and scholars of Criminology, Law and Sociology.

This book studies the technical basis of the environment which exists in and around buildings. The main considerations are the effects of heat, light and sound within buildings; together with supplies of water and electricity. This edition discusses climatic effects, energy use, sick buildings and other topical subjects.

Evaluating building materials for environmental sustainability is a complex prospect. How do governmental agencies and the design industry actually measure sustainable initiatives and environmental impacts? This book breaks down the technical vocabulary and principles that define environmentally sustainable choices across interior and exterior architectural products to help the reader understand: Material ingredient selection Energy and water use Emissions, including greenhouse gases Human health and toxicity Social accountability assessment This guide explains the structure of green certifications, standards and ecolabels, life cycle assessment, environmental regulations, and more. It presents a snapshot of current trends and future objectives, and a historic timeline for context. It is a comprehensive reference for interior designers, architects, building owners, contractors, and students enrolled in interior design and architecture. .

The updated edition of the authoritative and comprehensive guide to construction practice The revised fourth edition of Barry's Advanced Construction of Buildings expands on the resource that has become a standard text on the construction of buildings. The fourth edition covers the construction of larger-scale buildings (primarily residential, commercial and industrial) constructed with load bearing frames in timber, concrete and steel; supported by chapters on offsite construction, piling, envelopes to framed buildings, fit-out and second fix, lifts and escalators, building pathology, upgrading and demolition. The author covers the functional and performance requirements of the main building elements as well as building efficiency and information on meeting the challenges of limiting the environmental impact of buildings. Each chapter includes new "at a glance" summaries that introduce the basic material giving a good understanding of the main points quickly and easily. The text is fully up to date with the latest building regulations and construction technology. This important resource: Covers design, technology, offsite construction, site assembly and environmental issues of larger-scale buildings including primarily residential, commercial and industrial buildings constructed with load bearing frames Highlights the concept of building efficiency, with better integration of the topics throughout the text Offers new "at a glance" summaries at the beginning of each chapter Is a companion to Barry's Introduction to Construction of Buildings, fourth edition Written for undergraduate students and those working towards similar NQF level 5 and 6 qualifications in building and construction, Barry's Advanced Construction of Buildings is a practical and highly illustrated guide to construction practice. It covers the materials and technologies involved in constructing larger scale buildings.

This popular textbook covers how the built environment and the management of energy relate to the quality of human living-conditions and the environmental performance of buildings. It is the key introductory text for understanding the principles and theories of the environmental science behind construction, and the only text on the market to provide the basic scientific principles of such a broad range of topics. The text covers a range of areas in the field, including climate change, energy management, and sustainability in construction, with an important focus

on contemporary environmental topics such as carbon, lifetime performance and rating schemes. The author is known for his extremely clear, finely crafted text, and the book offers a wealth of excellent worked examples. This text is designed to be useful, at all levels, to students and practitioners of architecture, construction studies, building services, surveying, and environmental science. New to this Edition: - Expansion upon the environmental narrative with coverage of contemporary topics such as carbon, lifetime performance and rating schemes - Additional figures, images and sub-topics in chapters - An updated section on building services to give a broader understanding of modern building services equipment options, specifications and performance implications - Inclusion of a new section which offers commentary on the future of environmental science in building

The Politics of Tragicomedy: Shakespeare and After offers a series of sophisticated and powerful readings of tragicomedy from Shakespeare's late plays to the drama of the Interregnum. Rejecting both the customary chronological span bounded by the years 1603-42 (which presumes dramatic activity stopped with the closing of the theatres) and the negative critical attitudes that have dogged the study of tragicomedy, the essays in this collection examine a series of issues central to the possibility of a politics for the genre. Individual essays offer important contributions to continuing debates over the role of the drama in the years preceding the Civil War, the colonial contexts of *The Tempest*, the political character of Jonson's late plays, and the agency of women as public and theatre actors. The introduction presents a strong challenge to previous definitions of tragicomedy in the English context, and the collection as a whole is characterized by its rejection of absolutist strategies for reading tragicomedy. This collection will prove essential reading for all with an interest in the politics of Renaissance drama; for specialists in the work of Shakespeare, Fletcher, and Jonson; for those interested in genre and dramatic forms; and for historians of early Stuart England.

This book, first published in 1993, is the first full-length analysis of Samuel Beckett's later drama in the context of contemporary critical and performance theory. It employs a close, textual examination of the later plays as a springboard for exploring ideas around authority, gender and the ideology of performance. Recent work in the world of critical theory has suggested new ways of looking at performance practice. McMullan argues that, while contemporary theory can deepen our understanding of Beckett's dramatic practice, his drama places performance in the context of a metaphysical history and a metatheatrical tradition, thereby confronting and provoking some of the central debates in performance studies' engagement with critical theory.

Hate, malice, rage, and enmity: what would Shakespeare's plays be without these demonic, unruly passions? This book studies how the tirades and unrestrained villainy of Shakespeare's art explode the decorum and safety of our sanitized lives and challenge the limits of our selfhood. Everyone knows Shakespeare to be the exemplary poet of love, but how many celebrate his clarifying expressions of hatred? How many of us do not at some time feel that we have come away from his plays transformed by hate and washed clean by savage indignation? Saval fills the great gap in the interpretation of Shakespeare's unsocial feelings. The book asserts that emotions, as Aristotle claims in the *Rhetoric*, are connected to judgments. Under such a view, hatred and rage in Shakespeare cease to be a "blinding" of judgment or a loss of reason, but become claims upon the world that can be evaluated and interpreted. The literary criticism of anger and hate provides an alternative vision of the experience of Shakespeare's theater as an intensification of human experience that takes us far beyond criticism's traditional contexts of character, culture, and ethics. The volume, which is alive to the judgmental character of emotions, transforms the way we see the rancorous passions and the disorderly and disobedient demands of anger and hatred. Above all, it reminds us why Shakespeare is the exemplary creator of that rare yet pleasurable thing: a good hater.

IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

This book studies the techniques of construction technology and services, and the principles of environmental and materials science and their applications. It also studies the nature and the historical development of the built environment together with the roles of people working in the construction industry. This wide range of topics is of practical use to students and practitioners studying and working in building construction, civil engineering, surveying, planning and development. The style of writing is kept simple and supported by a clear explanations, a structured layout, practical examples and diagrams. Includes definitions, checklists and keyword summaries to help students preparing for tests, examinations and assignments.

Covering the essentials of construction contracts, including how the law has developed, the reasoning behind key clauses and how contract law is applied in practice, this is an invaluable guide for students at undergraduate and postgraduate level, as well as for professionals working in the field.

This authoritative and multi-disciplinary book provides architects, lighting specialists, and anyone else working daylight into design, with all the tools needed to incorporate this most fundamental element of architecture. It includes: an overview of current practice of daylighting in architecture and urban planning a review of recent research on daylighting and what this means to the practitioner a global vision of architectural lighting which is linked to the climates of the world and which integrates view, sunlight, diffuse skylight and electric lighting up-to-date tools for design in practice delivery of information in a variety of ways for interdisciplinary readers: graphics, mathematics, text, photographs and in-depth illustrations a clear structure: eleven chapters covering different aspects of lighting, a set of worksheets giving step-by-step examples of calculations and design procedures for use in practice, and a collection of algorithms and equations for reference by specialists and software designers. This book should trigger creative thought. It recognizes that good lighting design needs both knowledge and imagination.

Intelligent buildings provide stimulating environments for people to work and live in. This book brings together a body of the latest knowledge about design, management, technology and sustainability set against the background of developments in the cultural landscapes, which affect those living and working in buildings.

During the past ten years a variety of methods involving mass spectrometry have been developed for the analysis of environmentally important compounds. Much has been accomplished in that period to solve some of the important problems in the field. Growth of this methodology and its accomplishments has reached the point where an individual scientist can no longer have an in-depth knowledge of all the areas involved. We have attempted to provide this in-depth picture to those scientists concerned by having the important topics treated by experts in the subject matter. In order to provide all the relevant material in one volume we begin with the general topics which provide the basic background material necessary to understand the techniques discussed in the in-depth topics. These general chapters are kept brief, containing only the essentials needed by the working scientist to deal with the practical applications. References in these chapters are chosen to permit a more complete study of each chapter. The concept for this book was developed during the activities of two of the editors under a NATO travel grant. These editors gratefully acknowledge this support which made the initial planning of this book possible. The editors would like to thank the individual authors of each chapter for their cooperation and generously giving of their time for this project.

Demands on the construction industry are changing, and it is now virtually essential for environmental management to be considered at all stages of a project. Many construction managers are finding a quantitative approach useful, and this book outlines four quantitative methods which can be applied at different construction stages, and which fit within a comprehensive framework of dynamic Environmental Impact Assessment (EIA). These include: a method to quantitatively evaluate and reduce pollution and hazards levels a method to evaluate the environmental-consciousness of proposed construction plans a method to reduce on-site construction wastes through an incentive reward programme a method to promote C and D waste exchange in the local construction industry. With an experimental case study of the application of these methods, this book delivers a comprehensive review of environmental management issues in construction. With regulatory requirements potentially favouring the quantitative approach, this timely guide ensures that contractors will be able to keep pace with environmental management standards.

Science for Policy Handbook provides advice on how to bring science to the attention of policymakers. This resource is dedicated to researchers and research organizations aiming to achieve policy impacts. The book includes lessons learned along the way, advice on new skills, practices for individual researchers, elements necessary for institutional change, and knowledge areas and processes in which to invest. It puts co-creation at the centre of Science for Policy 2.0, a more integrated model of knowledge-policy relationship. Covers the vital area of science for policymaking Includes contributions from leading practitioners from the Joint Research Centre/European Commission Provides key skills based on the science-policy interface needed for effective evidence-informed policymaking Presents processes of knowledge production relevant for a more holistic science-policy relationship, along with the types of knowledge that are useful in policymaking

Scientists, philosophers and theologians have wrestled repeatedly with the question of whether knowledge is similar or different in their various understandings of the world and God. Although agreement is still elusive, the epistemology of critical realism, associated with Ian Barbour, John Polkinghorne and Arthur Peacocke, remains widely credible. Relying on the lifetime work of philosopher Ernan McMullin, this book expands our understanding of critical realism beyond a permanent stand-off between the subjective and objective, whether in science or theology. Critical realism illuminates the subject and the objectively known simultaneously. Responding to criticisms made against it, this book defends critical realism in science and theology with a specific role to play in our understanding of God.

This book examines the future of construction and materiality in architecture whilst considering aspects of structure construction and sustainability.

This book explores the concept of "occupation" in disability well beyond traditional clinical formulations of disability: it considers disability not in terms of pathology or impairment, but as a range of unique social identities and experiences that are shaped by visible or invisible diagnoses/impairments, socio-cultural perceptions and environmental barriers and offers innovative ideas on how to apply theoretical training to real world contexts. Inspired by disability justice and "Disability Occupy Wall Street / Decolonize Disability" movements in the US and related movements abroad, this book builds on politically engaged critical approaches to disability that intersect occupational therapy, disability studies and anthropology. "Occupying Disability" will provide a discursive space where the concepts of disability, culture and occupation meet critical theory, activism and the creative arts. The concept of "occupation" is intentionally a moving target in this book. Some chapters discuss occupying spaces as a form of protest or alternatively, protesting against territorial occupations. Others present occupations as framed or problematized within the fields of occupational therapy and occupational science and anthropology as engagement in meaningful activities. The contributing authors come from a variety of professional, academic and activist backgrounds to include perspectives from theory, practice and experiences of disability. Emergent themes include: all the permutations of the concept of "occupy," disability justice/decolonization, marginalization and minoritization, technology, struggle, creativity and change. This book will engage clinicians, social scientists, activists and artists in dialogues about disability as a theoretical construct and lived experience.

A long established text that aims to meet the needs of students studying building measurement in the early years of quantity surveying and building degree courses. It contains a careful selection of 28 worked examples embracing all the principal building elements and including alternative constructional methods to illustrate a range of approaches.

Volume 14 addresses the central issue of entrepreneurial action: while many factors are important to the phenomenon of entrepreneurship, entrepreneurship does not happen until someone takes action!

The Routledge Handbook of Philosophies and Theories of Early Childhood Education and Care brings together leading writers in the field to provide a much-needed, authoritative guide to the major philosophies and theories which have shaped approaches to Early Childhood Education and Care. Providing a detailed overview of key concepts, debates and practical challenges, the handbook combines theoretical acumen with specific examples to show how philosophies and theories have evolved over the centuries and their impact on policy and society. It examines the ways in which societies define and make sense of childhood and the factors that influence the development of philosophies about young children and their learning. The collection offers an insight into the key theorists and considers how the economics and politics of their time and personal ideology influenced their ideas about childhood. It looks at curricula and provision which have proved inspirational and how these have impacted on policy and practice in different parts of the world. The handbook also explores alternative and perhaps less familiar philosophies and ideas about babies and young children, their place in society and the ways in which it might be appropriate to educate them Bringing together specially commissioned pieces by a range of international authors, this handbook will enable academics, research students, practitioners and policy-makers to reflect on their own understandings and approaches, as well as the assumptions made in their own and other societies.

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