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Quay Walls, Second Edition
Hybrid Electric Vehicles
The Last Journals of David Livingstone, in Central Africa
Assemblers and Loaders
An Introduction to Ethnic Minority Education in China
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HAILIE ASHTYN

Ultra High Performance Concrete (UHPC) Springer Science & Business Media

Selected chapters from the German concrete yearbook are now being published in the new English "Beton-Kalender Series" for the benefit of an international audience. Since it was founded in 1906, the Ernst & Sohn "Beton-Kalender" has been supporting developments in reinforced and prestressed concrete. The aim was to publish a yearbook to reflect progress in "ferro-concrete" structures until - as the book's first editor, Fritz von Emperger (1862-1942), expressed it - the "tempestuous development" in

this form of construction came to an end. However, the "Beton-Kalender" quickly became the chosen work of reference for civil and structural engineers, and apart from the years 1945-1950 has been published annually ever since. Ultra high performance concrete (UHPC) is a milestone in concrete technology and application. It permits the construction of both more slender and more durable concrete structures with a prolonged service life and thus improved sustainability. This book is a comprehensive overview of UHPC - from the principles behind its production and its mechanical properties to design and detailing aspects. The focus is on the material behaviour of steel fibre-reinforced UHPC. Numerical modelling and detailing of the connections with reinforced concrete elements are featured as well. Numerous examples worldwide - bridges, columns, facades and roofs - are

the basis for additional explanations about the benefits of UHPC and how it helps to realise several architectural requirements. The authors are extensively involved in the testing, design, construction and monitoring of UHPC structures. What they provide here is therefore a unique synopsis of the state of the art with a view to practical applications.

E-commerce User Experience Academic Press

Governments are setting challenging targets to increase the production of energy and transport fuel from sustainable sources. The emphasis is increasingly on renewable sources including wind, solar, geothermal, biomass based biofuel, photovoltaics or energy recovery from waste. What are the environmental consequences of adopting these other sources? How do these various sources compare to each other? Life Cycle Assessment of Renewable Energy Sources tries to answer these questions based on the universally adopted method of Life Cycle Assessment (LCA). This book introduces the concept and importance of LCA in the framework of renewable energy sources and discusses the key issues in conducting their LCA. This is followed by an in-depth discussion of LCA for some of the most common bioenergy sources such as agricultural production systems for biogas and bioethanol, biogas from grass, biodiesel from palm oil, biodiesel from used cooking oil and animal fat, Jatropha biodiesel, lignocellulosic bioethanol, ethanol from cassava and sugarcane molasses, residential photovoltaic systems, wind energy, microalgal biodiesel, biohydrogen and biomethane. Through real examples, the versatility of LCA is well emphasized. Written by experts all over the globe, the book is a cornucopia of information on LCA of bioenergy systems and provides a platform for

stimulation of new ideas and thoughts. The book is targeted at practitioners of LCA and will become a useful tool for researchers working on different aspects of bioenergy.

Satellite Towns in Neo-metropolitan Development in India Elsevier

Railway Engineering has been specially designed for undergraduate students of civil engineering. From fundamental topics to modern technological developments, the book covers all aspects of the railways including various modernization plans covering tracks, locomotives, and rolling stock. Important statistical data about the Indian Railways and other useful information have also been incorporated to make the coverage comprehensive. A number of illustrative examples supplement text to aid easy understanding of design methods discussed. The book should also serve the need of students of polytechnics and those appearing of the AMIE examination and would also be a ready reference for railway professionals.

Maths Frameworking John Wiley & Sons

Maths Frameworking is a dynamic scheme written to support the Framework for Teaching Mathematics: Years 7, 8 & 9. It offers complete differentiation across Key Stage 3 with a range of features to support teachers and pupils.

Unit Operations in Food Processing World Scientific Publishing Company

This long awaited second edition of a popular textbook has a simple and direct approach to the diversity and complexity of food processing. It explains the principles of operations and illustrates them by individual processes. The new edition has been enlarged to include sections on freezing, drying,

psychrometry, and a completely new section on mechanical refrigeration. All the units have been converted to SI measure. Each chapter contains unworked examples to help the student gain a grasp of the subject, and although primarily intended for the student food technologist or process engineer, this book will also be useful to technical workers in the food industry

Fundamentals of Food Process Engineering CRC Press

Recoge: Composition and quality of public expenditures in the EU - Improving the efficiency of public expenditure - Growth-enhancing and high-quality expenditure in the EU budgetary framework - A way forward for the assessment of quality of public expenditures in the EU.

The Veiled Suite Eisenbrauns

Exploring the design and implementation of assemblers and loaders, this volume describes such important concepts as absolute and relocatable object files, assembler features, the listing file, the properties of assemblers and loaders, and three special assembler types.

Reports of the the Commissioners Appointed in 1868 to Inquire Into the Best Means of Preventing the Pollution of Rivers HarperCollins UK

View a Panopto recording of textbook author Daren Starnes detailing ten reasons the new fourth edition of *The Practice of Statistics* is the right choice for the AP* Statistics course. Watch instructor video reviews here. Available for your Fall 2010 Course! Request Sample Chapter 3 here. The most thorough and exciting revision to date, *The Practice of Statistics 4e* is a text that fits all AP* Statistics classrooms. Authors Starnes, Yates and Moore drew upon the guidance of some of the most notable

names in AP* and their students to create a text that fits today's classroom. The new edition comes complete with new pedagogical changes, including built-in AP* testing, four-step examples, section summaries, "Check Your Understanding" boxes and more. *The Practice of Statistics* long stands as the only high school statistics textbook that directly reflects the College Board course description for AP* Statistics. Combining the data analysis approach with the power of technology, innovative pedagogy, and a number of new features, the fourth edition will provide you and your students with the most effective text for learning statistics and succeeding on the AP* Exam.

System Forensics, Investigation and Response Springer Nature

How can a company that has never turned a profit have a multibillion dollar valuation? Why do some start-ups attract large investments while others do not? Aswath Damodaran, finance professor and experienced investor, argues that the power of story drives corporate value, adding substance to numbers and persuading even cautious investors to take risks. In business, there are the storytellers who spin compelling narratives and the number-crunchers who construct meaningful models and accounts. Both are essential to success, but only by combining the two, Damodaran argues, can a business deliver and sustain value. Through a range of case studies, *Narrative and Numbers* describes how storytellers can better incorporate and narrate numbers and how number-crunchers can calculate more imaginative models that withstand scrutiny. Damodaran considers Uber's debut and how narrative is key to understanding different valuations. He investigates why Twitter and Facebook were valued in the billions of dollars at their public offerings, and

why one (Twitter) has stagnated while the other (Facebook) has grown. Damodaran also looks at more established business models such as Apple and Amazon to demonstrate how a company's history can both enrich and constrain its narrative. And through Vale, a global Brazil-based mining company, he shows the influence of external narrative, and how country, commodity, and currency can shape a company's story. Narrative and Numbers reveals the benefits, challenges, and pitfalls of weaving narratives around numbers and how one can best test a story's plausibility.

Solar Energy Engineering

Year 8 Practice Book 1 is for students working at levels 4-5, helping them to move easily from level 4 to level 5 and beyond. With hundreds of levelled practice questions corresponding to topics covered in Year 8 Pupil Book 1, it is an ideal resource for extra class work, homework and for use in catch-up or summer classes.

Pediatric Primary Care Macmillan

The arrival, and continuing evolution, of high quality 3D objects has been made possible by recent progress in 3D scanner acquisition and 3D graphics rendering. With this increasing quality comes a corresponding increase in the size and complexity of the data files and the necessity for advances in compression techniques. Effective indexing to facilitate the retrieval of the 3D data is then required to efficiently store, search and recapture the objects that have been compressed. The application of 3D images in fields such as communications, medicine and the military also calls for copyright protection, or watermarking, to secure the data for transmission. Written by

expert contributors, this timely text brings together the three important and complementary topics of compression, retrieval and watermarking techniques for 3D objects. 3D object processing applications are developing rapidly and this book tackles the challenges and opportunities presented, focusing on the secure transmission, sharing and searching of 3D objects on networks, and includes: an introduction to the commonly used 3D representation schemes; the characteristics, advantages and limitations of polygonal meshes, surface based models and volumetric models; 3D compression techniques; the 3D coding and decoding schemes for reducing the size of 3D data to reduce transmission time and minimize distortion; state of the art responses to the intrinsic challenges of building a 3D-model search engine, considering view-based, structural and full-3D approaches; watermarking techniques for ensuring intellectual property protection and content security without altering the visual quality of the 3D object. 3D Object Processing: Compression, Indexing and Watermarking is an invaluable resource for graduate students and researchers working in signal and image processing, computer aided design, animation and imaging systems. Practising engineers who want to expand their knowledge of 3D video objects, including data compression, indexing, security, and copyrighting of information, will also find this book of great use.

Reports from Committees Springer Nature

This volume is a collection of essays, which exemplify the range and diversity of work currently being undertaken on the regional landscapes of the British Bronze Age and the progress which has been made in both theoretical and interpretive debate. Together

these papers reflect the vibrancy of current research and promote a closer marriage of landscape, site and material culture studies. CONTENTS: Settlement in Scotland during the Second Millennium BC (P Ashmore) ; Place and Space in the Cambridgeshire Bronze Age (T Malim) ; Exploring Bronze Age Norfolk: Longham and Bittering (T Ashwin) ; Ritual Activity at the Foot of the Gog Magog Hills, Cambridge (M Hinman) ; The Bronze Age of Manchester Airport: Runway 2 (D Garner) ; Place and Memory in Bronze Age Wessex (D Field) ; Bronze Age Agricultural Intensification in the Thames Valley and Estuary (D Yates) ; The 'Community of Builders': The Barleycroft Post Alignments (C Evans and M Knight) ; 'Breaking New Ground': Land Tenure and Fieldstone Clearance during the Bronze Age (R Johnston) ; Tenure and Territoriality in the British Bronze Age: A Question of Varying Social and Geographical Scales (W Kitchen) ; A Later Bronze Age Landscape on the Avon Levels: Settlement, Shelters and Saltmarsh at Cabot Park (M Locock) ; Reading Business Park: The Results of Phases 1 and 2 (A Brossler) ; Leaving Home in the Cornish Bronze Age: Insights into Planned Abandonment Processes (J A Nowakowski) ; Body Metaphors and Technologies of Transformation in the English Middle and Late Bronze Age (J Bruck) ; A Time and a Place for Bronze (M Barber) ; Firstly, Let's get Rid of Ritual (C Pendleton) ; Mining and Prospection for Metals in Early Bronze Age Britain - Making Claims within the Archaeological Landscape (S Timberlake) ; The Times, They are a Changin': Experiencing Continuity and Development in the Early Bronze Age Funerary Rituals of Southwestern Britain (M A Owoc) ; Round Barrows in a Circular World: Monumentalising Landscapes in Early Bronze Age Wessex (A Watson) ; Enduring Images?

Image Production and Memory in Earlier Bronze Age Scotland (A Jones) ; Afterward: Back to the Bronze Age
Radio Navigational Aids John Wiley & Sons
 Chinese ethnic minority education is virtually unknown to readers outside China. Based on extensive qualitative and quantitative data, this book examines the basic education policies for ethnic minorities in China and describes policy implementation. It also discusses successful case studies, restrictive factors, existing gaps and challenges as well as the associated problems, highlighting teacher training and the role of policymakers. The authors propose recommendations to address the challenges faced by Chinese education, and to develop and implement culturally sensitive basic education for ethnic minorities in the country. Offering a rare glimpse inside minority schools in different parts of the country, the book appeals to educators, scholars, decision-makers and anyone interested in diversity education (intercultural, multicultural, global education).
Narrative and Numbers Collins Educational
 A number of thermodynamic books claiming to be original in both presentation and approach have been published. However, thermodynamics is still a confusing subject for uninitiated students and an "easy-to-forget" one for graduate engineers. In order to solve these problems, this computer aided learning package — textbook and CD-ROM — takes a new approach. This package is unique and beneficial in that it simulates a classroom lecture: it actually writes important equations and concepts on a virtual board, underlines, draws circles, places ticks to emphasise important points, draws arrows to indicate relationships, uses colours for visual effect, erases some parts to write new lines,

and even repeats some parts of the lesson to stress their importance. This realistic simulation is made possible by the employment of the multimedia capabilities of the modern-day computer. Readers are not just passively presented with thermodynamics, they can also interactively select and repeat any particular topic of interest as many times as they want. This flexibility allows readers to choose their own pace of presentation. This complementary set is in many important respects better than the books that are currently available on the subject.

Railway Engineering Springer

The Raunds Area Project investigated more than 20 Neolithic and Bronze Age monuments in the Nene Valley. From c 5000 BC to the early 1st millennium cal BC a succession of ritual mounds and burial mounds were built as settlement along the valley sides increased and woodland was cleared. Starting as a regular stopping-place for flint knapping and domestic tasks, first the Long Mound, and then Long Barrow, the north part of the Turf Mound and the Avenue were built in the 5th millennium BC. With the addition of the Long Enclosure, the Causewayed Ring Ditch, and the Southern Enclosure, there was a chain of five or six diverse monuments stretched along the river bank by c 3000 cal BC. Later, a timber platform, the Riverside Structure, was built and the focus of ceremonial activity shifted to the Cotton 'Henge', two concentric ditches on the occupied valley side. From c 2200 cal BC monument building accelerated and included the Segmented Ditch Circle and at least 20 round barrows, almost all containing burials, at first inhumations, then cremations down to c 1000 cal BC, by which time two overlapping systems of

paddocks and droveways had been laid out. Finally, the terrace began to be settled when these had gone out of use, in the early 1st millennium cal BC. This second volume of the Raunds Area Project, published as a CD, comprises the detailed reports on the environmental archaeology, artefact studies, geophysics and chronology.

Elementary Statistical Methods Columbia University Press
Why attractive things work better and other crucial insights into human-centered design Emotions are inseparable from how we humans think, choose, and act. In Emotional Design, cognitive scientist Don Norman shows how the principles of human psychology apply to the invention and design of new technologies and products. In The Design of Everyday Things, Norman made the definitive case for human-centered design, showing that good design demanded that the user's must take precedence over a designer's aesthetic if anything, from light switches to airplanes, was going to work as the user needed. In this book, he takes his thinking several steps farther, showing that successful design must incorporate not just what users need, but must address our minds by attending to our visceral reactions, to our behavioral choices, and to the stories we want the things in our lives to tell others about ourselves. Good human-centered design isn't just about making effective tools that are straightforward to use; it's about making affective tools that mesh well with our emotions and help us express our identities and support our social lives. From roller coasters to robots, sports cars to smart phones, attractive things work better. Whether designer or consumer, user or inventor, this book is the definitive guide to making Norman's insights work for you.

Ultra-High Performance Concrete UHPC Prentice Hall

Ten years after the publication of the first edition of *Fundamentals of Food Process Engineering*, there have been significant changes in both food science education and the food industry itself. Students now in the food science curriculum are generally better prepared mathematically than their counterparts two decades ago. The food science curriculum in most schools in the United States has split into science and business options, with students in the science option following the Institute of Food Technologists' minimum requirements. The minimum requirements include the food engineering course, thus students enrolled in food engineering are generally better than average, and can be challenged with more rigor in the course material. The food industry itself has changed. Traditionally, the food industry has been primarily involved in the canning and freezing of agricultural commodities, and a company's operations generally remain within a single commodity. Now, the industry is becoming more diversified, with many companies involved in operations involving more than one type of commodity. A number of formulated food products are now made where the commodity connection becomes obscure. The ability to solve problems is a valued asset in a technologist, and often, solving problems involves nothing more than applying principles learned in other areas to the problem at hand. A principle that may have been commonly used with one commodity may also be applied to another commodity to produce unique products.

Report from the Select Committee on Audulteration of Food Act, 1872 Springer Science & Business Media

This book discusses population growth and the resultant

problems, and highlights the need for immediate action to develop a set of planned satellite towns around Indian megacities to reduce their population densities and activity concentrations. It addresses problems like unplanned spatial expansion, over-concentration of populations, unmanageable situations in industrial growth, and poor traffic management, concluding that only megacities and their satellites, when planned properly, can together mitigate the urgent problem of urban concentration in and around the megacities. Identifying the general problems, the book develops a quantitative and spatially fitting regional allocation model of population and economic activities. It also offers a policy-based planned program of development for the selected megacities in India along with their satellites and fringe areas to ensure a healthy, balanced and prospective urban scenario for India in the coming decades.

Emotional Design Penguin Books India

This completely revised and rewritten second edition begins by examining the fundamentals of system forensics, such as what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Finally, it explores emerging technologies as well as future directions of this interesting and cutting-edge field. New and key features include: examination of the fundamentals of system forensics; discussion of computer crimes and forensic methods; incorporation of real-world examples and engaging cases. --
The Quality of Public Expenditures in the EU Basic Books

Pediatric Primary Care: Practice Guidelines for Nurses, Second Edition is a convenient reference that presents the latest information on nutrition, growth and development, common childhood disorders, and well child care. Divided into three sections, the first includes history taking with a family seen for the first time, interval history, newborn rounding, and breastfeeding. Organized by body system and written in outline format, the second section helps readers locate information quickly. The third section explores medications used in pediatrics

with common uses, availability, adverse effects, and nursing implications. In addition, the appendices offer useful growth charts, BMI, asthma guidelines, and fluoride dosing. Providing comprehensive coverage of diagnostic methods, management, and treatment modalities, Pediatric Primary Care: Practice Guidelines for Nurses, Second Edition is the ideal resource for nurse practitioners (NP), students, and nurses starting out in practice.