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**BIM in Small Practices** - Robert Klaschka 2019-08-14

BIM (Building Information Modelling) is revolutionising architecture and construction, as more and more practices are realising the benefits it brings to design, sustainability, and construction. There is a perception that BIM is a process best left to large practices - requiring significant resources and the ability to invest heavily in IT. This book overturns that misconception: introducing a selection of inspirational BIM-enabled projects by small architectural practices. Full of practical tips and hard-won experience, *BIM in Small Practices: Illustrated Case Studies* includes pithy contributions from industry experts who identify and explore the important issues for small practices including how to get your practice started with BIM, and how it aligns to the new Plan of Work. This landmark publication will motivate small practices who are considering taking those first steps towards implementing BIM.

**Molecular Biology of Cancer** - Lauren Pecorino 2012-04-26

Demonstrating how the malfunction of normal molecular pathways and components can lead to cancer, this text explores how our understanding of these defective mechanisms can be harnessed to develop new targeted therapeutic agents.

**Regulations for the safe transport of radioactive materials** - 1970

**Code of Practice for Project Management for Construction and Development** - CIOB (The Chartered Institute of Building) 2014-07-23

The first edition of the Code of Practice for Project Management for Construction and Development, published in 1992, was groundbreaking in many ways. Now in its fifth edition, prepared by a multi-institute task force coordinated by the CIOB and including representatives from RICS, RIBA, ICE, APM and CIC, it continues to be the authoritative guide and reference to the principles and practice of project management in construction and development. Good project management in construction relies on balancing the key constraints of time, quality and cost in the context of building functionality and the requirements for sustainability within the built environment. Thoroughly updated and restructured to reflect the challenges that the industry faces today, this edition continues to drive forward the practice of construction project management. The principles of strategic planning, detailed programming and monitoring, resource allocation and effective risk management, widely used on projects of all sizes and complexity, are all fully covered. The integration of Building Information Modelling at each stage of the project life is a feature of this edition. In addition, the impact of trends and developments such as the internationalisation of construction projects and the drive for sustainability are discussed in context. Code of Practice will be of particular value to clients, project management professionals and students of construction, as well as to the wider construction and development industries. Much of the information will also be relevant to project management professionals operating in other commercial spheres.

**Access to Knowledge in Africa** - Chris Armstrong 2010

"This book is a result of an international and interdisciplinary research project known as the African Copyright and Access to Knowledge (ACA2K) project"--Acknowledgments.

**Handbook of Conflict Analysis and Resolution** - Dennis J.D. Sandole 2008-07-31

This major new Handbook is a collection of work from leading scholars in the Conflict Analysis and Resolution (CAR) field. The central theme is the value of interdisciplinary approaches to the analysis and

resolution of conflicts.

**Model course on safety of journalists** - Foley, Michael 2017-06-19

**Cryocoolers** - Milind D. Atrey 2020-02-24

This book serves as an introduction to cryocooler technology and describes the principle applications of cryocoolers across a broad range of fields. It covers the specific requirements of these applications, and describes how the advantages and disadvantages of different cryocooler systems are taken into consideration. For example, Stirling coolers tend to be used only in space applications because of their high coefficient of performance, low weight and proven reliability, whilst Gifford-McMahon coolers are used for ground applications, such as in cryopumps and MRI shield cooling applications. Joule-Thomson cryocoolers are used in missile technology because of the fast cool down requirements. The cryocooler field is fast developing and the number of applications are growing because of the increasing costs of the cryogens such as Helium and Neon. The first chapter of the book introduces the different types of cryocoolers, their classification, working principles, and their design aspects, and briefly mentions some of the applications of these systems. This introductory chapter is followed by a number of contributions from prominent international researchers, each describing a specific field of application, the cooling requirements and the cryocooler systems employed. These areas of application include gas liquefaction, space technology, medical science, dilution refrigerators, missile systems, and physics research including particle accelerators. Each chapter describes the cooling requirements based on the end use, the approximate cooling load calculations, the criteria for cryocooler selection, the arrangement for cryocooler placement, the connection of the cooler to the object to be cooled, and includes genuine case studies. Intended primarily for researchers working on cryocoolers, the book will also serve as an introduction to cryocooler technology for students, and a useful reference for those using cryocooler systems in any area of application.

**Information Sources in Patents** - Stephen Adams 2006-01-01

The aim of each volume of this series Guides to Information Sources is to reduce the time which needs to be spent on patient searching and to recommend the best starting point and sources most likely to yield the desired information. The criteria for selection provide a way into a subject to those new to the field and assists in identifying major new or possibly unexplored sources to those who already have some acquaintance with it. The series attempts to achieve evaluation through a careful selection of sources and through the comments provided on those sources.

**Management Handbook for UN Field Missions** - Adam C. Smith 2012

**The Energy and Security Nexus: A Strategic Dilemma (Enlarged Edition)** - Carolyn W. Pumphrey

**Asian Strategic Review 2017** - Jayant Prasad 2018

The focus of Asian Strategic Review 2017 is on tracing the contours of the current energy markets, the policies adopted by some of the key nations in their quest to enhance their energy security, and the challenges that are likely to face in the future.

**Maritime Logistics** - Dong-Wook Song 2015-04-03

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. At the cutting edge in its assessment of the industry, *Maritime Logistics* covers the whole scope of maritime logistics and examines latest logistical developments within the port and shipping industry. With a range of new international contributors, this new edition has been thoroughly revised and updated. There are new chapters on port centric logistics, hinterland logistics and global supply chains, maritime transport and logistics as a trade facilitator, and future trends and developments. Written by a team of international experts with over fifty years' experience in the field, *Maritime Logistics* provides a truly global perspective. The book covers everything that students of logistics, as well as those working within the industry, need to know about maritime logistics, including shipping lines, containers, tankers, dry bulk, port-centric logistics, and much more.

**Modern Architecture in Africa** - Antoni S. Folkers 2019-07-22

This book offers unique insights into modern African architecture, influenced by modern European architecture, and at the same time a natural successor to existing site-specific and traditional architecture. It brings together the worlds of traditional site-specific architecture with the Modernist Project in Africa, which to date have only been considered in isolation. The book covers the four architectural disciplines: urban planning, building technology, building physics, and conservation. It includes an introduction with a historical outline and an analysis and comparison of a number of projects in various countries in Africa. On the basis of examples drawn from practice, the author documents and describes the hybrid architectural forms that have emerged from the confrontation and fusion with (pre)modern Western architecture and urban planning, and in so doing he also narrates the history of African architecture.

U.S. Marine Operations in Korea, 1950-1953 - United States. Marine Corps 1955

**Handbook of Diesel Engines** - Klaus Mollenhauer 2010-06-22

This machine is destined to completely revolutionize cylinder diesel engine up through large low speed t-engine engineering and replace everything that exists. stroke diesel engines. An appendix lists the most (From Rudolf Diesel's letter of October 2, 1892 to the important standards and regulations for diesel engines. publisher Julius Springer. ) Further development of diesel engines as economiz- Although Diesel's stated goal has never been fully ing, clean, powerful and convenient drives for road and achievable of course, the diesel engine indeed revolu- nonroad use has proceeded quite dynamically in the tionized drive systems. This handbook documents the last twenty years in particular. In light of limited oil current state of diesel engine engineering and technol- reserves and the discussion of predicted climate ogy. The impetus to publish a Handbook of Diesel change, development work continues to concentrate Engines grew out of ruminations on Rudolf Diesel's on reducing fuel consumption and utilizing alternative transformation of his idea for a rational heat engine fuels while keeping exhaust as clean as possible as well into reality more than 100 years ago. Once the patent as further increasing diesel engine power density and was filed in 1892 and work on his engine commenced enhancing operating performance.

**Offsite Architecture** - Ryan E. Smith 2017-03-16

Architects have been intrigued by prefabricated construction since the early twentieth century. Recent advances in design, engineering and manufacturing processes have led to a significant expansion in the use of pre-assembled components, which are fitted to finished structures on site. Collectively, such processes are becoming known as "offsite construction." A ground-breaking text, *Offsite Architecture* establishes the current - and future - state of thinking in this field. A range of the most highly regarded thinkers and practitioners from around the globe share their ideas and practical findings on offsite prefabrication, examining theory and practice, opportunities and challenges, successes and failures. A timely response to the growing interest in this method, the book provides the fundamental basis for a critical, reflective approach to offsite architecture. Contributions from both academics and professionals make *Offsite Architecture* required reading for practitioners as well as students taking courses in architecture, prefabrication, construction and engineering.

The ONS Productivity Handbook: A Statistical Overview and Guide - Great Britain. Office for National Statistics 2007-07-16

ONS Productivity Handbook: a Statistical Overview and Guide examines the importance and relevance of economic productivity and serves as a reference on the subject. Areas covered include productivity analysis within various sectors and at firm level as well as measures of labour and capital inputs.

Industrial Network Security - Eric D. Knapp 2014-12-09

As the sophistication of cyber-attacks increases, understanding how to defend critical infrastructure systems—energy production, water, gas, and other vital systems—becomes more important, and heavily mandated. *Industrial Network Security, Second Edition* arms you with the knowledge you need to understand the vulnerabilities of these distributed supervisory and control systems. The book examines the unique protocols and applications that are the foundation of industrial control systems, and provides clear guidelines for their protection. This how-to guide gives you thorough understanding of the unique challenges facing critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security implementation. All-new real-world examples of attacks against control systems, and more diagrams of systems Expanded coverage of protocols such as 61850, Ethernet/IP, CIP, ISA-99, and the evolution to IEC62443 Expanded coverage of Smart Grid security New coverage of signature-based detection, exploit-based vs. vulnerability-based detection, and signature reverse engineering

Searching for Extraterrestrial Intelligence - H. Paul Shuch 2011-02-14

This book is a collection of essays written by the very scientists and engineers who have led, and continue to lead, the scientific quest known as SETI, the search for extraterrestrial intelligence. Divided into three parts, the first section, 'The Spirit of SETI Past', written by the surviving pioneers of this then emerging discipline, reviews the major projects undertaken during the first 50 years of SETI science and the results of that research. In the second section, 'The Spirit of SETI Present', the present-day science and technology is discussed in detail, providing the technical background to contemporary SETI instruments, experiments, and analytical techniques, including the processing of the received signals to extract potential alien communications. In the third and final section, 'The Spirit of SETI Future', the book looks ahead to the possible directions that SETI will take in the next 50 years, addressing such important topics as interstellar message construction, the risks and assumptions of interstellar communications, when we might make contact, what aliens might look like and what is likely to happen in the aftermath of such a contact.

Vocational Education and Training in Southern Africa - Salim Akoojee 2005

Publisher Description

Energizing India - Suman K. Bery 2017-01-31

India's energy future -- Infrastructure for an integrated energy system -- Technology for a productive energy system -- Pricing for an efficient energy system -- India in global energy markets -- Politics and policies for a resilient and equitable energy system

**Ductile-iron Pipe and Fittings** - American Water Works Association 2003

Provides practical information about the design and installation of ductile iron pressure piping systems for water utilities. The 12 chapters outlines the procedure for calculating pipe wall thickness and class, and describes the types of joints, fittings, valves, linings, and corrosion protection a

**World Energy Outlook 2008** - International Energy Agency 2008

"World Energy Outlook 2008 draws on the experience of another turbulent year in energy markets to provide new energy projections to 2030, region by region and fuel by fuel, incorporating the latest data and policies. "

Environmental Management in Oil and Gas Exploration and Production - Oil Industry International Exploration and Production Forum 1997

High Tension - Michael McCarthy 2004

High Tension lends an entirely different dimension to the history of the great hydro-electric Shannon Scheme of 1925-1929. Hitherto the story has been told from an engineering viewpoint. Now historian Michael McCarthy brings new perspectives to bear on the Irish Free State's most audacious construction

project at Ardnacrusha. How did the German and Irish workforces get on? What was life like for the 5000-odd navvies and their families, many of them living in barns and pigsties along the nine-mile stretch of the 'Irish Klondyke'? How did the local farmers and householders in Clare and Limerick cope with the massive explosions and disruptions? How did those who lost homes, lands, livelihoods and loved ones (53 died and hundreds were injured during construction) cope with the trauma and hardship? The guns of the Civil War were scarcely silenced when the Irish government embarked on this huge undertaking, with vision and scarce resources. High Tension details the interdepartmental rivalry among civil servants, the struggles with the labour movement and strong-arm tactics of Joe McGrath, the dogfights with vested interest groups and overburdened local services, and the compensation battles that dragged on years after the Scheme opened. On the 75th anniversary of that opening it seems fitting to tell for the first time this fascinating story.

Software Quality Assurance - Claude Y. Laporte 2018-01-04

This book introduces Software Quality Assurance (SQA) and provides an overview of standards used to implement SQA. It defines ways to assess the effectiveness of how one approaches software quality across key industry sectors such as telecommunications, transport, defense, and aerospace. Includes supplementary website with an instructor's guide and solutions Applies IEEE software standards as well as the Capability Maturity Model Integration for Development (CMMI) Illustrates the application of software quality assurance practices through the use of practical examples, quotes from experts, and tips from the authors

*New Aspects of Quantity Surveying Practice* - Duncan Cartlidge 2017-11-28

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.

*India and Central Asia* - 2020

**Preservation of Archives in Tropical Climates** - René Teygeler 2001

**Occupational Safety & Health Program** - 1982

**No Ownership, No Commitment** - Laurie Nathan 2007

*Focusing on Your Customer* - Harvard Business Review 2010-11-04

Closing individual sales, in most businesses, is not enough for success. Success depends on developing profitable lifetime relationships with customers. But gaining customer loyalty requires hard work, care, and attentiveness. In this book, you'll learn to assess the lifetime value of a customer, and why it makes sense to build loyalty among your target customers. You'll also learn to: - Understand the service-profit chain - Leverage the interrelationships among customer satisfaction, customer loyalty, employee capability, and company profitability - Build and refine a process for delivering extraordinary value to your customers

**Music, Lyrics, and Life** - Mike Errico 2021-11-01

Music, Lyrics, and Life is the songwriting class you always wish you'd taken, taught by the professor you always wish you'd had. It's a deep dive into the heart of questions asked by songwriters of all levels, from

how to begin journaling to when you know that a song is finished. With humor and empathy, acclaimed singer-songwriter Mike Errico unravels both the mystery of songwriting and the logistics of life as a songwriter. For years, this set of tools, prompts, and ideas has inspired students on campuses including Yale, Wesleyan, Berklee, Oberlin, and NYU's Clive Davis Institute of Recorded Music. Alongside his own lessons, Errico interviews the writers, producers, and A&R executives behind today's biggest hits and investigates the larger questions of creativity through lively conversations with a wide range of innovative thinkers: astrophysicist Janna Levin explains the importance of repetition, both in choruses and in the exploration of the universe; renowned painter John Currin praises the constraints of form, whether it's within a right-angled canvas or a three-minute pop song; bestselling author George Saunders unpacks the hidden benefit of writing, and revising, authentically; and much more. The result is that Music, Lyrics, and Life ends up revealing as much about the art of songwriting as it does about who we are, and where we may be going. This is a book for songwriters, future content creators, music lovers, and anyone who wants to understand how popular art forms are able to touch us so deeply. Mike Errico has honed these lessons over years of writing, performing, teaching, and mentoring, and no matter where you are on your songwriting journey, Music, Lyrics, and Life will help you build a creative world that's both intrinsic to who you are, and undeniable to whoever is listening.

Carbon-Ion Radiotherapy - Hirohiko Tsujii 2013-12-25

This book serves as a practical guide for the use of carbon ions in cancer radiotherapy. On the basis of clinical experience with more than 7,000 patients with various types of tumors treated over a period of nearly 20 years at the National Institute of Radiological Sciences, step-by-step procedures and technological development of this modality are highlighted. The book is divided into two sections, the first covering the underlying principles of physics and biology, and the second section is a systematic review by tumor site, concentrating on the role of therapeutic techniques and the pitfalls in treatment planning. Readers will learn of the superior outcomes obtained with carbon-ion therapy for various types of tumors in terms of local control and toxicities. It is essential to understand that the carbon-ion beam is like a two-edged sword: unless it is used properly, it can increase the risk of severe injury to critical organs. In early series of dose-escalation studies, some patients experienced serious adverse effects such as skin ulcers, pneumonitis, intestinal ulcers, and bone necrosis, for which salvage surgery or hospitalization was required. To preclude such detrimental results, the adequacy of therapeutic techniques and dose fractionations was carefully examined in each case. In this way, significant improvements in treatment results have been achieved and major toxicities are no longer observed. With that knowledge, experts in relevant fields expand upon techniques for treatment delivery at each anatomical site, covering indications and optimal treatment planning. With its practical focus, this book will benefit radiation oncologists, medical physicists, medical dosimetrists, radiation therapists, and senior nurses whose work involves radiation therapy, as well as medical oncologists and others who are interested in radiation therapy.

**Sketches in Clay for Projects by Gian Lorenzo Bernini** - Harvard University. Art Museums 1999

*Functional Neurology for Practitioners of Manual Medicine E-Book* - Randy W. Beck 2011-09-21

Functional Neurology for Practitioners of Manual Medicine takes the reader from the embryonic beginnings of the nervous system, through the biochemistry of receptor activation and on to the functional systems of the nervous system. Concepts, relationships and scientific mechanisms of the nervous system function are covered, and this aids the practitioner in developing their clinical approach to a wide variety of patient presentations. The text is fully referenced, which allows the reader to immediately apply the concepts to practice situations. New for this edition are new chapters on pain (including headache) and theoretical evidence, plus extensive electronic resources supporting the text. Utilizes our understanding of how the nervous system works in the treatment of a variety of clinical conditions Demystifies the clinical results seen in the practice of Functional Neurology and scientifically validates its clinical success Addresses function rather than pathology, allowing the reader to gain a firm understanding of the neurological processes seen in health and disease Contains clinical cases which are designed to be read and answered before starting the chapter to allow the reader to gauge their current state of knowledge 'Quick Facts' introduce new concepts or allow rapid review of information already presented in the text in a brief and

succinct manner Contains a detailed overview of the concepts relating to our understanding of the development of emotion to demonstrate the link between physical health and the mind Contains abundant references to support controversial concepts Contains new chapters on theoretical evidence and the management of pain (including headache) Contains a wide range of additional case studies, 'clinical conundrums' and key questions and answers for each topic Bonus DVD contains fully searchable text, a downloadable image bank, brain dissection and video clips of the manipulative techniques and examination procedures found within the volume plus 200 multiple choice questions

**Industrial Sprays and Atomization** - Ghasem G. Nasr 2013-04-17

An extensive critical compilation of the wide range of manufacturing processes that involve the application of spray technology, this book covers design of atomizers as well as the performance of plant and their corresponding spray systems. The needs of practising engineers from different disciplines: project managers, and works, maintenance and design engineers are catered for. Of interest to researchers in the field of liquid sprays, the book includes outlines of the contemporary and possible future research and challenges in the different fields of application and deals with: • sprays and their production; • sprays in industrial production processes; • processes involving vaporisation and cooling or cleaning of gases; • spray-surface impact processes; • fuel sprays for fixed plant; • spraying of hot surfaces for steel making and other metals; • spraying of molten metals. Guidance is given for the analysis and interpretation of

experimental data obtained using different measurement techniques.

**Stellarator and Heliotron Devices** - Masahiro Wakatani 1998

This monograph describes plasma physics for magnetic confinement of high temperature plasmas in nonaxisymmetric toroidal magnetic fields or stellarators. The techniques are aimed at controlling nuclear fusion for continuous energy production. While the focus is on the nonaxisymmetric toroidal field, or heliotron, developed at Kyoto University, the physics applies equally to other stellarators and axisymmetric tokamaks. The author covers all aspects of magnetic confinement, formation of magnetic surfaces, magnetohydrodynamic equilibrium and stability, single charged particle confinement, neoclassical transport and plasma heating. He also reviews recent experiments and the prospects for the next generation of devices.

Energy Trade in South Asia - Sultan Hafeez Rahman 2011-12-01

The South Asia Regional Energy Study was completed as an important component of the technical assistance project Preparing the Energy Sector Dialogue and South Asian Association for Regional Cooperation Energy Center Capacity Development. It involved examining regional energy trade opportunities among all the member states of the South Asian Association for Regional Cooperation. The study provides interventions to improve regional energy cooperation in different timescales, including specific infrastructure projects which can be implemented during these periods.