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## MURRAY TRISTEN

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*Smart Sensing and Context* Springer Nature Descriptions of Medical Fungi. Third Edition. Sarah Kidd, Catriona Halliday, Helen Alexiou and David Ellis. 2016. This updated third edition which includes new and revised descriptions. We have endeavoured to reconcile current morphological descriptions with more recent genetic data. More than 165 fungus species are described, including members of the

Zygomycota, Hyphomycetes, Dimorphic Pathogens, Yeasts and Dermatophytes. 340 colour photographs. Antifungal Susceptibility Profiles. Microscopy Stains & Techniques. Specialised Culture Media. References. 250 pages. **National Electrical Code** BRILL "This book provides a comprehensive reference source on next generation Web technologies and their applications"-- Provided by publisher. *Programming Collective Intelligence* Springer Nature Elements of Oil and Gas Well Tubular Design offers

insight into the complexities of oil well casing and tubing design. The book's intent is to be sufficiently detailed on the tubular-oriented application of the principles of solid mechanics while at the same time providing readers with key equations pertinent to design. It addresses the fundamentals of tubular design theory, bridging the gap between theory and field operation. Filled with derivations and detailed solutions to well design examples, *Elements of Oil and Gas Well Tubular Design* provides the well designer

with sound engineering principles applicable to today's oil and gas wells. Understand engineering mechanics for oil well casing and tubing design with emphasis on derivation, limitations, and application of fundamental equations

Grasp well tubular design from one unified source with underlying concepts of stress, strain, and material constitution

Quantify practice with detailed well design worked examples amenable to quality check with commercial software

*Descriptions of Medical Fungi* Thomas Telford

The book offers several perspectives to the analysis of the expansion and diversification of international legal responses to terrorism. It focuses, in particular, on the move during the past decade towards more indirect forms of responsibility.

*Energy in American History* John Wiley & Sons

One of the major difficulties in predicting the capacity of pipe piles in sand has resulted from a lack of understanding of the physical processes that control the behavior of piles during installation and loading. This monograph presents a detailed blue print for

developing experimental facilities necessary to identify these processes. These facilities include a unique instrumented double-walled pipe-pile that is used to delineate the frictional stresses acting against the external and internal surfaces of the pile. The pile is fitted with miniature pore-pressure transducers to monitor the generation of pore water pressure during installation and loading. A fast automatic laboratory pile hammer capable of representing the phenomena that occur during pile driving was also developed and used.

Chemical Engineering Design Springer Science & Business Media

This volume constitutes the revised papers of the 4th European Conference on Smart Sensing and Context, Euro SSC 2009, held in Guilford, UK, in September 2009. This volume consists of 16 full papers. Each paper received at least three peer reviews. The conference and proceedings were structured into 6 main tracks which discussed the key themes addressed by EuroSCC 2009: activity recognition, information aspects of context-aware sensor and actuator

systems, context-aware service platforms, context processing, reasoning and fusion, real-world experiences with deployed systems, and context-aware frameworks in mobile environments.

*Advances in Haptics* Elsevier

Haptic interfaces are divided into two main categories: force feedback and tactile. Force feedback interfaces are used to explore and modify remote/virtual objects in three physical dimensions in applications including computer-aided design, computer-assisted surgery, and computer-aided assembly. Tactile interfaces deal with surface properties such as roughness, smoothness, and temperature. Haptic research is intrinsically multi-disciplinary, incorporating computer science/engineering, control, robotics, psychophysics, and human motor control. By extending the scope of research in haptics, advances can be achieved in existing applications such as computer-aided design (CAD), tele-surgery, rehabilitation, scientific visualization, robot-assisted surgery, authentication, and graphical user interfaces

(GUI), to name a few. *Advances in Haptics* presents a number of recent contributions to the field of haptics. Authors from around the world present the results of their research on various issues in the field of haptics. *Code of Federal Regulations* Elsevier Sustainable polymers play an indispensable role in the emergence of green materials, and the 21st century is an era of sustainable polymeric materials. Sustainable polymer-based materials have attracted considerable interest because of the energy crisis and ecological concerns as well as the potential to substitute certain petroleum-derived materials. This book covers the fundamentals of sustainable polymers and presents guidelines in a logical and clear manner for students and researchers to follow. It is a milestone that will help accelerate the progress and advancement in the field of sustainable polymers. The text explores the structure and chemistry of various sustainable polymers, such as cellulose, hemicellulose, lignin, chitosan, starch, guar gum, pectin, and protein,

for the possible development of green sustainable materials. *Human Health and Performance Risks of Space Exploration Missions* Gulf Professional Publishing Over the past twenty years there has been considerable improvement and new information in the design of port and berth structures. This handbook reflects the latest progress and developments in navigation safety, port planning and site selection, layout of container, oil and gas terminals, cargo handling, berth design and construction, fender and mooring principles. It presents guidelines and recommendations for the main items and assumptions in the layout, design and construction of modern port structures, and the forces and loadings acting on them. The book provides an evaluation of different designs and construction methods for port and berth structures, and recommendations given by the different international harbour standards and recommendations. Practising harbour and port engineers and

students will find the handbook an invaluable source of information. *Elements of Oil and Gas Well Tubular Design* CRC Press From conception to birth is traditionally nine months. The first emails regarding the volume you now hold in your hands—or the bits you have downloaded onto your screen—are dated 11 June 2005. From conception to birth has taken over four years. Springer's LNCS Transactions on Pattern Languages of Programming is dedicated, first and foremost, to promoting, promulgating, presenting, describing, critiquing, interrogating, and evaluating all aspects of the use of patterns in programming. In the 15 years or so since Gamma, Helm, Johnson, Vlissides's *Design Patterns* became widely available, software patterns have become a highly effective means of improving the quality of programming, software engineering, system design, and development. Patterns capture the best practices of software design, making them available to everyone participating in the production of software. A key goal of the

Transactions Series is to present material that is validated. Every contributed paper that appears in this volume has been reviewed by both patterns experts and domain experts, by researchers and practitioners. This reviewing process begins long before the paper is even submitted to Transactions. Every paper in the Series is first presented and critiqued at one of the Pattern Languages of Programming (PLoP) conferences held annually around the world. Prior to the conference, each submitted paper is assigned a shepherd who works with the authors to improve the paper. Based on several rounds of feedback, a paper may proceed to a writers' workshop at the conference itself.

#### *Optimized Equipment*

#### *Lubrication Gulf*

Professional Publishing

Deep excavations in densely populated urban areas around the world pose specific challenges due to the increasingly complex conditions in which they are undertaken. The construction of underground car parks, cellar storage areas and major infrastructure in

deep excavations helps to preserve the quality of space above ground. Despite the considerable effort that goes into their design and construction, such projects often encounter problems, such as damage to existing structures, delays and cost overruns. This book presents the results of an extensive research project conducted at the University of Cambridge, in cooperation with the Netherlands Centre of Underground Construction (COB) and Deltares, the Dutch Institute for water, subsurface and infrastructure issues. The study gained insight into mechanisms of soil-structure interaction for piled buildings adjacent to deep excavations and resulted in suggestions for designing and monitoring deep excavations in urban areas with soft soil conditions. Monitoring data of the construction of three deep excavations for the North-South metro line in Amsterdam, the Netherlands, have been used to validate the methods described. This book aims to contribute to the reduction of failure costs in the building industry, and in underground construction in particular.

Twin Plant News MDPI

Petroleum Engineer's Guide to Oil Field Chemicals and Fluids is a comprehensive manual that provides end users with information about oil field chemicals, such as drilling muds, corrosion and scale inhibitors, gelling agents and bacterial control. This book is an extension and update of Oil Field Chemicals published in 2003, and it presents a compilation of materials from literature and patents, arranged according to applications and the way a typical job is practiced. The text is composed of 23 chapters that cover oil field chemicals arranged according to their use. Each chapter follows a uniform template, starting with a brief overview of the chemical followed by reviews, monomers, polymerization, and fabrication. The different aspects of application, including safety and environmental impacts, for each chemical are also discussed throughout the chapters. The text also includes handy indices for trade names, acronyms and chemicals. Petroleum, production, drilling, completion, and operations engineers and managers will find this book invaluable for

project management and production. Non-experts and students in petroleum engineering will also find this reference useful.

Chemicals are ordered by use including drilling muds, corrosion inhibitors, and bacteria control Includes cutting edge chemicals and polymers such as water soluble polymers and viscosity control Handy index of chemical substances as well as a general chemical index

*Women in the Labor Force*  
Walter de Gruyter GmbH & Co KG

Contextualizes and analyzes the key energy transitions in U.S. history and the central importance of energy production and consumption on the American environment and in American culture and politics. Focusing on the major energy transitions in U.S. history, from the pre-industrial era to the present day, this two-volume encyclopedia captures the major advancements, events, technologies, and people synonymous with the production and consumption of energy in the United States. Expert contributors show how, for example, the introduction of electricity and petroleum into

ordinary American life facilitated periods of rapid social and political change, as well as profound and ongoing impacts on the environment. These developments have in many ways defined and accelerated the pace of modern life and led to vast improvements in living conditions for millions of people, just as they have also brought new fears of resource exhaustion and fossil-fuel induced climate change. Today, as America begins to move beyond the use of fossil fuels toward a greater reliance on renewables, including wind and solar energy, there is a pressing need to understand energy in America's past in order to better understand its energy future.

*The Linux Command Line, 2nd Edition* IGI Global  
Presents the latest electrical regulation code that is applicable for electrical wiring and equipment installation for all buildings, covering emergency situations, owner liability, and procedures for ensuring public and workplace safety.

*Forsthoffer's Proven Guidelines for Rotating Machinery Excellence*  
Momentum Press

Chemical Engineering Design is one of the best-known and most widely adopted texts available for students of chemical engineering. It completely covers the standard chemical engineering final year design course, and is widely used as a graduate text. The hallmarks of this renowned book have always been its scope, practical emphasis and closeness to the curriculum. That it is written by practicing chemical engineers makes it particularly popular with students who appreciate its relevance and clarity. Building on this position of strength the fifth edition covers the latest aspects of process design, operations, safety, loss prevention and equipment selection, and much more.

Comprehensive in coverage, exhaustive in detail, and supported by extensive problem sets at the end of each chapter, this is a book that students will want to keep to hand as they enter their professional life. The leading chemical engineering design text with over 25 years of established market leadership to back it up; an essential resource for the compulsory design project all chemical

engineering students take in their final year. A complete and trusted teaching and learning package: the book offers a broader scope, better curriculum coverage, more extensive ancillaries and a more student-friendly approach, at a better price, than any of its competitors. Endorsed by the Institution of Chemical Engineers, guaranteeing wide exposure to the academic and professional market in chemical and process engineering.

#### **Behavior of Pipe Piles in Sand**

Walter de Gruyter GmbH & Co KG  
This book offers a comprehensive introduction to electron-based bioscience, biotechnology, and biocorrosion. It both explains the importance of electron flow during metabolic processes in microorganisms and provides valuable insights into emerging applications in various fields. In the opening section, readers will find up-to-date information on topics such as electron transfer reactions, extracellular electron transfer mechanisms, direct interspecies electron transfer, and electron uptake by sulfate-reducing bacteria.

The focus then shifts to state-of-the-art advances and applications in the field of biotechnology. Here, the coverage encompasses e.g. progress in understanding electrochemical interactions between microorganisms and conductive particles, enzymatic reactions and their application in the bioproduction of useful chemicals, and the importance of redox balance for fatty acid production. In closing, the book addresses various aspects of the complex phenomenon of microbiologically induced corrosion, highlighting novel insights from the fields of electromicrobiology and electrochemistry and their implications.

*Aligning Human Resources and Business Strategy* Geological Society of London  
Structural mechanics is an important field of engineering. The main goal of structural mechanics is to ensure that structures are safe and durable so that catastrophic situations can be prevented, which can otherwise cause loss of life, environmental pollution and financial losses. Depending on the uses of the structure and

the conditions that the structure is subjected to, special treatment may be required for the analysis. Specifically, marine structures are subjected to harsh environmental conditions due to the marine environment, which can cause several different damage mechanisms including fatigue and corrosion. This book on "Marine structures" considers a wide range of areas related to marine structures and provides a compilation of numerical and experimental studies related to "Marine structures" research.

#### **A New Direction for Federal Oil Spill Research and Development**

No Starch Press  
Want to tap the power behind search rankings, product recommendations, social bookmarking, and online matchmaking? This fascinating book demonstrates how you can build Web 2.0 applications to mine the enormous amount of data created by people on the Internet. With the sophisticated algorithms in this book, you can write smart programs to access interesting datasets from other web sites, collect data from users of your

own applications, and analyze and understand the data once you've found it. Programming Collective Intelligence takes you into the world of machine learning and statistics, and explains how to draw conclusions about user experience, marketing, personal tastes, and human behavior in general -- all from information that you and others collect every day. Each algorithm is described clearly and concisely with code that can immediately be used on your web site, blog, Wiki, or specialized application. This book explains: Collaborative filtering techniques that enable online retailers to recommend products or media Methods of clustering to detect groups of similar items in a large dataset Search engine features -- crawlers, indexers, query engines, and the PageRank algorithm Optimization algorithms that search millions of possible solutions to a problem and choose the best one Bayesian filtering, used in spam filters for classifying documents based on word types and other features Using decision trees not only to make predictions, but to model the way

decisions are made Predicting numerical values rather than classifications to build price models Support vector machines to match people in online dating sites Non-negative matrix factorization to find the independent features in a dataset Evolving intelligence for problem solving -- how a computer develops its skill by improving its own code the more it plays a game Each chapter includes exercises for extending the algorithms to make them more powerful. Go beyond simple database-backed applications and put the wealth of Internet data to work for you. "Bravo! I cannot think of a better way for a developer to first learn these algorithms and methods, nor can I think of a better way for me (an old AI dog) to reinvigorate my knowledge of the details." -- Dan Russell, Google "Toby's book does a great job of breaking down the complex subject matter of machine-learning algorithms into practical, easy-to-understand examples that can be directly applied to analysis of social interaction across the Web today. If I had this book two years ago, it would have saved

precious time going down some fruitless paths." -- Tim Wolters, CTO, Collective Intellect  
**Rational Application Developer V7.5 Programming Guide**  
 Government Printing Office  
 This open access book focuses on practical clinical problems that are frequently encountered in stroke rehabilitation. Consequences of diseases, e.g. impairments and activity limitations, are addressed in rehabilitation with the overall goal to reduce disability and promote participation. Based on the available best external evidence, clinical pathways are described for stroke rehabilitation bridging the gap between clinical evidence and clinical decision-making. The clinical pathways answer the questions which rehabilitation treatment options are beneficial to overcome specific impairment constellations and activity limitations and are well acceptable to stroke survivors, as well as when and in which settings to provide rehabilitation over the course of recovery post stroke. Each chapter starts with a description of the clinical problem encountered. This is

followed by a systematic, but concise review of the evidence (RCTs, systematic reviews and meta-analyses) that is relevant for clinical decision-making, and comments on assessment, therapy (training, technology, medication), and the use of technical aids as appropriate. Based on these summaries, clinical algorithms / pathways are provided and the main clinical-decision situations are portrayed. The book is invaluable for all neurorehabilitation team members, clinicians, nurses, and therapists in neurology, physical medicine and

rehabilitation, and related fields. It is a World Federation for NeuroRehabilitation (WFNR) educational initiative, bridging the gap between the rapidly expanding clinical research in stroke rehabilitation and clinical practice across societies and continents. It can be used for both clinical decision-making for individuals and as well as clinical background knowledge for stroke rehabilitation service development initiatives.

**Petroleum Engineer's Guide to Oil Field Chemicals and Fluids**  
Cambridge University Press

Customary International Humanitarian Law, Volume I: Rules is a comprehensive analysis of the customary rules of international humanitarian law applicable in international and non-international armed conflicts. In the absence of ratifications of important treaties in this area, this is clearly a publication of major importance, carried out at the express request of the international community. In so doing, this study identifies the common core of international humanitarian law binding on all parties to all armed conflicts. Comment Don:RWI.