

Cetol User Reference Manual File Type

To date, the focus in the field of sustainable building has been on new building design. However, existing residential buildings inflict great environmental burden through three causes: continuous energy consumption, regular building maintenance and replacements. This publication analyses and compares these three causes of environmental burden and shows that material resources needed for replacements generally have a limited potential to reduce environmental impact. Reducing energy consumption for climate control and electrical appliances is much more effective. According to the author, sustainable measures should be tested for shifts in the kind of environmental impact caused due to the use of alternative types of energy resources and altered material quantities. The sustainability of the electricity supply is essential to decrease the total environmental impact of the residential building stock. Light therapy' is established worldwide as the treatment of choice for seasonal affective disorder. It is also successfully used in nonseasonal depression, as well as for many other psychiatric and neurologic illnesses, and in sleep medicine. 'Wake therapy' is the fastest antidepressant known. Imaging studies show that both methods share neurobiological substrates with antidepressants, but act much faster. 'Chronotherapeutics' – the combination of light and wake therapy – achieves rapid results and, by reducing residual symptoms, also minimises relapse. Written by three prominent clinical and research experts in biological rhythms, this manual aims to broaden knowledge and practical application of these non-pharmacologic interventions for bipolar and unipolar disorders. Clinical understanding is deepened by an explanation of the circadian timing system and sleep regulatory mechanisms which underlie the novel treatment strategy. The step-by-step guide and description of the interventions in centers throughout the world provides clear hands-on instructions, supported by a solid body of clinical research. The first edition of 'Chronotherapeutics for Affective Disorders' has kindled a network of psychiatrists and psychologists who are actively introducing these treatments for their inpatients and outpatients. This manual is also essential reading for primary care physicians, sleep medicine specialists and health care administrators. The most comprehensive Six Sigma reference available, now revised and expanded Completely rewritten and reorganized, this second edition of The Six Sigma Handbook covers all the basic statistics and quality improvement tools of the Six Sigma quality management system. This new edition reflects the developments in Six Sigma over the past few years and will help maintain the book's position as the leading comprehensive guide to Six Sigma. Key changes to this edition include: New chapters on DFSS (Design for Six Sigma); Minitab, the most popular statistical software for Six Sigma; Six Sigma philosophy and values; flowcharting; and SIPOC Coverage of the core problem-solving technique DMAIC (Define, Measure, Analyze, Improve, Control) Dozens of downloadable, customizable Six Sigma work sheets New material on important advanced Six Sigma tools such as FMEA (Failure Mode and Effects Analysis) Genomics of Rare Diseases: Understanding Disease Genetics Using Genomic Approaches, a new volume in the Translational and Applied Genomics series, offers readers a broad understanding of current knowledge on rare diseases through a genomics lens. This clear understanding of the latest molecular and genomic technologies used to elucidate the molecular causes of more than 5,000 genetic disorders brings readers closer to unraveling many more that remain undefined and undiscovered. The challenges associated with performing rare disease research are also discussed, as well as the opportunities that the study of these disorders provides for improving our understanding of disease architecture and pathophysiology. Leading chapter authors in the field discuss approaches such as karyotyping and genomic sequencing for the better diagnosis and treatment of conditions including recessive diseases, dominant and X-linked disorders, de novo mutations, sporadic disorders and mosaicism. Compiles applied case studies and methodologies, enabling researchers, clinicians and healthcare providers to effectively classify DNA variants associated with disease and patient phenotypes Discusses the main challenges in studying the genetics of rare diseases through genomic approaches and possible or ongoing solutions Explores opportunities for novel therapeutics Features chapter contributions from leading researchers and clinicians Fruit and Vegetable Processing The Six Sigma Handbook, Third Edition ABAQUS/standard Proceedings from the Interim Meeting of the Modern Materials and Contemporary Art Working Group of ICOM-CC Navy Driver's Handbook A User's Guide

This book gives Abaqus users who make use of finite-element models in academic or practitioner-based research the in-depth program knowledge that allows them to debug a structural analysis model. The book provides many methods and guidelines for different analysis types and modes, that will help readers to solve problems that can arise with Abaqus if a structural model fails to converge to a solution. The use of Abaqus affords a general checklist approach to debugging analysis models, which can also be applied to structural analysis. The author uses step-by-step methods and detailed explanations of special features in order to identify the solutions to a variety of problems with finite-element models. The book promotes:

- a diagnostic mode of thinking concerning error messages;
- better material definition and the writing of user material subroutines;
- work with the Abaqus mesher and best practice in doing so;
- the writing of user element subroutines and contact features with convergence issues; and
- consideration of hardware and software issues and a Windows HPC cluster solution.

The methods and information provided facilitate job diagnostics and help to obtain converged solutions for finite-element models regarding structural component assemblies in static or dynamic analysis. The troubleshooting advice ensures that these solutions are both high-quality and cost-effective according to practical experience. The book offers an in-depth guide for students learning about Abaqus, as each problem and solution are complemented by examples and straightforward explanations. It is also useful for academics and structural engineers wishing to debug Abaqus models on the basis of error and warning messages that arise during finite-element modelling processing.

This report examines 24 incidents, resulting in 32 deaths, involving Philippine National Police personnel between October 2016 and January 2017. Human Rights Watch found that the official police reports of these incidents invariably asserted self-defense to justify police killings, contrary to eyewitness accounts that portray the killings as cold-blooded murders of unarmed drug suspects in custody. To bolster their claims, the police routinely planted guns, spent ammunition, and drug packets next to the victims' bodies. No one has been meaningfully investigated, let alone prosecuted, for these killings.

CD-ROM contains: Examples from text -- Parser toolkit -- Example programs.

The authoritative classic--revised and updated for today's Six Sigma practitioners Whether you want to further your Six Sigma training to achieve a Black or Green Belt or you are totally new to the quality-management strategy, you need reliable guidance. The Six Sigma Handbook, Third Edition shows you, step by step, how to integrate this profitable approach into your company's culture. Co-written by an award-winning contributor to the practice of quality management and a successful Six Sigma trainer, this hands-on guide features: Cutting-edge, Lean Six Sigma concepts integrated throughout Completely revised material focused on project objectives Updated and expanded problem-solving examples using Excel and Minitab A streamlined format that puts proven practices at your fingertips The Six Sigma Handbook, Third Edition is the only comprehensive reference you need to make Six Sigma work for your company. The book explains how to organize for Six Sigma, how to use customer requirements to drive strategy and operations, how to carry out successful project management, and more. Learn all the management responsibilities and actions necessary for a successful deployment, as well as how to: Dramatically improve products and processes using DMAIC and DMADV Use Design for Six Sigma to create innovative products and processes Incorporate lean, problem-solving, and statistical techniques within the Six Sigma methodology Avoid common pitfalls during implementation Six Sigma has evolved with the changing global economy, and The Six Sigma Handbook, Third Edition is your key to ensuring that your company realizes significant gains in quality, productivity, and sales in today's business climate.

Lectures on Viscoelasticity Theory

Example Problems Manual : Version 5.7

Vitamin D and Human Health

Film and Identity on the Pacific Rim

Conserving Outdoor Painted Sculpture

Mapping New Fields in the Arts and Social Sciences

Written by one of the foremost authorities in the field, Mechanical Tolerance Stackup and Analysis presents proven and easy-to-use methods for determining whether selected dimensioning and tolerancing schemes will yield functional parts and assemblies and the most practical procedure to communicate the results. Using a variety of examples and real- This book is a printed edition of the Special Issue "Vitamin D and Human Health" that was published in Nutrients

Proceedings from the interim meeting of the Modern Materials and Contemporary Art Working Group of ICOM-CC, Kroller-Muller Museu, Ooterlo, the Netherlands, June 4-5, 2013.

Comparing the major Pacific Rim cities of Sydney, Hong Kong and Shanghai, this book examines world city branding. Whilst all three cities compete on the world's stage for events, tourists and investment, they are also at the centre of distinct film traditions and their identities are thus strongly connected with a cinematic impression. Using an interdisciplinary approach, this book not only analyses the city branding of these cities from the more widely researched perspectives of tourism, marketing and regional development, but also draws in cultural studies and psychology approaches which offer fresh and useful insights to place branding and marketing in general. The authors compare and contrast qualitative and quantitative original data as well as critically analyzing current texts and debates on city branding. In conclusion, they argue that city branding should contribute not only to regional development and identity, but also to sustainable economic well-being and public happiness.

Integration of CAD/CAPP/CAM

The Implementation of Change in Health Care

Earth Day

Finite Element Analysis of Composite Materials using AbaqusTM

Active Protective Coatings

The Complete Trailer Sailor: How to Buy, Equip, and Handle Small Cruising Sailboats

There have been many excellent books written on the subject of plastic deformation in solids, but rarely can one find a textbook on this subject. " Plasticity Modeling & Computation " is a textbook written specifically for students who want to learn the theoretical, mathematical, and computational aspects of inelastic deformation in solids. It adopts a simple narrative style that is not mathematically overbearing, and has been written to emulate a professor giving a lecture on this subject inside a classroom. Each section is written to provide a balance between the relevant equations and the explanations behind them. Where relevant, sections end with one or more exercises designed to reinforce the understanding of the " lecture. " Color figures enhance the presentation and make the book very pleasant to read. For professors planning to use this textbook for their classes, the contents are sufficient for Parts A and B that can be taught in sequence over a period of two semesters or quarters.

The book introduces the fundamentals and development of Computer aided design, Computer aided process planning, and Computer aided manufacturing. The integration of CAD/CAPP/CAM, product data management and Concurrent engineering and collaborative design etc. are also illustrated in detail, which make this book be an essential reference for graduate students, scientists and practitioner in the research fields of computer sciences and engineering.

Fruit and vegetables are both major food products in their own right and key ingredients in many processed foods. There has been growing research on their importance to health and techniques to preserve the nutritional and sensory qualities desired by consumers. This major collection summarises some of the key themes in this recent research. Part one looks at fruit, vegetables and health. There are chapters on the health benefits of increased fruit and vegetable consumption, antioxidants and improving the nutritional quality of processed fruits. Part two considers ways of managing safety and quality through the supply chain. A number of chapters discuss the production of fresh fruit and vegetables, looking at modelling, the use of HACCP systems and ways of maintaining postharvest quality. There are also two chapters on instrumentation for measuring quality. Two final chapters look at maintaining the safety and quality of processed fruit and vegetables. Part three reviews technologies to improve fruit and vegetable products. Two chapters consider how to extend the shelf-life of fruits and vegetables during cultivation. The following three chapters then consider how postharvest handling can improve quality, covering minimal processing, new modified atmosphere packaging techniques and the use of edible coatings. Two final chapters discuss two major recent technologies in processing fruit and vegetables: high pressure processing and the use of vacuum technology. With its distinguished editor and international team of contributors, Fruit and vegetable processing provides an authoritative review of key research on measuring and improving the quality of both fresh and processed fruits and vegetables. Reviews recent research on improving the sensory, nutritional and functional qualities of fruit and vegetables, whether as fresh or processed products Examines the importance of fruits and vegetables in processed foods and outlines techniques to preserve the nutritional and sensory qualities desired by consumers Discusses two major technologies in processing fruits and vegetables: high pressure processing and the use of vacuum technology

This User 's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User 's Guide was created by researchers affiliated with AHRQ 's Effective Health Care Program, particularly those who participated in AHRQ 's DEClDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

Architecture in Detail II

Global Perspectives on Childhood Obesity

Modeling & Computation

Color Ordered

Computational Methods for Plasticity

Tourism and the Branded City

Since antiquity, people have searched for a way to understand the colors we see--what they are, how many there are, and how they can be systematically identified and arranged in some kind of order. How to order colors is not merely a philosophical question, it also has many practical applications in art, design, and commerce. Our intense interest in color and its myriad practical applications have led people throughout history to develop many systems to characterize and order it. The number of color order systems developed throughout history is unknown but ranges in the hundreds. Many are no longer used, but continue to be of historical interest. Despite wrong turns and slow progress, our understanding of color and its order has improved steadily. Although full understanding continues to elude us, it seems clear that it will ultimately come from research in neurobiology, perception and consciousness.

Color Ordered is a comprehensive, in-depth compendium of over 170 systems, dating from antiquity to the present. In it, Rolf Kuehni and Andreas Schwarz present a history and categorization of color systems, describe each one using original figures and schematic drawings, and provide a broad review of the underlying theory. Included are a brief overview of color vision and a synthesis of the various systems. This volume is a unique and valuable resource for researchers in color vision, and visual perception, as well as for neuroscientists, art historians, artists, and designers.

This first comprehensive review of airborne measurement principles covers all atmospheric components and surface parameters. It describes the common techniques to characterize aerosol particles and cloud/precipitation elements, while also explaining radiation quantities and pertinent hyperspectral and active remote sensing measurement techniques along the way. As a result, the major principles of operation are introduced and exemplified using specific instruments, treating both classic and emerging measurement techniques. The two editors head an international community of eminent scientists, all of them accepted and experienced specialists in their field, who help readers to understand specific problems related to airborne research, such as immanent uncertainties and limitations. They also provide guidance on the suitability of instruments to measure certain parameters and to select the correct type of device. While primarily intended for climate, geophysical and atmospheric researchers, its relevance to solar system objects makes this work equally appealing to astronomers studying atmospheres of solar system bodies with telescopes and space probes.

This volume provides insights on how recruitment patterns develop for two related types of criminal networks: organized crime and terrorism. It specifically explores the social, situational, psychological, and economic drivers of recruitment. Although organized crime networks and terrorism networks can differ in underlying goals and motivations, this volume demonstrates common drivers in their recruitment, which will provide insights for crime prevention and intervention. The goal of the book is to explore the current knowledge about these common drivers, as well as highlight emerging research, to identify and prioritize a research agenda for scholars, as well as policymakers. The research presented in this work aims to fill existing gaps in the knowledge of recruitment to both organized crime and terrorism. For each area, it provides a systematic review of the existing research on social, psychological, and economic drivers of recruitment. It then presents findings from independent original research aimed to explore new ground not covered in these previous studies. The contributions to this volume were the result of a research project funded by a European Union Horizon 2020 grant, and present a diverse, international mix of expertise and cases. It will be of interest to researchers in criminology and criminal justice, as well as related fields such as sociology, psychology, and international relations. Chapter 13 of this book is available open access under a CC BY 4.0 license.

Cotton Breeding and Biotechnology presents information on one of the most economically important crops of the world, cotton. This book contains chapters on the history of cotton; breeding approaches; technologies for increasing germination, crop growth and yield; and fiber quality issues. It emphasizes sustainable development in the cotton industry analysing the progress of breeding technologies under environmental adversity. The book explores the national and global status of cotton crop, including cotton production, possible impacts of climate change, and the vulnerability of cotton to pest infestations and disease attacks. Features Focuses on cotton breeding and biotechnology Proposes ideas, data, and strategies to mount breeding programs for enhancing cotton production Details strategies for cotton quality improvement against abiotic and biotic stresses Emphasizes the revival of cotton in Pakistan and South Asian region This book is useful to researchers, cotton breeders and growers, farmers, and the agriculture industry.

Understanding Disease Genetics Using Genomic Approaches

Genomics of Rare Diseases

Registries for Evaluating Patient Outcomes

License to Kill

A Study on the Identification and Reception of Genre Characteristics in Multimodal Annual Reports Originating in the Netherlands and in the United Kingdom

A Survey of Color Systems from Antiquity to the Present

Data Model Patterns: A Metadata Map not only presents a conceptual model of a metadata repository but also demonstrates a true enterprise data model of the information technology industry itself. It provides a step-by-step description of the model and is organized so that different readers can benefit from different parts. It offers a view of the world being addressed by all the techniques, methods, and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) and presents several concepts that need to be addressed by such tools. This book is pertinent, with companies and government agencies realizing that the data they use represent a significant corporate resource recognize the need to integrate data that has traditionally only been available from disparate sources. An important component of this integration is management of the "metadata" that describe, catalogue, and provide access to the various forms of underlying business data. The "metadata repository" is essential to keep track of the various physical components of these systems and their semantics. The book is ideal for data management professionals, data modeling and design professionals, and data warehouse and database repository designers. A comprehensive work based on the Zachman Framework for information architecture—encompassing the Business Owner's, Architect's, and Designer's views, for all columns (data, activities, locations, people, timing, and motivation) Provides a step-by-step description of model and is organized so that different readers can benefit from different parts Provides a view of the world being addressed by all the techniques, methods and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) Presents many concepts that are not currently being addressed by such tools — and should be

This book investigates the concept of what it means to be 'epic' and its form in American life, literature, and art from the country's early days.

Following on from Graham Bizley's successful Architecture in Detail, Architecture in Detail II presents 40 case studies of detailing on recent construction projects. Over 150 full colour drawings and photos provide a reference compendium for the professional architect seeking detailing inspiration. Originally featured in Building Design's In Detail magazine, the included projects represent some of the most interesting and innovative techniques in recent architecture. Graham Bizley's beautifully presented detail drawings allow the architect to easily see how ideas and techniques can be applied to other projects. The book is organised by building type for quick and easy reference.

Embrace and revel in the stories of the toughest cyclists of all time, told by The Velominati, originators of The Rules. Read and get ready to ride. . . In cycling, suffering brings glory: a rider's value can be judged by their results, but also by their panache and heroism. Prepared to be awed and inspired by Chris Froome riding on at the Tour de France with a broken wrist or Geraint Thomas finishing it with a broken pelvis. In The Hardmen the writers behind cycling superblog Velominati.com and The Rules will tell the stories and illuminate the myths of not just the greatest cyclists ever, but the toughest. From Eddy Merckx to Beryl Burton, and from Marianne Vos to Edwig Van Hooydonk, the book will lay bare the secrets of their extraordinary and inspirational endurance in the face of pain, danger and disaster. After all, suffering is one of the joys of being a cyclist. Embrace climbs, relish the descents, and get ready to harden up. . .

Plasticity

Current Status, Consequences and Prevention

Settlement to Reconstruction

Strategic Brand Management

Theory and Applications

The Six Sigma Handbook, Revised and Expanded

The global spread of antimicrobial-resistant pathogenic bacteria is a continuing challenge to the health care of humans and domesticated animals. With no new agents on the horizon, it is imperative to use antimicrobial agents wisely to preserve their future efficacy. Led by Editors Stefan Schwarz, Lina Maria Cavaco, and Jianzhong Shen with Frank Møller Aarestrup, an international team of experts in antimicrobial resistance of livestock and companion animals has created this valuable reference for veterinary students and practitioners as well as researchers and decision makers interested in understanding and preventing antimicrobial resistance. Developed from the author's graduate-level course on advanced mechanics of composite materials, Finite Element Analysis of Composite Materials with Abaqus shows how powerful finite element tools address practical problems in the structural analysis of composites. Unlike other texts, this one takes the theory to a hands-on level by actually solving

The subject of computational plasticity encapsulates the numerical methods used for the finite element simulation of the behaviour of a wide range of engineering materials considered to be plastic – i.e. those that undergo a permanent change of shape in response to an applied force. Computational Methods for Plasticity: Theory and Applications describes the theory of the associated numerical methods for the simulation of a wide range of plastic engineering materials; from the simplest infinitesimal plasticity theory to more complex damage mechanics and finite strain crystal plasticity models. It is split into three parts - basic concepts, small strains and large strains. Beginning with elementary theory and progressing to advanced, complex theory and computer implementation, it is suitable for use at both introductory and advanced levels. The book: Offers a self-contained text that allows the reader to learn computational plasticity theory and its implementation from one volume. Includes many numerical examples that illustrate the application of the methodologies described. Provides introductory material on related disciplines and procedures such as tensor analysis, continuum mechanics and finite elements for non-linear solid mechanics. Is accompanied by purpose-developed finite element software that illustrates many of the techniques discussed in the text, downloadable from the book's companion website. This comprehensive text will appeal to postgraduate and graduate students of civil, mechanical, aerospace and materials engineering as well as applied mathematics and courses with computational mechanics components. It will also be of interest to research engineers, scientists and software developers working in the field of computational solid mechanics.

This book contains notes for a one-semester course on viscoelasticity given in the Division of Applied Mathematics at Brown University. The course serves as an introduction to viscoelasticity and as a workout in the use of various standard mathematical methods. The reader will soon find that he needs to do some work on the side to fill in details that are omitted from the text. These are notes, not a completely de tailed explanation. Furthermore, much of the content of the course is in the prob lems assigned for solution by the student. The reader who does not at least try to solve a good many of the problems is likely to miss most of the point. Much that is known about viscoelasticity is not discussed in these notes, and references to original sources are usually not given, so it will be difficult or impossible to use this book as a reference for looking things up. Readers wanting something more like a treatise should see Ferry's Viscoelastic Properties of Polymers, Lodge's Elastic Liquids, the volumes edited by Eirich on Rheology, or any issue of the Transactions of the Society of Rheology. These works emphasize physical aspects of the subject. On the mathematical side, Gurtin and Sternberg's long paper On the Linear Theory of Viscoelasticity (ARMA-, 291(1962)) remains the best reference for proofs of theorems.

English Annual Reports in Europe

Building Parsers with Java

Improving Patient Care

Epic in American Culture

Festival Cultures

With Application in Structural Engineering Analysis

The importance of proper geometric dimensioning and tolerancing as a means of expressing the designer's functional intent and controlling the inevitable geometric and dimensional variations of mechanical parts and assemblies, is becoming well recognized. The research efforts and innovations in the field of tolerancing design, the development of supporting tools, techniques and algorithms, and the significant advances in computing software and hardware all have contributed to its recognition as a viable area of serious scholarly contributions. The field of tolerancing design is successfully making the transition to maturity where deeper insights and sound theories are being developed to offer explanations, and reliable implementations are introduced to provide solutions. Machine designers realized very early that manufacturing processes do not produce the nominal dimensions of designed parts. The notion of associating a lower and an upper limit, referred to as tolerances, with each dimension was introduced. Tolerances were specified to ensure the proper function of mating features. Fits of mating features included clearances, location fits, and interference fits, with various sub-grades in each category assigned a tolerance value depending on the nominal size of the mating features. During the inspection process, a part is rejected if a dimension fell outside the specified range. As the accuracy requirements in assemblies became tighter, designers had to consider other critical dimensions and allocate tolerances to them in order to ensure the assembly's functionality.

Earth Day celebrates our beautiful planet and calls us to act on its behalf. Some people spend the day planting flowers or trees. Others organize neighborhood clean-ups, go on nature walks, or make recycled crafts. Readers will discover how a shared holiday can have multiple traditions and be celebrated in all sorts of ways.

Understanding the complex factors contributing to the growing childhood obesity epidemic is vital not only for the improved health of the world's future generations, but for the healthcare system. The impact of childhood obesity reaches beyond the individual family and into the public arenas of social systems and government policy and programs. Global Perspectives on Childhood Obesity explores these with an approach that considers the current state of childhood obesity around the world as well as future projections, the most highly cited factors contributing to childhood obesity, what it means for the future both for children and society, and suggestions for steps to address and potentially prevent childhood obesity. This book will cover the multi-faceted factors contributing to the rapidly growing childhood obesity epidemic The underlying causes and current status of rapidly growing obesity epidemic in children in the global scenario will be discussed The strategies for childhood obesity prevention and treatment such as physical activity and exercise, personalized nutrition plans and school and community involvement will be presented

This book brings together interdisciplinary research from the fields of Anthropology, Sociology, Archaeology, Art, History and Religious Studies, showing the necessity of a transdisciplinary and diachronic approach to examine the last half-century of modern arts and performance festivals. The volume focuses on new theoretical and methodological approaches for the examination of festivals and festival cultures, both the Burning Man festival in Nevada's Black Rock Desert and burner culture in Europe. The editors argue that festival cultures are becoming values-inflected global forms of travel, dwelling, festivity, communication, and social organisation that are transforming contemporary cultures and have significant political capital. Maria Nita is a Lecturer in Religious Studies at the Open University, UK. Her research focuses on religion and environmentalism, with particular interest in artistic practices for sustainability, festivals, and the climate movement. Jeremy H. Kidwell is a Senior Lecturer in Theological Ethics at the University of Birmingham, UK. Kidwell is an interdisciplinary scholar, with a background in the humanities, particularly literature and music.

Troubleshooting Finite-Element Modeling with Abaqus

Airborne Measurements for Environmental Research

Antimicrobial Resistance in Bacteria from Livestock and Companion Animals

Environmental Impacts During the Operational Phase of Residential Buildings

New-Generation Coatings for Metals

Challenges and Opportunities

This book covers a broad range of materials science that has been brought to bear on providing solutions to the challenges of developing self-healing and protective coatings for a range of metals. The book has a strong emphasis on characterization techniques, particularly new techniques that are beginning to be used in the coatings area. It features many contributions written by experts from various industrial sectors which examine the needs of the sectors and the state of the art. self-healing and protective coatings has been an expanding field in recent years and applies a lot of new knowledge gained from other fields as well as other areas of materials science to the development of coatings. It has borrowed from food and pharmaceutical industries who have used, polymer techniques, sol-gel science and colloidosome technology for a range encapsulation techniques. It has also borrowed from fields like hydrogen storage such as from the development and other materials based on organic templating as "nanocontainers" for the delivery of inhibitors. In materials science, recent developments in high throughput and other characterisation techniques, such as those available from synchrotron increasing used for novel characterisation – one only needs to look at the application of these techniques in self healing polymers to gauge wealth of new information that has been gained from these techniques. This work is largely driven to replace environmental pollutants and hazardous chemicals that represent risk to humans such as chromate inhibitors which are still used in some applications.

As innovations are constantly being developed within healthcare, it can be difficult both to select appropriate new practicesand technologies and to successfully adopt them within complexorganizations. It is necessary to understand the complexity of introducing change, how to best implement new procedures andtechniques, how to evaluate success and to improve the quality ofpatient care. This comprehensive guide allows you to do justthat. Improving Patient Care, 2nd edition provides health professionals and change agents to implement betterpractices in health care. It helps health professionals, managers,policy makers and researchers to assess new techniques and selectand implement change in their organizations. This new edition provides recent evidence and further coverage on patient safety andpatient centred strategies for change. Written by an international expert author team,Improving Patient Care is an established standard text forpostgraduate students of health professions and healthmanagement. The strong author team are global professors involvedin managing research and development in the field of qualityimprovement, evidence-based practice and guidelines, qualityassessment and indicators to improve patient care throughreceiving appropriate healthcare.

A soup-to-nuts introduction to small, economical sailing craft Trailer sailers--the smallest, most economical sailboats with sleeping accommodations--are a popular platform for learning the basics of sailing and are often considered to be the best cruising under sail. Author Brian Gilbert shows how trailer sailers can be the ideal craft for a lifetime of enjoyment, including serious, long-distance cruising. This book covers all the bases, including how to inspect, buy, and equip a boat; how to navigate, and cruise in small boats; how to use communications and navigation equipment; and more.

Data Model Patterns: A Metadata Map

Geometric Design Tolerancing: Theories, Standards and Applications

Verification Manual : Version 5.5

The Hardmen: Legends and Lessons from the Cycling Gods

Improving Quality

Philippine Police Killings in Duterte's "War on Drugs"