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## The Past Web Voyage Press

This book provides practical information about web archives, offers inspiring examples for web archivists, raises new challenges, and shares recent research results about access methods to explore information from the past preserved by web archives. The book is structured in six parts. Part 1 advocates for the importance of web archives to preserve our collective memory in the digital era, demonstrates the problem of web ephemera and shows how web archiving activities have been trying to address this challenge. Part 2 then focuses on different strategies for selecting web content to be preserved and on the media types that different web archives host. It provides an overview of efforts to address the preservation of web content as well as smaller-scale but high-quality collections of social media or audiovisual content. Next, Part 3 presents examples of initiatives to improve access to archived web information and provides an overview of access mechanisms for web archives designed to be used by humans or automatically accessed by machines. Part 4 presents research use cases for web archives. It also discusses how to engage more researchers in exploiting web archives and provides inspiring research studies performed using the exploration of web archives. Subsequently, Part 5 demonstrates that web archives should become crucial infrastructures for modern connected societies. It makes the case for developing web archives as research infrastructures and presents several inspiring examples of added-value services built on web archives. Lastly, Part 6 reflects on the evolution of the web and the sustainability of web archiving activities. It debates the requirements and challenges for web archives if they are to assume the responsibility of being societal infrastructures that enable the preservation of memory. This book targets academics and advanced professionals in a broad range of research areas such as digital humanities, social sciences, history, media studies and information or computer science. It also aims to fill the need for a scholarly overview to support lecturers who would like to introduce web archiving into their courses by offering an initial reference for students.

## The Sailor's Book of Small Cruising Sailboats Springer Nature

Content of this proceedings discusses emerging trends in structural reliability, safety and disaster management, covering topics like total quality management, risk maintenance and design for reliability. Some papers also address chemical process reliability, reliability analysis and engineering applications in chemical process equipment systems and includes a chapter on reliability evaluation models of chemical systems. Accepted papers from 2019 International Conference on Reliability, Risk Maintenance and Engineering Management (ICRRM 2019) are part of this conference proceeding. It offers useful insights to road safety engineers, disaster management professionals involved in product design and probabilistic methods in manufacturing systems.

## Applications of Artificial Intelligence Techniques in Engineering CRC Press

We all like to know how reliable and how risky certain situations are, and our increasing reliance on technology has led to the need for more precise assessments than ever before. Such precision has resulted in efforts both to sharpen the notions of risk and reliability, and to quantify them. Quantification is required for normative decision-making, especially decisions pertaining to our safety and wellbeing. Increasingly in recent years Bayesian methods have become key to such quantifications. Reliability and Risk provides a comprehensive overview of the mathematical and statistical aspects of risk and reliability analysis, from a Bayesian perspective. This book sets out to change the way in which we think about reliability and survival analysis by casting them in the broader context of decision-making. This is achieved by: Providing a broad coverage of the diverse aspects of reliability, including: multivariate failure models, dynamic reliability, event history analysis, non-parametric Bayes, competing risks, co-operative and competing systems, and signature analysis. Covering the essentials of Bayesian statistics and exchangeability, enabling readers who are unfamiliar with Bayesian inference to benefit from the book. Introducing the notion of "composite reliability", or the collective reliability of a population of items. Discussing the relationship between notions of reliability and survival analysis and econometrics and financial risk. Reliability and Risk can most profitably be used by practitioners and research workers in reliability and survivability as a source of information, reference, and open problems. It can also form the basis of a graduate level course in reliability and risk analysis for students in statistics, biostatistics, engineering (industrial, nuclear, systems), operations research, and other mathematically oriented scientists, wherein the instructor could supplement the material with examples and problems.

## *Fairplay World Shipping Directory Springer*

The latest edition of the bestselling Groundwater Chemicals Desk Reference has been thoroughly updated and expanded. In addition to information concerning the environmental fate and transport in various media, organic priority pollutants and chemicals commonly found in the workplace and the environment, it includes toxicity information for mammals and aquatic species in a clear, consistent format.

## *Smart Computing and Informatics Springer*

The 20th century has finished, the century when surgery took huge steps forward thanks to progress in technology. Now we have entered the "century of biotechnologies", which will not only generate progress in surgery, but also lead to a real "cultural revolution" that will completely change approaches to solving different problems in medicine. The aim of this book is to bring surgeons closer to biotechnologies and to overcome the cultural gap dividing them from these new approaches. Biotechnologies are already proposed and used at different levels in surgical practice: in diagnostic technique, enabling practitioners to identify diseases at an early stage and follow their molecular modification over time; and in tissue engineering, where the use of "smart scaffolds" offers a possible answer to increasing demand for biocompatible tissues and organs in transplantation surgery. This volume focuses on the emerging field of stem cells, analyzing both their role as possible players in originating and perpetuating cancer – "cancer stem cells" – and, conversely, their extraordinary therapeutical potential. An additional section is dedicated to the evaluation and application of derived molecular factors that can enhance the physiological processes that are fundamentally important in surgery, such as hemostasis and wound healing. Surgeons have always been

technologists, in the sense that since surgery began they have always needed technology, beginning with a scalpel and surgical instruments. They have always cooperated with technologists. However, in the new century, the first one of the millennium, a rapid increase in knowledge that is outside the realm of the surgeon's traditional technological training is imposing itself – hence the aim of this book. It is now urgent to encourage surgeons to embrace this knowledge (biotechnology) with confidence. By its very nature, biotechnology is completely different from the technologies used so far, because it escapes the senses of sight and touch, which up to now have been the essence of the surgeon's work. The cellular and molecular dimensions of biotechnologies are still far removed from most of the recent advances in modern surgical techniques. A common language between surgeons and biotechnologists will create further, revolutionary, progress in surgical sciences in the twenty-first century.

#### Cruising World Springer

The book is a collection of high-quality, peer-reviewed innovative research papers from the International Conference on Signals, Machines and Automation (SIGMA 2018) held at Netaji Subhas Institute of Technology (NSIT), Delhi, India. The conference offered researchers from academic and industry the opportunity to present their original work and exchange ideas, information, techniques and applications in the field of computational intelligence, artificial intelligence and machine intelligence. The book is divided into two volumes discussing a wide variety of industrial, engineering and scientific applications of the emerging techniques.

#### **Fairplay** Springer

Reaction Mechanisms in Environmental Organic Chemistry classifies and organizes the reactions of environmentally important organic compounds using concepts and data drawn from traditional mechanistic and physical organic chemistry. It will help readers understand these reactions and their importance for the environmental fates of organic compounds of many types. The book has a molecular and mechanistic emphasis, and it is organized by reaction type. Organic molecules and their fates are examined in an ecosystem context. Their reactions are discussed in terms that organic chemists would use. The book will benefit organic chemists, environmental engineers, water treatment professionals, hazardous waste specialists, and biologists. Although conceived as a comprehensive monograph, the book could also be used as a text or reference for environmental chemistry classes at the undergraduate or graduate level.

#### Cruising World Sheridan House, Inc.

This book reviews the economic potential of various natural resources found in the Egyptian deserts that could help fill the food gap in Egypt, e.g., the date palm, olives, and domestic animals. Bearing in mind that the entire country is subject to arid or hyperarid climatic conditions, only a small portion (3% of total area) is agriculturally productive in comparison, the dominant deserts. These aspects, combined with a growing population (ca. 100 million citizens) and water resources scarcity, have produced severe adverse effects on natural resource utilization. This book presents innovative methods for addressing desert soil's key problems (soil erosion, salinity, pollution, decreased fertility, minerals, and weed and pest control). Its goal is to help authorities reclaim the desert and optimally utilize the minerals and the available natural resources to support the sustainability agenda 2030. Besides, it offers researchers guidance on remaining gaps and future research directions. Lastly and importantly, it provides essential information on investment opportunities in desert cultivation, such as the fields of food, fodder, and medicinal plants.

#### Yachting Springer

Marine Diesel Basics 1 Voyage Press

#### *Shipping in Arctic Waters* Springer

The storage of electroenergy is an essential feature of modern energy technologies. Unfortunately, no economical and technically feasible method for the solution of this severe problem is presently available. But electrochemistry is a favourite candidate from an engineering point of view. It promises the highest energy densities of all possible alternatives. If this is true, there will be a proportionality between the amount of electricity to be stored and the possible voltage, together with the mass of materials which make this storage possible. Insofar it is a matter of material science to develop adequate systems. Electricity is by far the most important secondary energy source. The present production rate, mainly in the thermal electric

power stations, is in the order of 1.3 TW. Rechargeable batteries (RB) are of widespread use in practice for electroenergy storage and supply. The total capacity of primary and rechargeable batteries being exploited is the same as that of the world electric power stations. However, the important goal in the light of modern energy technology, namely the economical storage of large amounts of electricity for electric vehicles, electric route transport, load levelling, solar energy utilization, civil video & audio devices, earth and spatial communications, etc. will not be met by the presently available systems. Unless some of the new emerging electrochemical systems are established up to date, RB's based on aqueous acidic or alkali accumulators are mainly produced today.

#### Global Perspective for Competitive Enterprise, Economy and Ecology John Wiley & Sons

This book constitutes the thoroughly refereed proceedings of the second International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), held on September 21–24, 2016 in Jaipur, India. The 80 revised papers presented were carefully reviewed and selected from 210 initial submissions and are organized in topical sections on image processing and artificial vision, computer networks and distributed systems, intelligent tools and techniques and applications using intelligent techniques.

#### Springer

This book constitutes the refereed proceedings of the Third International Conference on Cognitive Computing and Information Processing, CCIP 2017, held in Bengaluru, India, in December 2017. The 43 revised full papers presented were carefully reviewed and selected from 130 submissions. The papers are organized in topical sections on cognitive computing in medical information processing; cognitive computing and its applications; cognitive computing in video analytics.

#### **Reliability and Risk** Springer

This edited volume discusses the role of various microbial products in healthcare, environment and agriculture. Several microbial products are directly involved in solving major health problems, agricultural and environmental issues. In healthcare sector, microbes are used as anti-tumor compounds, antibiotics, anti-parasitic agents, enzyme inhibitors and immunosuppressive agents. Microbial products are also used to degrade xenobiotic compounds and bio-surfactants, for biodegradation process. In agriculture, microbial products are used to enhance nutrient uptake, to promote plant growth, or to control plant diseases. The book presents several such applications of microbes in the ecosystems. The chapters are contributed from across the globe and contain up-to-date information. This book is of interest to teachers, researchers, microbiologists and ecologists. Also the book serves as additional reading material for undergraduate and graduate students of agriculture, forestry, ecology, soil science, and environmental sciences.

#### **Biotechnology in Surgery** Springer Science & Business Media

Fuels, Lubricants, Coolants, and Filters easily helps a reader to understand these wonderful liquids and filters better. By starting with the basics, it builds your knowledge step-by-step in a very structured manner.

#### Global Change and Protected Areas Springer Science & Business Media

The most comprehensive and richest study undertaken so far of the factors and conditions that will determine the scope and range of shipping and shipping activities in Arctic waters now and in the future. Furthermore, it is the first study comparing the three Arctic transportation corridors, covering a variety of interacting and interdependent factors such as: - geopolitics, military affairs, global warming, sea ice melting, international economic trends, resources, competing modes of transportation, environmental challenges, logistics, ocean law and regulations, corporate governance, jurisdictional matters and rights of indigenous peoples, arctic cruise tourism and marine insurance.

#### *Manufacturing Strategy* Springer Science & Business Media

More and more sailors and powerboaters are buying and relying on electronic and electric devices aboard their boats, but few are aware of proper installation procedures or how to safely

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troubleshoot these devices if they go on the blink.

*Engine Lubrication* SAE International

This volume contains 74 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS, Visakhapatnam and supported technically by CSI Division V – Education and Research and PRF, Vizag. This volume contains papers mainly focused on applications of advanced intelligent techniques to video processing, medical imaging, machine learning, sensor technologies, and network security.

**Fuels, Lubricants, Coolants, and Filters** Springer Science & Business Media

High mountains can be considered as particularly appropriate environments to detect effects of climate change on natural biocoenoses in a global scale for the following reasons: Firstly, ecosystems at the 1-temperature limits of plant life are generally thought to be especially sensitive to climate change [1][2][3]. An already ongoing upward shift of vascular plants at high summits in the Alps, determined by the Austrian IGBP-research [4][5][6][7][8], is most likely a response to the atmospheric warming since the 19th century. Secondly, high mountains still comprise the most natural ecosystems in many countries, being largely untouched by human settlements and agricultural influences. Therefore, climatic effects on ecosystems can be studied without masking effects from human land use. Thirdly, high mountain ranges are present in virtually every major zoniobiome of the earth. The research initiative GLORIA aims to establish an urgently needed global monitoring network, by using high mountain ecosystems as sensitive indicators, as required in the “IGBP-Mountain Workplan” [9]. Moreover, a deeper understanding of assemblage mechanisms and assemblage processes in vegetation patterns as a contribution to ecological theory can be expected. This paper gives a short general overview about GLORIA and a first outline about the concept, method, and some few results of the “Multi Summit-Approach”, one of the basic intentions within the proposed network. It aims to encourage the involvement of high mountain researchers and research co-ordinators in a detailed discussion of the proposed research activities and in a co-operation within the planned global monitoring network.

**Indoor Air** Springer Nature

This book comprises a collection of chapters on green biopolymer nanocomposites. The book discusses the preparation, properties, and applications of different types of biodegradable polymers. An overview of recent advances in the fabrication of biopolymers nanocomposites from a variety of sources, including organic and inorganic nanomaterials, is presented. The book highlights the importance and impact of eco-friendly green nanocomposites, both environmentally and economically. The contents of this book will prove useful for students, researchers, and professionals working in the field of nanocomposites and green technology.

**Microbial Products for Health, Environment and Agriculture** Routledge  
Seeing is Understanding. The first VISUAL guide to marine diesel systems on recreational boats. Step-by-step instructions in clear, simple drawings explain how to maintain, winterize and recommission all parts of the system - fuel deck fill - engine - batteries - transmission - stern gland - propeller. Book one of a new series. Canadian author is a sailor and marine mechanic cruising aboard his 36-foot steel-hulled Chevrier sloop. Illustrations: 300+ drawings Pages: 222 pages Published: 2017 Format: softcover Category: Inboards, Gas & Diesel