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Innovative Control Systems for Tracked Vehicle Platforms John Wiley & Sons
This book presents practical information about hemispherical photography from the perspectives of field data acquisition, image processing and information retrieval methods. This book is organized into three sections. The first section describes what is

hemispherical photography and what are the fundamental elements of forest structure and light interactions within the forest canopy. The second section provides practical information about the equipment, procedures and tools for procuring, processing and analyzing hemispherical photographs. Armed with this information, the third section describes several applications of hemispherical photographs to forestry and natural resource assessment. The book concludes with a discussion about modelling tools and future directions of this rapidly growing field. There is currently no information source on the market that has this comprehensive range of topics combined in a

single book. The book will appeal to academics, graduate students, natural resource professionals and researchers alike. Pathology and Genetics of Skin Tumours Springer Science & Business Media
Cover -- Half Title -- Title Page -- Copyright Page -- Table of Contents -- Acknowledgements -- Introduction Approaches to an Intermediary Group -- Chapter 1 History of the Tranquebar Mission -- Chapter 2 Local Mission Workers -- Chapter 3 The Hierarchical Structure of the Mission Organization -- Chapter 4 Dialogue and Conflict -- Chapter 5 The Role of Local Mission Employees in Education -- Chapter 6 Women in the Tranquebar Mission -- Concluding Observations: Indian Mission

Employees and European-Indian Cultural Contact -- Biographies of South Indian Country Pastors -- Abbreviations -- Maps, Illustrations and Tables -- Note on the Spelling of Indian Terms -- Glossary -- Bibliography -- Sources -- Name of Persons -- Name of Places

The Westminster Handbook to Reformed Theology Elsevier Health Sciences

Our knowledge of reproductive medicine has expanded rapidly since the birth of Louise Brown, the first baby to be conceived by in vitro fertilization, which was performed by Professors Patrick Steptoe and Bob Edwards in Oldham, England, in 1978. Hardly a year goes by without the development of a new or a modification of an existing method of assisted reproduction. Within a relatively short period, in vitro fertilization has been introduced into the treatment of female infertility.

Intracytoplasmic sperm injection has also created new opportunities for the treatment of male infertility. The first edition of this book was published in 1996. In the second edition most of the chapters have been updated and additional interest is focused on intracytoplasmic sperm injection (ICSI) in view of the risk of malformations in newborns. This manual addresses the techniques of assisted reproduction that are available today. Competent authors from various centers

present, in a concise way, their tried-and-tested procedures, so that the latter can be readily implemented. Due to different legal regulations, the scope of assisted reproduction is much more limited in Germany than in many other countries. For example, whereas only three embryos may be created and transferred in Germany, such restrictions do not exist in several other European countries and the United States. Furthermore, heterologous fertilization, oocyte donation, and surrogate motherhood are banned in Germany.

The Universal Access Handbook
Manual of International Marketing.
The theme of the 2nd International KES Symposium on Intelligent Interactive Multimedia Systems and Services was integration of multimedia processing techniques in a new wave of user-centric services and processes. This text offers the symposium's proceedings.

Manual of Environmental Microbiology IWA Publishing

In recent years, the field of Universal Access has made significant progress in consolidating theoretical approaches, scientific methods and technologies, as well as in exploring new application domains. Increasingly, professionals in this rapidly maturing area require a comprehensive and multidisciplinary

resource that addresses current principles, methods, and tools. Written by leading international authorities from academic, research, and industrial organizations and nonmarket institutions, The Universal Access Handbook covers the unfolding scientific, methodological, technological, and policy issues involved in the process of achieving universal access in the information society. In a collection of 61 chapters, the book discusses how to systematically apply universal design principles to information technologies. It explains the various dimensions of diversity in the technological platforms and contexts of use, including trends in mobile interaction and ambient intelligence environments. The implications of Universal Access on the development life cycle of interactive applications and services are unfolded, addressing user interface architectures and related components. Novel interaction methods and techniques for Universal Access are analyzed, and a variety of applications in diverse domains are discussed. The book reflects recent developments, consolidates present knowledge, and points towards new perspectives for the future. A quick glance through the contents demonstrates not only the breadth and depth of coverage but also the caliber of the contributions. An indispensable source of information for interdisciplinary and cross-thematic study, the book provides a baseline for further in-depth studies, as well as

an important educational tool in an increasingly globalized research and development environment.

Springer Science & Business Media

The second edition of the comprehensive two volume set brings respiratory medicine specialists fully up to date with the latest advances and information in their field. Beginning with an introduction to lung development and physiology of the respiratory system, the next chapters discuss pharmacology, symptoms, and respiratory diagnosis. Each of the following sections is dedicated to a specific type of respiratory disease or infection, further divided to provide in depth detail on every aspect of the topic. The text also explains how each respiratory disorder may be associated with other medical specialities such as critical care, cardiology, sleep medicine, and infectious diseases. This two volume set features numerous pulmonary radiographs including CT, nuclear images, bronchoscopy, and thoracoscopy, as well as tables and diagrams to enhance learning. Key Points Fully updated, new edition of two volume set providing latest advances in pulmonary and critical care medicine Covers numerous respiratory diseases and infections and their comorbidity with other medical specialties Highly illustrated with radiographic images, tables and diagrams Previous edition (9789350250730) published in 2011

Geocomputation Springer Science & Business Media

Welcome to the proceedings of GCC2004 and the city of Wuhan. Grid computing has become a mainstream research area in computer science and the GCC conference has become one of the premier forums for presentation of new and exciting research in all aspects of grid and cooperative computing. The program committee is pleased to present the proceedings of the 3rd International Conference on Grid and Cooperative Computing (GCC2004), which comprises a collection of excellent technical papers, posters, workshops, and keynote speeches. The papers accepted cover a wide range of exciting topics, including resource grid and service grid, information grid and knowledge grid, grid monitoring, management and organization tools, grid portal, grid service, Web services and their QoS, service orchestration, grid middleware and toolkits, software glue technologies, grid security, innovative grid applications, advanced resource

reservation and scheduling, performance evaluation and modeling, computer-supported cooperative work, P2P computing, automatic computing, and meta-information management. The conference continues to grow and this year a record total of 581 manuscripts (including workshop submissions) were submitted for consideration. Expecting this growth, the size of the program committee was increased from 50 members for GCC 2003 for 70 in GCC 2004. Relevant differences from previous editions of the conference: it is worth mentioning a significant increase in the number of papers submitted by authors from outside China; and the acceptance rate was much lower than for previous GCC conferences. From the 427 papers submitted to the main conference, the program committee selected only 96 regular papers for oral presentation and 62 short papers for poster presentation in the program. *Manual of International Marketing*. Springer
This book has been motivated by an urgent need for designing and

implementation of innovative control algorithms and systems for tracked vehicles. Nowadays the unmanned vehicles are becoming more and more common. Therefore there is a need for innovative mechanical constructions capable of adapting to various applications regardless the ground, air or water/underwater environment. There are multiple various activities connected with tracked vehicles. They can be distributed among three main groups: design and control algorithms, sensoric and vision based information, construction and testing mechanical parts of unmanned vehicles. Scientists and researchers involved in mechanics, control algorithms, image processing, computer vision, data fusion, or IC will find this book useful.

Environmental Software Systems.

Fostering Information Sharing Springer Science & Business Media

th The 15 International Conference on Applications of Natural Language to Information Systems (NLDB 2010) took place during June 23–25 in Cardiff (UK). Since the first edition in 1995, the NLDB

conference has been aiming at bringing together researchers, people working in industry and potential users interested in various applications of natural language in the database and information system area. However, in order to reflect the growing importance of accessing information from a diverse collection of sources (Web, Databases, Sensors, Cloud) in an equally wide range of contexts (including mobile and tethered), the theme of the 15th International Conference on Applications of Natural Language to Information Systems 2010 was "Communicating with Anything, Anywhere in Natural Language." Natural languages and databases are core components in the development of information systems. Natural language processing (NLP) techniques may substantially enhance most phases of the information system lifecycle, starting with requirement analysis, specification and validation, and going up to conflict resolution, result processing and presentation. Furthermore, natural language-based query languages and user interfaces facilitate the access to information for all and allow for new paradigms in the usage of computerized services. Hot topics such as information

retrieval (IR), software engineering applications, hidden Markov models, natural language interfaces and semantic networks and graphs imply a complete fusion of databases, IR and NLP techniques.

[Becker-Shaffer's Diagnosis and Therapy of the Glaucomas E-Book](#) Springer Nature

This book describes in detail rehabilitation protocols specific for those disorders that most frequently induce vertigo and dizziness. In particular, it highlights exercise protocols that will enable the best result to be obtained within the shortest time and with the most enduring therapeutic effect. Drawing on their personal experience, the authors describe physical exercises that will prove effective in delivering vestibular rehabilitation all over the world, regardless of the rehabilitation tools available. The presented protocols cover vertigo in a wide range of conditions. Helpful information is also provided on the clinical approach to vertigo and dizziness, vestibular rehabilitation from Cawthorne-Cooksey onward and the role of life-style counseling. By documenting effective functional and therapeutic approaches, *Vertigo Rehabilitation Protocols* will be an

invaluable resource for neurologists, ENT physicians, orthopedists and rehabilitation specialists.

DIANA Springer Science & Business Media
Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context is based on the work from the Saph Pani project (Hindi word meaning potable water). The book aims to study and improve natural water treatment systems, such as River Bank Filtration (RBF), Managed Aquifer Recharge (MAR), and wetlands in India, building local and European expertise in this field. The project aims to enhance water resources and water supply, particularly in water stressed urban and peri urban areas in different parts of the Indian sub-continent. This project is co-funded by the European Union under the Seventh Framework (FP7) scheme of small or medium scale focused research projects for specific cooperation actions (SICA) dedicated to international cooperation partner countries. **Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context** provides: an introduction to the concepts of natural water treatment systems (MAR, RBF, wetlands) at national and international level knowledge of the basics of MAR, RBF and wetlands, methods and hydrogeological characterisation an insight into case studies in India and abroad. This book is a useful

resource for teaching at Post Graduate level, for research and professional reference.

Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context: Saph Pani Springer

This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around

the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

Manual on Assisted Reproduction

Cambridge University Press

Pathology and Genetics of Skin Tumours is the latest volume in the new WHO series on histological and genetic typing of human tumours. This publication, offers an authoritative and concise reference book, providing an international standard for dermatologists, pathologists and oncologists and will serve as an indispensable guide for use in the design of studies monitoring response to therapy and clinical outcome. Diagnostic criteria, pathological features, and associated genetic alterations are described in strictly disease-oriented manner. Sections on all WHO-recognized neoplasms and their variants include ICD-O codes, incidence, age and sex distribution, location, clinical signs and symptoms, pathology, genetics, and predictive factors. The book, prepared by more than 150 authors from 20 countries, contains 648 colour photographs, clinical images and charts, and more than 2600 references. This volume covers keratinocytic,

melanocytic, appendageal, haematopoietic, soft tissue and neural tumours, as well as inherited tumour syndromes. Each entity is extensively discussed with information on clinicopathological, epidemiological, immunophenotypic and genetic aspects of these diseases.

Enterprise Level Security CRC Press
Compact yet comprehensive entries on theological terms as understood from a Reformed perspective are contained in this book. With pieces written by esteemed Reformed scholars, this book gives easy access to a wealth of theological information and summarizes the most significant aspects of Reformed theology.

Manual of Digital Earth Springer
Starts with an overview of today's FPGA technology, devices, and tools for designing state-of-the-art DSP systems. A case study in the first chapter is the basis for more than 30 design examples throughout. The following chapters deal with computer arithmetic concepts, theory and the implementation of FIR and IIR filters, multirate digital signal processing systems, DFT and FFT algorithms, and advanced algorithms with high future potential. Each chapter contains exercises. The VERILOG source code and a glossary are given in the appendices, while the

accompanying CD-ROM contains the examples in VHDL and Verilog code as well as the newest Altera "Baseline" software. This edition has a new chapter on adaptive filters, new sections on division and floating point arithmetics, an up-date to the current Altera software, and some new exercises.

Hemispherical Photography in Forest Science: Theory, Methods, Applications Springer

This book constitutes the refereed proceedings of the 14th Annual Conference on Theory and Applications of Models of Computation, TAMC 2017, held in Bern, Switzerland, in April 2017. The 45 revised full papers presented together with 4 invited papers were carefully reviewed and selected from 103 submissions. The main themes of TAMC 2017 have been computability, computer science logic, complexity, algorithms, and models of computation and systems theory.

AVIAN DISEASE MANUAL. Springer
This book offers a detailed investigation of breakdowns in traffic and transportation networks. It shows empirically that transitions from free flow to so-called synchronized flow, initiated by local disturbances at network bottlenecks, display a nucleation-type behavior: while small disturbances in free flow decay, larger ones grow further and lead to

breakdowns at the bottlenecks. Further, it discusses in detail the significance of this nucleation effect for traffic and transportation theories, and the consequences this has for future automatic driving, traffic control, dynamic traffic assignment, and optimization in traffic and transportation networks. Starting from a large volume of field traffic data collected from various sources obtained solely through measurements in real world traffic, the author develops his insights, with an emphasis less on reviewing existing methodologies, models and theories, and more on providing a detailed analysis of empirical traffic data and drawing consequences regarding the minimum requirements for any traffic and transportation theories to be valid. The book - proves the empirical nucleation nature of traffic breakdown in networks - discusses the origin of the failure of classical traffic and transportation theories - shows that the three-phase theory is incommensurable with the classical traffic theories, and - explains why current state-of-the art dynamic traffic assignments tend to provoke heavy traffic congestion, making it a valuable reference resource for a wide audience of scientists and

postgraduate students interested in the fundamental understanding of empirical traffic phenomena and related data-driven phenomenology, as well as for practitioners working in the fields of traffic and transportation engineering.

Textbook of Pulmonary and Critical Care Medicine Springer

This volume presents mathematical formulas and theorems commonly used in economics. It offers the first grouping of this material for a specifically economist audience, and it includes formulas like Roy's identity and Leibniz's rule.

National Library of Medicine Current Catalog Taylor & Francis

Authored by three prominent specialists in the field, this text provides comprehensive coverage of diagnostic and treatment modalities for optimal glaucoma management. Revised throughout, this new edition presents the latest guidance in clinical examination, randomized trials, medical treatment, laser therapy, and surgical procedures. Hundreds of illustrations—with many classic black and white figures from the previous editions supplemented with new color

images—depict the features of glaucomas and step-by-step procedures for their management, while expanded use of highlighted boxes, lists, and summary tables make the material easy to access. Evidence-based and updated information on all aspects of the glaucomas—including physiology, genetics, interventional trials, and new surgical techniques—offer a well-rounded foundation of knowledge for making the most informed diagnoses and choosing the most effective course of treatment. Combines the cumulative experience of three prominent glaucoma specialists—addressing a full range of clinical needs for practitioners of all levels—for a uniquely written coherent perspective. Includes extensive references to current and historically important sources to provide comprehensive interpretation of the latest medical literature. Synthesizes a classical approach to the glaucomas—based on seven earlier editions spanning over 40 years—with the most up-to-date evidence-based and epidemiologically-derived classifications and outcomes. Coherently correlates with authoritative consensus documents on key areas of glaucoma, drawn up by the world-wide specialists of the World Glaucoma

Association, and reprinted in the text. Revamps traditional teachings on the angle closure glaucomas, in concert with the newest international literature and technologies, to keep you up to date on the latest advances. Illustrates detailed surgical interventions applicable to the complete spectrum of clinical settings—from the developing world through contemporary operating rooms. Examines the newest and most promising developments in pharmacology, laser and surgical advances for glaucoma management, to enable you to choose the most effective patient approach. Illustrates invaluable but little-known instruments for clinical and research diagnoses, including optic nerve cupping scales, bleb assessment instruments, and more.

Leong's Manual of Diagnostic Antibodies for Immunohistology

Springer

Over the past decade, advances in sensor technology, processing algorithms, and computational capacity have taken remote sensing to a level where observations can be transformed into quantitative measurements, and the technology can be used in near real-

time for mapping, monitoring and decision-making. For the third edition, this widely acclaimed book has been fully revised, enlarged and updated. It covers remote sensing in a wide range of optical, thermal, and microwave wavelengths and their host of geologic applications featuring sample applications from around the globe. In addition, it presents state-of-the-art content on emerging themes such as atmospheric interactions, spectroscopy, spectral indices, prospectivity modelling, and multi-sensor geodata integration. The subject matter is presented at a basic level, offering students an excellent introductory text on remote sensing. Further, the main part of the book will also be of great value to active researchers. Excerpt from the review of *Remote Sensing Geology* (2nd ed., 2003): *International Journal of Applied Earth Observation and Geoinformation*, 5 (2004) 239–240 “...Graduate students, research workers and professional earth scientists will use this book to their advantage and with pleasure; it is well-

written, to the point and with an emphasis on understanding the principles underlying this wide spectre of technology in its application to the earth sciences. Remote sensing is a fascinating subject; so is geology. The author has fully succeeded in providing a fascinating book that combines them in a handy volume.” Jan J. Nossin