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Forall X John Wiley & Sons

Artificial Intelligence will either be the best or worst thing to happen to humanity. We do not yet know which. — Stephen Hawking As AI becomes more pervasive in every aspect of human life, there is an urgent need to understand it and harness it in a way that benefits mankind. But where do we begin? Will AI Dictate the Future breaks down this complex subject by examining AI 's impact on key sectors of our societies. Each chapter delves into one sector in turn, probing the myriad risks and opportunities brought about by AI: Healthcare Law Manufacturing Cybersecurity Mobility Financial Services Education Satellite Systems Government Written by Dr Anton Ravindran, together with chapters contributed by leading experts in their fields, this invaluable book provides a clear, comprehensive and authoritative look at how AI — managed wisely — can change the world for the better.

Who's Who in Science and Engineering 2008-2009 ASCE Publications

With the recent growth of big data and the internet of things (IoT), individuals can now upload, retrieve, store, and collect massive amounts of information to help drive decisions and optimize processes. Due to this, a new age of predictive computing is taking place, and data can now be harnessed to predict unknown occurrences or probabilities based on data collected in real time. Predictive Intelligence Using Big Data and the Internet of Things highlights state-of-the-art research on predictive intelligence using big data, the IoT, and related areas to ensure quality assurance and compatible IoT systems. Featuring coverage on predictive application scenarios to discuss these breakthroughs in real-world settings and various methods, frameworks, algorithms, and security concerns for predictive intelligence, this book is ideally designed for academicians, researchers, advanced-level students, and technology developers.

Community Nutrition for Developing Countries Springer Nature

Information Security in Diverse Computing Environments IGI Global

Report Writing Style Guide for Engineering Students Springer

This book constitutes the thoroughly refereed proceedings of the 14th International Conference on Image Analysis and Recognition, ICIAR 2017, held in Montreal, QC, Canada, in July 2017. The 73 revised full papers presented were carefully reviewed and selected from 133 submissions. The papers are organized in the following topical sections: machine learning in image recognition; machine learning for medical image computing; image enhancement and reconstruction; image segmentation; motion and tracking; 3D computer vision; feature extraction; detection and classification; biomedical image analysis; image analysis in ophthalmology; remote sensing; applications.

Acronyms, Initialisms & Abbreviations Dictionary OECD Publishing

The aim of this book is to give readers a broad review of topical worldwide advancements in theoretical and experimental facts, instrumentation and practical applications erudite by luminescent materials and their prospects in dealing with different types of luminescence like photoluminescence, electroluminescence, thermo-luminescence, triboluminescence, bioluminescence design and applications. The additional part of this book deals with the dynamics, rare-earth ions, photon down-/up-converting materials, luminescence dating, lifetime, bioluminescence microscopical perspectives and prospects towards the basic research or for more advanced applications. This book is divided into four main sections: luminescent materials and their associated phenomena; photo-physical properties and their emerging applications; thermoluminescence dating: from theory to applications, and bioluminescence perspectives and prospects. Individual chapters should serve the broad spectrum of common readers of diverse expertise, layman, students and researchers, who may in this book find easily elucidated fundamentals as well as progressive principles of specific subjects associated with these phenomena. This book was created by 14 contributions from experts in different fields of luminescence and technology from over 20 research institutes worldwide.

Luminescence CRC Press

Digital Communication using MATLAB and Simulink is intended for a broad audience. For the student taking a traditional course, the text provides simulations of the MATLAB and Simulink systems, and the opportunity to go beyond the lecture or laboratory and develop investigations and projects. For the professional, the text facilitates an expansive review of and experience with the tenets of digital communication systems.

Drum Marshall Cavendish International Asia Pte Ltd

Functionalized polymers are macromolecules to which chemically bound functional groups are attached which can be used as catalysts, reagents, protective groups, etc. Functionalized polymers have low cost, ease of processing and attractive features for functional organic molecules. Chemical reactions for the introduction of functional groups in polymers and the conversion of functional groups in polymers

depend on different properties. Such properties are of great importance for functionalization reactions for possible applications of reactive polymers. This book deals with the synthesis and design of various functional polymers, the modification of preformed polymer backbones and their various applications.

Space Resource Utilization: A View from an Emerging Space Faring Nation Springer

"For all x is an introduction to sentential logic and first-order predicate logic with identity, logical systems that significantly influenced twentieth-century analytic philosophy. After working through the material in this book, a student should be able to understand most quantified expressions that arise in their philosophical reading. This book treats symbolization, formal semantics, and proof theory for each language. The discussion of formal semantics is more direct than in many introductory texts. Although for all x does not contain proofs of soundness and completeness, it lays the groundwork for understanding why these are things that need to be proven. Throughout the book, I have tried to highlight the choices involved in developing sentential and predicate logic. Students should realize that these two are not the only possible formal languages. In translating to a formal language, we simplify and profit in clarity. The simplification comes at a cost, and different formal languages are suited to translating different parts of natural language. The book is designed to provide a semester's worth of material for an introductory college course. It would be possible to use the book only for sentential logic, by skipping chapters 4-5 and parts of chapter 6"--Open Textbook Library.

Applied Thermodynamics and Heat Transfer IGI Global

The book speaks to the need for a regulatory framework with regards to space resource utilization. In doing so, significant elements of the subject matter have been explored, taking into account the different phases of a space mission and the perspectives of the various actors and participants in the space arena. The book tackles the subject matter from a number of angles. An analysis of the current national and international governance frameworks is performed, with regards to resource extraction and utilization in space. The view of established and emerging space nations is analyzed next, specifically with extraction and utilization in mind, and in light of the new United States (US) Commercial Space Launch Competitiveness Act (CSLCA) of 2015. A brief analysis of the various budgets allocated to space exploration is given.

Being 14 BoD – Books on Demand

The proceedings set LNCS 13231, 13232, and 13233 constitutes the refereed proceedings of the 21st International Conference on Image Analysis and Processing, ICIAP 2022, which was held during May 23-27, 2022, in Lecce, Italy. The 168 papers included in the proceedings were carefully reviewed and selected from 307 submissions. They deal with video analysis and understanding; pattern recognition and machine learning; deep learning; multi-view geometry and 3D computer vision; image analysis, detection and recognition; multimedia; biomedical and assistive technology; digital forensics and biometrics; image processing for cultural heritage; robot vision; etc.

Who's Who of Southern Africa Athabasca University Press and UNISA Press

Shows how and why different kinds of tertiary education institutions engage in e-learning.

Project Management for Engineering, Business and Technology Marquis Whos Who

This book constitutes the presentations made at the Advanced Research Workshop on Autonomous Robotic Systems, which was held at the University of Coimbra, Portugal, June 1997. The aim of the meeting was to bring together leading researchers in the area of autonomous systems for mobility and manipulation, and the aim of this book is to share the presentations with the reader. The book presents the most recent developments in the field. Topics include sensors and navigation in mobile robots, robot

co-operation, telerobotics, legged robots, climbing robots and applications. Existing and emerging applications of autonomous systems are described in great detail, including applications in forestry, cleaning, mining, tertiary buildings, assistance to the elderly and handicapped, and surgery. The chapters are written in a structured and advanced tutorial style by leading specialists from Europe, Australia, Japan and USA. The style will allow the reader to grasp the state-of-the-art and research directions in the area of autonomous systems.

Advances in Face Image Analysis: Techniques and Technologies Springer Nature

Bearing in mind the large relative significance of problems involved in the removal of heat from the nuclear reactors and its conversion into other types of energy, the basic information on thermodynamics and heat transfer are treated. (Author).

Theories of Information Behavior Information Security in Diverse Computing Environments

This 8-volumes set constitutes the refereed of the 25th International Conference on Pattern Recognition Workshops, ICPR 2020, held virtually in Milan, Italy and rescheduled to January 10 - 11, 2021 due to Covid-19 pandemic. The 416 full papers presented in these 8 volumes were carefully reviewed and selected from about 700 submissions. The 46 workshops cover a wide range of areas including machine learning, pattern analysis, healthcare, human behavior, environment, surveillance, forensics and biometrics, robotics and egovision, cultural heritage and document analysis, retrieval, and women at ICPR2020.

Biobased and Environmentally Benign Coatings Bookstand Pub

This unique book presents authoritative overviews of more than 70 conceptual frameworks for understanding how people seek, manage, share, and use information in different contexts. A practical and readable reference to both well-established and newly proposed theories of information behavior, the book includes contributions from 85 scholars from 10 countries. Each theory description covers origins, propositions, methodological implications, usage, links to related conceptual frameworks, and listings of authoritative primary and secondary references. The introductory chapters explain key concepts, theory/method connections, and the process of theory development.

Autonomous Robotic Systems IGI Global

Nutrition textbooks used by universities and colleges in developing countries have very often been written by scholars who live and work in North America or the United Kingdom. And while the research and information they present is sound, the nutrition-related health challenges with which developing countries must grapple differ considerably from those found in highly industrialized Western nations. The primary aim of *Community Nutrition for Developing Countries* is to provide a book that meets the needs of nutritionists and other health professionals living and working in developing countries. Written by both scholars and practitioners, the volume draws on their wealth of knowledge, experience, and understanding of nutrition in developing countries to provide nutrition professionals with all the information they require. Each chapter addresses a specific nutrition challenge currently faced by developing countries such as food security, food safety, disease prevention, maternal health, and effective nutrition policy. In addition, the volume serves as an invaluable resource for those developing and implementing nutrition education programmes. With an emphasis on nutritional education as a means to prevent disease and effectively manage health disorders, it is the hope of the nearly three dozen contributors to this work that it will enhance the health and well-being of low-income populations throughout the world.

Image Analysis and Recognition Springer

SHORTLISTED FOR NON-FICTION BOOK OF THE YEAR, ABIA AWARDS 2018 Is your daughter 14? Are you struggling to know what's going on inside her head? Are you worried? This is the book that can help you understand how she's feeling, what she's thinking and what you need to do to help her navigate her tricky teens to become a fabulous woman. **BEING 14** gives a voice to every teen girl in Australia. Madonna King has interviewed 200 14-year-old girls across the country, talked to successful school principals, psychologists, CEOs, police, guidance and neuroscientists to reveal the social, psychological and physical challenges every 14-year-old girl is facing today. -How much independence do they need? -What is the power of a friendship group? -How do you help build self-confidence? -Why the obsession with selfies, social media and FOMO? -How are parents unknowingly making life so much harder for them? Overwhelmingly, these young girls - on the brink of

womanhood - struggle to tell their parents how they feel. That's why BEING 14 gives you the answers you are looking for. It's your daughter, talking to you. And her hope, beyond anything, is that you will listen. 'valuable for any parents of teens or pre-teens' SUNDAY TIMES

Information Security in Diverse Computing Environments Information Today, Inc.

Vols. for 1967-70 include as a section: Who's who of Rhodesia, Mauritius, Central and East Africa.

Annual Report of the Department of Education IGI Global

This book will have the recent information on the developments in the emerging field of environmental-friendly coatings. Crucial aspects associated with coating research will be presented in form of the individual chapters. Close attention will be paid to include essential aspects that are necessary to understand the properties and applications of the novel materials. Different methods and techniques of synthesis and characterization will be detailed as individual chapters. It will also discuss the characterization techniques used in the area of such coatings. There will be chapters that describe the current status and future prospects. The topics will be selected so they are easy to understand and useful to new scholars as well as advanced learners. No book has been written on this subject so far.

E-learning in Tertiary Education Where Do We Stand? State University of New York Oer Services

Sustainable Engineering Practice: An Introduction provides a broad, fundamental understanding of sustainability principles and their application to engineering work. It is intended to fill a need for a primer on sustainability that can be introduced early in an engineer's career: it brings together all the basic dimensions of the history, concepts, and applications of sustainable engineering; and through a variety of examples and references, inspires and encourages engineers to pursue and integrate sustainable engineering into their work on a life-long basis. The report contains: background summary of the role and accomplishments of engineers in sustainable development. The complete report, Engineers and Sustainable Development, is contained on the accompanying CD ROM; summary of the major commitments made and implementation activities agreed upon at the World Summit on Sustainable Development, held in Johannesburg, South Africa, in September 2002, and the initial steps taken by the U.S. engineering community and its global partners; wide spectrum of examples, which describe how sustainability principles can and are being integrated and applied in engineering education, research will benefit from this primer on sustainable development and its concepts and applications.