the december 2016 issue of international financial statistics ifs is a standard source of statistics on all aspects of international and domestic finance this issue presents countries newly reporting monetary data for norway using the standardized report forms in this issue the following changes have been made changes to the group aggregates aligned with those published in the imf's world economic outlook weo 1 move of china p r macao 546 out of emerging and developing asia 505 to advanced economies 110 2 move of bolivia 218 and colombia 233 out of export earnings nonfuel economies 092 to export earnings fuel economies 080 removal of china p r macao 546 latvia 941 and lithuania 946 out of export earnings nonfuel economies 092 for countries where multiple exchange rates are in effect fund staff estimates of weighted average exchange rates are used in many cases the code of federal regulations title 26 contains the codified federal laws and regulations that are in effect as of the date of the publication pertaining to federal taxes and the internal revenue service this book investigates the ways in which people in the lake chad region that divides nigeria niger chad and cameroon deal with the crises of violence jihadism drought and climate change that continue to afflict the area in 2014 boko haram expanded into the lake chad region prompting a counter insurgency response and exacerbating pre existing social and ecological challenges drawing on extensive ethnographic research this book investigates how people within the liminal space of this key border region respond to and navigate the unpredictability which typifies their day to day lives building up a picture of individual and community experiences of crisis the book gradually demonstrates the complex interactions between economic circuits political orders socio religious processes and labour practices which operate in the
region this book will be of interest to researchers across African studies, security studies, political science, and border studies. Special edition of the Federal Register containing a codification of documents of general applicability and future effect with ancillaries. Special edition of the Federal Register containing a codification of documents of general applicability and future effect as of April 1 with ancillaries. Your one-stop resource for understanding current international financial reporting standards. With a free EPDF of the entire book as the International Accounting Standards Board (IASB) continues towards its goal of a set of high-quality financial reporting standards and makes significant strides in achieving global convergence of accounting standards. Worldwide international financial reporting standards (IFRS) continue to be important to the accounting world. Wiley IFRS 2013 provides the necessary tools for understanding the IASB standards and offers practical guidance and expertise on how to use and implement them. Covers the most recent international financial reporting standards (IFRS) and IFRIC interpretations. An indispensable guide to IFRS compliance. Provides a complete explanation of all IFRS requirements coupled with copious illustrations of how to apply the rules in complex, real-world situations.

Written by a world-class team of authors active in IFRS consulting, training, working with multinational listed companies, public sector entities, and SMEs. Wiley IFRS 2013 is an indispensable guide to IFRS compliance and see inside the book for full details on how to download the entire book as a free EPDF for quick searching and checking on your computer wherever you are.

Medical informatics is a field which continues to evolve with developments and improvements in foundational methods, applications, and technology, constantly offering opportunities for supporting the customization of healthcare to individual patients. This book presents the proceedings of the 16th World Congress of Medical and Health Informatics (Medinfo 2017) held in Hangzhou, China, in August 2017, which also marked the 50th anniversary of the International Medical Informatics Association (IMIA). The central theme of Medinfo 2017 was precision healthcare through informatics, and the scientific program was divided into five tracks: connected and digital health, human data science, human organizational and social aspects, knowledge management, and quality and safety and patient outcomes. The 249 accepted papers and 168 posters included here span the breadth and depth of sub-disciplines in biomedical and health informatics, such as clinical informatics, nursing informatics, consumer health informatics, public health informatics, human factors in healthcare, bioinformatics, and more.
translational informatics quality and safety research at the intersection of biomedical and health informatics and precision medicine the book will be of interest to all those who wish to keep pace with advances in the science education and practice of biomedical and health informatics worldwide this book provides a methodological understanding of the theoretical and technical limitations to the longevity of moore's law the book presents research on factors that have significant impact on the future of moore's law and those factors believed to sustain the trend of the last five decades research findings show that boundaries of moore's law primarily include physical restrictions of scaling electronic components to levels beyond that of ordinary manufacturing principles and approaching the bounds of physics the research presented in this book provides essential background and knowledge to grasp the following principles traditional and modern photolithography the primary limiting factor of moore's law innovations in semiconductor manufacturing that makes current generation cmos processing possible multi disciplinary technologies that could drive moore's law forward significantly design principles for microelectronic circuits and components that take advantage of technology miniaturization the semiconductor industry economic market trends and technical driving factors the complexity and cost associated with technology scaling have compelled researchers in the disciplines of engineering and physics to optimize previous generation nodes to improve system on chip performance this is especially relevant to participate in the increased attractiveness of the internet of things iot this book additionally provides scholarly and practical examples of principles in microelectronic circuit design and layout to mitigate technology limits of previous generation nodes readers are encouraged to intellectually apply the knowledge derived from this book to further research and innovation in prolonging moore's law and associated principles this three volume set provides a comprehensive yet concise global exploration of health and medicine from ancient times to the present day helping readers to trace the development of concepts and practices around the world from archaeological evidence of trepanning during prehistoric times to medieval europe's conception of the four humors to present day epidemics of diabetes and heart disease health concerns and medical practices have changed considerably throughout the centuries health and medicine through history from ancient practices to 21st century innovations is broken down into four distinct time periods antiquity through the middle ages the 15th through 18th centuries the 19th century and the 20th century and beyond each
of these sections features the same 13 chapter structure touching on a diverse array of topics such as women's health, medical institutions, common diseases, and representations of sickness and healing. The coverage is global, with the histories of the Americas, Europe, Asia, Africa, and Oceania compared and contrasted throughout the book. It also features a large collection of primary sources, including document excerpts and statistical data. These resources offer valuable insights and foster analytical and critical thinking skills. The definitive guide to risk arbitrage is fully updated with new laws, cases, and techniques. Risk arbitrage is the definitive guide to the field and features a comprehensive overview of the theory, techniques, and tools that traders and risk managers need to be effective. This new edition is completely updated and fully revised to reflect the changes in laws and technology and includes new case studies and a detailed discussion of computer-based trading systems. Readers gain deep insight into the factors and policies that affect merger transactions and the new developments that allow individuals to compete with professionals in managing risk arbitrage portfolios. The book provides techniques for computing spreads and determining risk with practice exercises that allow readers to become confident with new methods before using them professionally. The current wave of corporate mergers, acquisitions, restructurings, and similar transactions has created unprecedented opportunities for those versed in contemporary risk arbitrage techniques. At the same time, the nature of the current merger wave has lent such transactions a much higher degree of predictability than ever before, making risk arbitrage more attractive to all types of investors. Risk arbitrage provides the essential guidance needed to participate in the business. Get up to date on the most recent developments in risk arbitrage, examine new mergers and the legal changes that affect them, learn how computers and trading systems have affected competition, and use the tools that enable risk determination and spread computation. Both the growth in hedge funds and the changing nature of the merger and acquisition business have affected risk arbitrage processes and techniques for the finance professional who needs expert guidance and the latest information. Risk arbitrage is a comprehensive guide—an introductory textbook that provides students with the essential information needed to plan and perform marketing research. For the first time, the second edition presents a balanced mix of qualitative and quantitative methods reflecting contemporary trends. This includes a new chapter on netnography and new and increased coverage of the digital aspects of marketing research and the
impact of social media and the online environment the book includes exercises and activities within the chapters that can be used in class along with a collection of new international case studies including europe renault france miele germany online grocery markets in france and germany africa the robben island museum in cape town south africa vergenoegd wine estate in south africa text message surveying in kenya australia campos coffee asia uber and social media usage in india cinemas and confectionary markets in china coffee culture in south korea the book is complemented by chapter specific lecturer powerpoint slides suitable reading for students who are new to marketing research civil society organizations csos can make a vital contribution to public health and health systems but harnessing their potential is complex in a europe where government cso relations vary so profoundly this study is intended to outline some of the challenges and assist policy makers in furthering their understanding of the part csos can play in tandem and alongside government to this end it analyses existing evidence and draws on a set of seven thematic chapters and six mini case studies they examine experiences from austria bosnia herzegovina belgium cyprus finland germany malta the netherlands poland the russian federation slovenia turkey and the european union and make use of a single assessment framework to understand the diverse contexts in which csos operate the evidence shows that csos are ubiquitous varied and beneficial and the topics covered in this study reflect such diversity of aims and means anti tobacco advocacy food banks refugee health hiv aids prevention and cure and social partnership csos make a substantial contribution to public health and health systems with regards to policy development service delivery and governance this includes evidence provision advocacy mobilization consensus building provision of medical services and of services related to the social determinants of health standard setting self regulation and fostering social partnership however in order to engage successfully with csos governments do need to make use of adequate tools and create contexts conducive to collaboration to guide policy makers working with csos through such complications and help avoid some potential pitfalls the book outlines a practical framework for such collaboration this suggests identifying key csos in a given area clarifying why there should be engagement with civil society being realistic as to what csos can or will achieve and an understanding of how csos can be helped to deliver the inclusion of oncogene driven reprogramming of energy metabolism within the list of cancer hallmarks hanahan and weinberg cell 2000 2011 has provided major impetus
to further investigate the existence of a much wider metabolic rewiring in cancer cells which not only includes deregulated cellular bioenergetics but also encompasses multiple links with a more comprehensive network of altered biochemical pathways this network is currently held responsible for redirecting carbon and phosphorus fluxes through the biosynthesis of nucleotides amino acids lipids and phospholipids and for the production of second messengers essential to cancer cells growth survival and invasiveness in the hostile tumor environment the capability to develop such a concerted rewiring of biochemical pathways is a versatile tool adopted by cancer cells to counteract the host defense and eventually resist the attack of anticancer treatments integrated efforts elucidating key mechanisms underlying this complex cancer metabolic reprogramming have led to the identification of new signatures of malignancy that are providing a strong foundation for improving cancer diagnosis and monitoring tumor response to therapy using appropriate molecular imaging approaches in particular the recent evolution of positron emission tomography pet magnetic resonance spectroscopy mrs spectroscopic imaging mrsi functional mr imaging fmri and optical imaging technologies combined with complementary cellular imaging approaches have created new ways to explore and monitor the effects of metabolic reprogramming in cancer at clinical and preclinical levels thus the progress of high tech engineering and molecular imaging technologies combined with new generation genomic proteomic and phosphoproteomic methods can significantly improve the clinical effectiveness of image based interventions in cancer and provide novel insights to design and validate new targeted therapies the frontiers in oncology research topic exploring cancer metabolic reprogramming through molecular imaging focusses on current achievements challenges and needs in the application of molecular imaging methods to explore cancer metabolic reprogramming and evaluate its potential impact on clinical decisions and patient outcome a series of reviews and perspective articles along with original research contributions on humans and on preclinical models have been concertedly included in the topic to build an open forum on perspectives present needs and future challenges of this cutting edge research area dental and craniofacial treatments are actually based on advances in biomaterials tissue engineering and nanotechnology sciences these developments brought considerable improvements on biomaterials commonly used in dental clinics however there is still a medical need for innovative techniques and materials for a controllable and efficient regeneration repair of damaged
craniofacial tissues and teeth. The novel biomaterials imaging techniques and technological tools may offer thrilling perspectives for alternative treatments in dentistry. The ability of organisations to generate long-term value and growth depends to a very large extent on the capacity of the executive cohort to conceive and implement strategic initiatives through a well-motivated and enabled workforce. However, generating consistent value in today's volatile, uncertain, complex, and ambiguous VUCA and rapidly evolving digital economic landscape can be challenging, and therefore executives need to update their capabilities regularly to align with the changing value drivers required for long-term growth. To achieve the expected value and growth at a more sustainable level, executive development must be managed as a strategic asset and optimized through effective design and implementation. The effects must be proactively evaluated through meaningful leading indicators and actual hard measures. Value creation through executive development therefore offers a well-supported and clearly structured approach to address the gap between executive development initiatives and the creation of long-term organisational value and growth. This book provides a valuable resource to executives and management-development professionals, who have experienced frustration about the lack of non-value-adding executive development programmes. It also serves as a professional resource for managers of executive and management development programmes, organisational development departments, and organisational development consultants allowing them to integrate this material into existing programmes to achieve value-centric outcomes and to achieve long-term performance targets. Additionally, it serves as a teaching resource for participants in executive management development courses or seminars, globally offering them the capacity to conduct value-centric initiatives and gain the capacity to influence the tactical, operational, and strategic dimensions of their organisational performance. The importance of small towns is gaining increased recognition as a result of two developments: the first development concerns the possible role of small towns in migration flows and urbanization. Development of small towns in the form of improved basic services and other amenities has been promoted in order to abate the impact of urbanization on large urban centres and to alleviate service provision pressures in major urban centers whilst stimulating rural economies and eventually prompting social transformations. The second development concerns the targets set by the SDGs in 2015. SDG6 requires countries to ensure universal and equitable water services by 2030. This...
inclusive target requires that the water services needs of small towns are considered in the expansion of sustainable and equitable water services this book aims to contribute to the study of water services in small towns by critically examining different approaches and experiences of water supply in small towns it brings together empirical testimonies of how the implementation of reductionist models and the perseverance of certain principles underlying these models in the water sector have yielded suboptimal results much remains to be done before achieving universal service coverage in small towns is likely in order to do that we should start speaking of small towns as a category on their own and continue the work in elaborating further what these are and how they work in focus a book series that showcases the latest accomplishments in water research each book focuses on a specialist area with papers from top experts in the field it aims to be a vehicle for in depth understanding and inspire further conversations in the sector applying the multiple streams framework msf to a global range of case studies this pioneering modern guide addresses how policymakers decide what issues to attend to and which choices to make or implement in doing so it outlines that far from being the exception ambiguity and timing are integral parts of every comparative explanation of the policy process this book is a printed edition of the special issue rabies symptoms diagnosis prophylaxis and treatment that was published in tropicalmed this book offers insights into how international investment law iil has frustrated states protection of human rights in latin america and iil has generally abstained from dealing with inter regime frictions in these circumstances this study not only argues that iil should be an object of contention and debate politicisation it also contends that latin american countries have traditionally been the frontrunners in the politicisation of international legal instruments protecting foreign investment questioning whether the paradigms informing their claims articulation are adequate to frame this debate it demonstrates that the so called right to regulate is the paradigm now prevalently used to challenge iil but that it is inadequate from a human rights perspective hence the book calls for a re politicisation of iil in latin america through a re conceptualization of how states regulation of foreign investment is understood under international human rights law which entails viewing it as an international duty after determining what the duty to regulate constitutes in relation to the right to water and indigenous peoples right to lands based on human rights doctrine the book analyses the extent to which latin american
countries are currently re politicising iil through an articulation of this international duty and arbitral tribunals responses to their argumentative strategies based on these findings the book not only proposes investment treaties reform to anchor the duty to regulate paradigm in iil and in the process to induce tribunals engagement with human rights arguments when they come to underpin respondent states defences in investor state dispute settlement isds in addition drawing upon the now likely defunct idea of creating a regional isds tribunal the book briefly reflects on options available to such a tribunal in terms of dealing with troubling normative institutional interactions between regimes during isds proceedings this book traces the development of the business human rights bhr regime that has so far culminated with the united nations guiding principles on business and human rights it first surveys the argumentation and negotiation strategies that led to agreement on key elements of the bhr regime despite a range conflicting interests across stakeholders from public private and not for profit organisations it then maps out pro active regulatory strategies and public private regulation for promoting responsible business conduct offering insights for civil society public regulators business managers academics and others the book will assist engaged parties in structuring their arguments within negotiation processes with a view to enhancing their influence on change in business organisations in support of sustainability and new norms of conduct christopher nolan is one of the defining directors of the 21st century few of his contemporaries can compete in terms of critical and commercial success let alone cultural impact his films have a rare ability to transcend audience expectations appealing to both casual moviegoers and dyed in the wool cineastes nolan s work ranges from gritty crime thrillers memento insomnia to spectacular blockbusters the dark knight trilogy inception they have taken audiences from the depths of space interstellar to the harsh realities of war dunkirk and they have pushed the boundaries of the possible in modern movie making this critical history covers his complete filmography tracing his career from film student to indie darling to oscar nominated auteur the wild and desolate expanses of antarctica have been the setting for many famous exploits and misadventures a place where every decision has life or death consequences legendary explorers such as shackleton mawson and scott continue to inspire to this day and their faithful ships the endurance aurora and tera nova are vivid characters in their fateful voyages of discovery the first and only australian built antarctic flagship aurora australis and her crews
have likewise secured a place in antarctic history this is the 30 year story of aurora australis and of her diverse charges crew technicians scientists explorers writers and artists it's the tale of a problem plagued construction two devastating fires a crippling besetment in ice and a blizzard induced grounding in antarctica it tells of brave rescue missions of other ships and their grateful crews and of the heroic administering of medical help while battling life threatening temperatures and hurricane force winds this is a tale of engineering brilliance team tenacity and human resilience it brings polar research to life and unveils stunning scientific discoveries it transforms the aurora australis into a compelling character in australia's chapter of antarctic history and makes heroes of the men and women who have guided her through the most inhospitable seascapes on earth IMF financial operations 2015 provides a broad introduction to how the IMF fulfills its mission through its financial activities it covers the financial structure and operations of the IMF and also provides background detail of the financial statements for the IMF's activities during the most recent financial year. This publication currently in its second edition updates a previous report entitled financial organization and operations of the IMF first published in 1986 and last issued in 2001. The sixth edition that 2001 report reflected the seismic shifts in the global economy and in the IMF's structure and operations that occurred after the fall of the Soviet Union and the various currency and financial crises of the 1990s. This revised and updated report covers more recent developments including measures taken in response to the global financial crisis of 2007-09 and the institutional reforms aimed at ensuring that the IMF's governance structure evolves in line with developments in the global economy. Measures to enhance the financial safety net for developing economies as well as reforms to the IMF's income model for most people the mention of graffiti conjures up notions of subversion defacement and underground culture yet the term was coined by classical archaeologists excavating Pompeii in the 19th century and has been embraced by modern street culture. Graffiti have been left on natural sites and public monuments for tens of thousands of years they mark a position in time a relation to space and a territorial claim they are also material displays of individual identity and social interaction as an effective socially accepted medium of self-definition ancient graffiti may be compared to the modern use of social networks this book shows that graffiti a very ancient practice long hidden behind modern disapproval and street culture have been integral to literacy and self expression.
throughout history graffiti bear witness to social events and religious practices that are difficult to track in normative and official discourses this book addresses graffiti practices in cultures ranging from ancient china and egypt through early modern europe to modern turkey in illustrated short essays by specialists it proposes a holistic approach to graffiti as a cultural practice that plays a key role in crucial aspects of human experience and how they can be understood u s marines 2016 mini is a 7x7 16 month wall calendar that features high powered images of marine corps servicemen and servicewomen on active duty profiling what it is like to be one of them this calendar helps you to participate in the war like never before you ll feel like you re part of the action from the safety of your home or office all while paying respect to those men and women who sacrifice for their country since the entry into force of the treaty of lisbon key improvements have occurred in the democratisation of eu international relations through the increased powers of the european parliament nevertheless a comprehensive legal analysis of the new developments in democratic control of eu external action has not yet been performed this book aims to improve the understanding of the set of mechanisms through which democratic control is exerted over eu external action in times of profound transformations of the legal and political architecture of the european integration process it analyses the role of the court of justice in the democratisation of international relations through eu law and further provides a legal overview of the role of the european parliament in the conduct of the eu s international relations in those areas where the powers of the parliament have greatly increased the book aims to raise questions as to whether this enhanced position has contributed to a more consistent external action at the same time the book aims to contribute to the debate on judicial activism in connection with the democratisation of eu external action it offers the reader a detailed and topical analysis of the recent developments in democratic control of external action which are of relevance in the daily practice of eu external relations lawyers including the topic of mixed agreements this text will be of key interest to scholars and students working on eu external relations law eu institutional law european union studies politics international relations and more broadly to policy makers and practitioners particularly to those with an interest on the european parliament and the court of justice of the european union lymphocytes constantly survey the lymph nodes in search for potential infection by a pathogen they enter the afferent lymphatic
vessel that serves as a conduit to transport the motile lymphocytes to the draining lymph node. Lymphatic vessels (LVs) are present in most vascularized tissues; they are traditionally regarded as passive conduits for soluble antigens and leukocytes. Afferent LVs begin as blind-ended capillaries which give rise to collecting vessels that merge and connect with draining lymph nodes (DLNs). Initial lymphatic capillaries are composed of lymphatic endothelial cells (LECs) connected by discontinuous cell junctions, which join to form larger collecting lymphatic vessels and ultimately feed into the LN subcapsular sinus within the LN. LECs are localized to the subcapsular cortical and medullary sinuses where they interact with incoming and exiting leukocytes. LECs and in general LN stromal cells have emerged in the recent years as active players in the immune response. In support of this, studies have shown that the immune response generated during inflammation and under pathologic conditions is accompanied by modeling of the LVs and generation of new lymphatics. A process known as lymphangiogenesis. These facts strongly suggest that LECs and stromal LN cells in general are not inert players but rather are part of the immune response by organizing immune cells movement, exchanging information, and supplying survival factors. The purpose of this research topic is to review the role of the LECs during immune homeostasis and cancer. Considering the critical role of lymphangiogenesis in many pathologies like chronic and acute inflammation, autoimmunity, wound healing, graft rejection, and tumor metastasis, it is important to understand the molecular mechanisms that govern the cross-talks between the LECs and immune cells during homeostasis and inflammation. This book describes how the systems engineering (SE) methodology can be used to harness technology and enhance democracy within any political system. Moreover, it provides a practical roadmap for countries and politicians who are willing to change their existing system of governance to one that allows the people to have a meaningful say in this regard. The book compares and contrasts two countries: Mauritius and Australia, highlighting how SE and E democracy can be implemented in different contexts. Software methodologies, tools, and techniques have become an ever more important part of our lives and are crucial to the decision-making processes that affect us every day. This book presents papers from the 19th International Conference on New Trends in Intelligent Software Methodology Tools and Techniques (SOMET 2020) held in Kitakyushu, Japan, from 22 to 24 September 2020. The SOMET conferences bring together researchers and practitioners to share their original research results and experience of practical developments in software science and
related new technologies and this book explores new trends and theories that highlight the
direction and development of intelligent software methodologies tools and techniques it covers
newly developed techniques enhanced methodologies software related solutions and recently
developed tools as well as indicating the direction of future research and the 40 revised papers
included here have been selected by the somet20 international reviewing committee on the basis of
technical soundness relevance originality significance and clarity the book is divided into 5
chapters artificial intelligence techniques on software engineering and requirement engineering
software methods for informatics medical informatics and bio medicine applications applied
software tools techniques and related software engineering models intelligent software systems
design software quality software evolution and validation techniques and knowledge science and
intelligent computing providing an overview of the state of the art in software science and its
supporting technology this book will be of interest to all those working in the field due to more
and more frequent extreme climate events floods drought and frosts and due to the changes in
precipitation amounts seasonality intensity and warming temperatures that are impacting rainfed
agriculture and changing growing seasons the ministry of jihad e agriculture moja of the islamic
republic of iran asked the food and agriculture organization of the united nations fao to provide
assistance in setting up an improved agriculture monitoring system based on integral use of
advanced geospatial technologies to support development of the techniques policy and investment
conditions to achieve sustainable agricultural development under the current changing conditions
of climate the project has focused on the identification of state of the art methods and strategy
for acreage and yield estimation based on an assessment of the existing monitoring methodology
optimized through the use of remote sensing in addition the project benefitted from the
availability of multi temporal satellite images for testing and monitoring of a range of crops in
3 selected pilot areas the provinces of zanjan and mazandaran and the region of the south of
kerman the publication reports data collected processes followed and results obtained at this
stage of the still not completely concluded study while many associate the concept commonly
referred to as the military industrial complex with president dwight d eisenhower s 1961 farewell
address the roots of it existed two hundred years earlier this concept as benjamin franklin
cooling writes was part of historical lore as a burgeoning american nation discovered the
inextricable relationship between arms and the state in arming america through the centuries cooling examines the origins and development of the military industrial complex mic over the course of american history he argues that the evolution of america's military industrial business political experience is the basis for a contemporary american sparta cooling explores the influence of industry on security the increasing prevalence of outsourcing ever present economic and political influence and the evolving nature of modern warfare he connects the budding military industrial relations of the colonial era and industrial revolution to their formal interdependence during the cold war down to the present day resurrection of great power competition across eight chronological chapters cooling weaves together threads of industry finance privatization appropriations and technology to create a rich historical tapestry of us national defense in one comprehensive volume integrating information from both recent works as well as canonical older sources cooling's ambitious single volume synthesis is a uniquely accessible and illuminating survey not only for scholars and policymakers but for students and general readers as well this book is the publication of my phd dissertation and is written in the corresponding style the included research provides explorations and investigative reflections on rollenwahrnehmung a newly coined phrase meaning role perception fulfillment perspective and space through virtual reality vr game interfaces a number of important topics will be addressed like the creation of new experiences in the context of vr the extension and new development of various interaction paradigms various user experience ux aspects and user guidance in a sophisticated new medium placed in the field of design practice this research focuses on the creation of digital gaming artifacts while extrapolating insights and guidelines concerning vr interfaces hence this practice based research is derived from a portfolio of specifically developed interactive artifacts following the methodological approach of constructive design research these include the vr related games nicely dicely lizze and the light of dreams and gooze they were used for various lab experiments and showroom presentations while continually being refined throughout an iterative process nicely dicely is an abstract game based on physics in local multiplayer up to four players are able to compete or collaborate it is not a vr game per se but features both monoscopic and 3d stereoscopic vision modes which were tested in an experiment on their effect on player immersion lizze and the light of dreams is a singleplayer 3rd person hack and slay game based in a fantasy
universe in an experiment the game was used to primarily investigate in which ways 3rd person vr games can work for a broad audience regarding camera behavior gooze is a 1st person vr puzzle game taking place in a realistic horror environment with supernatural aspects it was designed with diverse vr interaction technologies in mind and offers users different options to play the game depending on available hardware and preferences the locomotion and virtual object interaction mechanics were tested in an experiment regarding their ux in summary this book illustrates various game interface and vr designs informing the emerging field of vr game development of the relationship between ux interfaces and gameplay furthermore guidelines for designing and developing specific aspects of vr games were identified and each single artifact can be used as a design and development precedent for practice and academia software has become ever more crucial as an enabler from daily routines to important national decisions but from time to time as society adapt to frequent and rapid changes in technology software development fails to come up to expectations due to issues with efficiency reliability and security and with the robustness of methodologies tools and techniques not keeping pace with the rapidly evolving market this book presents the proceedings of somet 19 the 18th international conference on new trends in intelligent software methodologies tools and techniques held in kuching malaysia from 23 25 september 2019 the book explores new trends and theories that highlight the direction and development of software methodologies tools and techniques and aims to capture the essence of a new state of the art in software science and its supporting technology and to identify the challenges that such a technology will have to master the book also investigates other comparable theories and practices in software science including emerging technologies from their computational foundations in terms of models methodologies and tools the 56 papers included here are divided into 5 chapters intelligent software systems design and techniques in software engineering machine learning techniques for software systems requirements engineering software design and development techniques software methodologies tools and techniques for industry and knowledge science and intelligent computing this comprehensive overview of information systems and research projects will be invaluable to all those whose work involves the assessment and solution of real world software problems natural gas a vital primary source of energy for the twenty first century economy is poised to play a major role in the medium to long term outlook of energy
systems worldwide its supply to power markets for electricity generation and other energy purposes through the stages of exploration production gathering processing transmission and distribution have been a key driver in gas commercialisation over the past two to three decades this book discusses insights from law and economics pertaining to gas and energy supply contracts regulation and institutions it provides an in depth law in context analysis of the approaches to developing competitive and secure gas to power markets in an increasingly international interrelated and interconnected value chain recognising a general move towards structural reforms and economic regulation of gas and energy markets globally the author incisively addresses the following questions is there a single ideal model or approach for ensuring effectiveness in the restructuring and regulation of gas supply to power markets if not then what constitutes the matrix of models and approaches what are the underlying principles assumptions and institutional structures that will enhance the modern approaches to developing competitive secure and sustainable gas supply to power markets what are the factors that determine or affect the effectiveness and efficiency of such approaches and regulatory frameworks the book critically explores the instrumental role of regulation and organisational institutions in the restructuring and development of gas supply markets it examines the evolution of economic approaches to regulation competitiveness and security of gas supply in the united states and the united kingdom it considers the eu as a supranational union of developed economies and nigeria as a developing economy in the process of applying these paradigms of economic regulation and restructuring of gas to power markets in a law and policy environment where training and educational centres lawyers and public and corporate energy advisors are becoming more concerned about competitiveness and efficiency in gas resource allocation and pricing and about high quality governance frameworks for industries that depend on reliable gas supplies this vital book will be warmly welcomed by lawyers policymakers energy consultants analysts regulators corporate investors academics and institutions concerned with and engaged in the business of exploration production and supply of gas for energy purposes while it is generally accepted by owners and users that vehicles such as airplanes or cars must be subjected to a pre defined maintenance plan during their lifetime this is less obvious in public opinion for engineering structures and buildings this may be related to the general feeling that moving objects should be more sensitive to aging and deterioration than
structures anchored in ground this may also relate to the fact that detailed maintenance manuals which are considered obligatory by insurance companies are generally for aircraft boats and cars but not systematically for civil engineering structures except for iconic or major projects the performance based approach to the durability design and assessment of concrete structures is also becoming increasingly popular in the construction sector in recent years numerous studies have been carried out worldwide in order to better assess the expected properties related to the durability of concrete this has led to the standardization of test protocols but also to a better understanding of the main parameters impacting the overall durability of concrete documentation related to durability indicators will then become increasingly necessary for the accurate implementation of a performance based approach that enables the promotion of sustainable materials durability models have a strong need for relevant in field data feedback in order to define accurate inputs for modelling both during the design process gathered from previous projects and during the follow up process to allow for re calibration of inputs and re assessment of durability expectations by the models if judged necessary a framework for data collection was therefore considered extremely importance by the fib commission 8 durability and is the objective of this fib technical report birth certificate and through life management documentation it is indeed very important to collect relevant data within a comprehensive and standardized format as now proposed by this fib bulletin thanks to its pre defined format compatible with the general fib framework birth certificate and through life management documentation will definitively be useful to owners for the maintenance plan and intervention strategies of their assets this operational technical report will also be very useful for designers as it should encourage the collection of relevant information in databases to be used for future projects where a realistic assessment of expected properties is considered through largely similar concrete mix designs under given exposure conditions the commission which deals with durability aspects hopes that this bulletin will provide users a valuable tool and perspective on service life management issues

*International Financial Statistics, December 2016*

*2016-12-01*
The December 2016 issue of International Financial Statistics (IFS) is a standard source of statistics on all aspects of international and domestic finance. This issue presents countries newly reporting monetary data for Norway using the standardized report forms. In this issue, the following changes have been made to the group aggregates aligned with those published in the IMF's World Economic Outlook (WEO):

1. Move of China P.R. Macao 546 out of emerging and developing Asia 505 to advanced economies 110.
2. Move of Bolivia 218 and Colombia 233 out of export earnings nonfuel economies 092 to export earnings fuel economies 080.
3. Removal of China P.R. Macao 546, Latvia 941, and Lithuania 946 out of export earnings nonfuel economies 092 for countries where multiple exchange rates are in effect. Fund staff estimates of weighted average exchange rates are used in many cases.

Title 26 Internal Revenue Part 1 (§ 1.1551 to end of part 1) (Revised as of April 1, 2014) 2014-04-01

The Code of Federal Regulations Title 26 contains the codified federal laws and regulations that are in effect as of the date of the publication pertaining to federal taxes and the internal revenue service.

Prologue 2016

This book investigates the ways in which people in the Lake Chad region that divides Nigeria, Niger, and Chad...

chad and cameroon deal with the crises of violence jihadism drought and climate change that continue to afflict the area in 2014 boko haram expanded into the lake chad region prompting a counter insurgency response and exacerbating pre existing social and ecological challenges drawing on extensive ethnographic research this book investigates how people within the liminal space of this key border region respond to and navigate the unpredictability which typifies their day to day lives building up a picture of individual and community experiences of crisis the book gradually demonstrates the complex interactions between economic circuits political orders socio religious processes and labour practices which operate in the region this book will be of interest to researchers across african studies security studies political science and border studies

Living through Crisis by Lake Chad 2022-07-13

special edition of the federal register containing a codification of documents of general applicability and future effect with ancillaries

Code of Federal Regulations 2015

special edition of the federal register containing a codification of documents of general applicability
Code of Federal Regulations 2015

your one stop resource for understanding current international financial reporting standards with a free epdf of the entire book as the international accounting standards board iasb continues towards its goal of a set of high quality financial reporting standards and makes significant strides in achieving global convergence of accounting standards worldwide international financial reporting standards ifrs continue to be important to the accounting world wiley ifrs 2013 provides the necessary tools for understanding the iasb standards and offers practical guidance and expertise on how to use and implement them covers the most recent international financial reporting standards ifrs and ifric interpretations an indispensable guide to ifrs compliance provides a complete explanation of all ifrs requirements coupled with copious illustrations of how to apply the rules in complex real world situations written by a world class team of authors active in ifrs consulting training working with multinational listed companies public sector entities and smes wiley ifrs 2013 is an indispensable guide to ifrs compliance and see inside the book for full details on how to download the entire book as a free epdf for quick searching and checking on your computer wherever you are
medical informatics is a field which continues to evolve with developments and improvements in foundational methods applications and technology constantly offering opportunities for supporting the customization of healthcare to individual patients this book presents the proceedings of the 16th world congress of medical and health informatics medinfo2017 held in hangzhou china in august 2017 which also marked the 50th anniversary of the international medical informatics association imia the central theme of medinfo2017 was precision healthcare through informatics and the scientific program was divided into five tracks connected and digital health human data science human organizational and social aspects knowledge management and quality and safety and patient outcomes the 249 accepted papers and 168 posters included here span the breadth and depth of sub disciplines in biomedical and health informatics such as clinical informatics nursing informatics consumer health informatics public health informatics human factors in healthcare bioinformatics translational informatics quality and safety research at the intersection of biomedical and health informatics and precision medicine the book will be of interest to all those who wish to keep pace with advances in the science education and practice of biomedical and health informatics worldwide

MEDINFO 2017: Precision Healthcare Through Informatics 2018-01-31
this book provides a methodological understanding of the theoretical and technical limitations to the longevity of moore's law. the book presents research on factors that have significant impact on the future of moore's law and those factors believed to sustain the trend of the last five decades. research findings show that boundaries of moore's law primarily include physical restrictions of scaling electronic components to levels beyond that of ordinary manufacturing principles and approaching the bounds of physics. the research presented in this book provides essential background and knowledge to grasp the following principles: traditional and modern photolithography, the primary limiting factor of moore's law, innovations in semiconductor manufacturing that makes current generation cmos processing possible, multi-disciplinary technologies that could drive moore's law forward significantly, design principles for microelectronic circuits and components that take advantage of technology miniaturization, the semiconductor industry economic market trends and technical driving factors, the complexity and cost associated with technology scaling have compelled researchers in the disciplines of engineering and physics to optimize previous generation nodes to improve system on chip performance. this is especially relevant to participate in the increased attractiveness of the internet of things iot. this book additionally provides scholarly and practical examples of principles in microelectronic circuit design and layout to mitigate technology limits of previous generation nodes. readers are encouraged to intellectually apply the knowledge derived from this book to further research and innovation in prolonging moore's law and associated principles.
this three volume set provides a comprehensive yet concise global exploration of health and medicine from ancient times to the present day helping readers to trace the development of concepts and practices around the world from archaeological evidence of trepanning during prehistoric times to medieval europe's conception of the four humors to present day epidemics of diabetes and heart disease health concerns and medical practices have changed considerably throughout the centuries health and medicine through history from ancient practices to 21st century innovations is broken down into four distinct time periods antiquity through the middle ages the 15th through 18th centuries the 19th century and the 20th century and beyond each of these sections features the same 13 chapter structure touching on a diverse array of topics such as women's health medical institutions common diseases and representations of sickness and healing in the arts coverage is global with the histories of the americas europe asia africa and oceania compared and contrasted throughout the book also features a large collection of primary sources including document excerpts and statistical data these resources offer readers valuable insights and foster analytical and critical thinking skills

Extending Moore's Law through Advanced Semiconductor Design and Processing Techniques 2018-09-13
the definitive guide to risk arbitrage fully updated with new laws cases and techniques risk arbitrage is the definitive guide to the field and features a comprehensive overview of the theory techniques and tools that traders and risk managers need to be effective this new edition is completely updated and fully revised to reflect the changes to laws and technology and includes new case studies and a detailed discussion of computer based trading systems readers gain deep insight into the factors and policies that affect merger transactions and the new developments that allow individuals to compete with professionals in managing risk arbitrage portfolios the book provides techniques for computing spreads and determining risk with practice exercises that allow readers to become confident with new methods before using them professionally the current wave of corporate mergers acquisitions restructurings and similar transactions has created unprecedented opportunities for those versed in contemporary risk arbitrage techniques at the same time the nature of the current merger wave has lent such transactions a much higher degree of predictability than ever before making risk arbitrage more attractive to all types of investors risk arbitrage provides the essential guidance needed to participate in the business get up to date on the most recent developments in risk arbitrage examine new mergers and the legal changes that affect them learn how computers and trading systems have affected competition use the tools that enable risk determination and spread computation both the growth in hedge funds and the changing nature of the merger and acquisition business have affected risk arbitrage processes and techniques for the finance professional who needs expert guidance and the latest information risk arbitrage is a comprehensive guide
Federal Register 2017

an introductory textbook that provides students with the essential information needed to plan and perform marketing research for the first time the second edition presents a balanced mix of qualitative and quantitative methods reflecting contemporary trends this includes a new chapter on netnography and new and increased coverage of the digital aspects of marketing research and the impact of social media and the online environment the book includes exercises and activities within the chapters that can be used in class along with a collection of new international case studies including europe renault france miele germany online grocery markets in france and germany africa the robben island museum in cape town south africa vergenoegd wine estate in south africa text message surveying in kenya australia campos coffee asia uber and social media usage in india cinemas and confectionary markets in china coffee culture in south korea the book is complemented by chapter specific lecturer powerpoint slides suitable reading for students who are new to marketing research

Health and Medicine through History [3 volumes] 2019-08-08

civil society organizations csos can make a vital contribution to public health and health systems but harnessing their potential is complex in a europe where government cso relations vary so profoundly
This study is intended to outline some of the challenges and assist policy makers in furthering their understanding of the part CSOs can play in tandem and alongside government. To this end, it analyses existing evidence and draws on a set of seven thematic chapters and six mini case studies. They examine experiences from Austria, Bosnia Herzegovina, Belgium, Cyprus, Finland, Germany, Malta, the Netherlands, Poland, the Russian Federation, Slovenia, Turkey, and the European Union and make use of a single assessment framework to understand the diverse contexts in which CSOs operate. The evidence shows that CSOs are ubiquitous, varied, and beneficial, and the topics covered in this study reflect such diversity of aims and means. Anti-tobacco advocacy, food banks, refugee health, HIV/AIDS, prevention and cure, and social partnership. CSOs make a substantial contribution to public health and health systems with regards to policy development, service delivery, and governance. This includes evidence provision, advocacy, mobilization, consensus building, provision of medical services and of services related to the social determinants of health, standard setting, self-regulation, and fostering social partnership. However, in order to engage successfully with CSOs, governments do need to make use of adequate tools and create contexts conducive to collaboration. To guide policy makers working with CSOs through such complications and help avoid some potential pitfalls, the book outlines a practical framework for such collaboration. This suggests identifying key CSOs in a given area, clarifying why there should be engagement with civil society, being realistic as to what CSOs can or will achieve, and an understanding of how CSOs can be helped to deliver.
the inclusion of oncogene driven reprogramming of energy metabolism within the list of cancer hallmarks hanahan and weinberg cell 2000 2011 has provided major impetus to further investigate the existence of a much wider metabolic rewiring in cancer cells which not only includes deregulated cellular bioenergetics but also encompasses multiple links with a more comprehensive network of altered biochemical pathways this network is currently held responsible for redirecting carbon and phosphorus fluxes through the biosynthesis of nucleotides amino acids lipids and phospholipids and for the production of second messengers essential to cancer cells growth survival and invasiveness in the hostile tumor environment the capability to develop such a concerted rewiring of biochemical pathways is a versatile tool adopted by cancer cells to counteract the host defense and eventually resist the attack of anticancer treatments integrated efforts elucidating key mechanisms underlying this complex cancer metabolic reprogramming have led to the identification of new signatures of malignancy that are providing a strong foundation for improving cancer diagnosis and monitoring tumor response to therapy using appropriate molecular imaging approaches in particular the recent evolution of positron emission tomography pet magnetic resonance spectroscopy mrs spectroscopic imaging mrsi functional mr imaging fmri and optical imaging technologies combined with complementary cellular imaging approaches have created new ways to explore and monitor the effects of metabolic reprogramming in cancer at clinical and preclinical levels thus the progress of high tech engineering and molecular imaging technologies combined with new generation genomic proteomic and phosphoproteomic methods can significantly improve the clinical effectiveness of image based interventions in cancer and provide novel insights to design and validate new targeted therapies the frontiers in oncology research topic exploring cancer metabolic reprogramming through molecular imaging focusses on current achievements challenges and needs in the
application of molecular imaging methods to explore cancer metabolic reprogramming and evaluate its potential impact on clinical decisions and patient outcome a series of reviews and perspective articles along with original research contributions on humans and on preclinical models have beenconcertedly included in the topic to build an open forum on perspectives present needs and future challenges of this cutting edge research area

FCC Record 2015

dental and craniofacial treatments are actually based on advances in biomaterials tissue engineering and nanotechnology sciences these developments brought considerable improvements on biomaterials commonly used in dental clinics however there is still a medical need for innovative techniques and materials for a controllable and efficient regeneration repair of damaged craniofacial tissues and teeth the novel biomaterials imaging techniques diagnostic and technological tools may offer thrilling perspectives for alternative treatments in dentistry

Marketing Research 2017-10-23

the ability of organisations to generate long term value and growth depends to a very large extent on
the capacity of the executive cohort to conceive and implement strategic initiatives through a well motivated and enabled workforce however generating consistent value in today’s volatile uncertain complex and ambiguous vuca and rapidly evolving digital economic landscape can be challenging and therefore executives need to update their capabilities regularly to align with the changing value drivers required for long term growth to achieve the expected value and growth at a more sustainable level executive development must be managed as a strategic asset and optimised through effective design and implementation and the effects must be proactively evaluated through meaningful leading indicators and actual hard measures value creation through executive development therefore offers a well supported and clearly structured approach to address the gap between executive development initiatives and the creation of long term organisational value and growth this book provides a valuable resource to executives and management development professionals who have experienced frustration about the lack of non value adding executive development programmes it also serves as a professional resource for managers of executive and management development programmes organisational development departments and organisational development consultants allowing them to integrate this material into existing programmes to achieve value centric outcomes and to achieve long term performance targets additionally it serves as a teaching resource for participants in executive management development courses or seminars globally offering them the capacity to conduct value centric initiatives and gain the capacity to influence the tactical operational and strategic dimensions of their organisational performance
the importance of small towns is gaining increased recognition as a result of two developments the first development concerns the possible role of small towns in migration flows and urbanization development of small towns in the form of improved basic services and other amenities has been promoted in order to abate the impact of urbanization on large urban centres and to alleviate service provision pressures in major urban centers whilst stimulating rural economies and eventually prompting social transformations the second development concerns the targets set by the sdgs in 2015 sdg6 requires countries to ensure universal and equitable water services by 2030 this inclusive target requires that the water services needs of small towns are considered in the expansion of sustainable and equitable water services this book aims to contribute to the study of water services in small towns by critically examining different approaches and experiences of water supply in small towns it brings together empirical testimonies of how the implementation of reductionist models and the perseverance of certain principles underlying these models in the water sector have yielded suboptimal results much remains to be done before achieving universal service coverage in small towns is likely in order to do that we should start speaking of small towns as a category on their own and continue the work in elaborating further what these are and how they work in focus a book series that showcases the latest accomplishments in water research each book focuses on a specialist area with papers from top experts in the field it aims to be a vehicle for in depth understanding and inspire further conversations in the sector
Exploring Cancer Metabolic Reprogramming through Molecular Imaging 2017-07-27

applying the multiple streams framework msf to a global range of case studies this pioneering modern guide addresses how policymakers decide what issues to attend to and which choices to make or implement in doing so it outlines that far from being the exception ambiguity and timing are integral parts of every comparative explanation of the policy process

Advances in Craniofacial and Dental Materials Through Nanotechnology and Tissue Engineering 2019-05-16

this book is a printed edition of the special issue rabies symptoms diagnosis prophylaxis and treatment that was published in tropicalmed

Value Creation through Executive Development 2018-12-07

this book offers insights into how international investment law iil has frustrated states protection of
human rights in Latin America and IIL has generally abstained from dealing with inter regime frictions in these circumstances this study not only argues that IIL should be an object of contention and debate politicisation it also contends that Latin American countries have traditionally been the frontrunners in the politicisation of international legal instruments protecting foreign investment questioning whether the paradigms informing their claims articulation are adequate to frame this debate it demonstrates that the so called right to regulate is the paradigm now prevalently used to challenge IIL but that it is inadequate from a human rights perspective hence the book calls for a re politicisation of IIL in Latin America through a re conceptualization of how states regulation of foreign investment is understood under International human rights law which entails viewing it as an international duty after determining what the duty to regulate constitutes in relation to the right to water and indigenous peoples right to lands based on human rights doctrine the book analyses the extent to which Latin American countries are currently re politicising IIL through an articulation of this international duty and arbitral tribunals responses to their argumentative strategies based on these findings the book not only proposes investment treaties reform to anchor the duty to regulate paradigm in IIL and in the process to induce tribunals engagement with human rights arguments when they come to underpin respondent states defences in investor state dispute settlement ISDS in addition drawing upon the now likely defunct idea of creating a regional ISDS tribunal the book briefly reflects on options available to such a tribunal in terms of dealing with troubling normative institutional interactions between regimes during ISDS proceedings
Water Services in Small Towns 2019-05-15

this book traces the development of the business human rights bhr regime that has so far culminated with the united nations guiding principles on business and human rights it first surveys the argumentation and negotiation strategies that led to agreement on key elements of the bhr regime despite a range conflicting interests across stakeholders from public private and not for profit organisations it then maps out pro active regulatory strategies and public private regulation for promoting responsible business conduct offering insights for civil society public regulators business managers academics and others the book will assist engaged parties in structuring their arguments within negotiation processes with a view to enhancing their influence on change in business organisations in support of sustainability and new norms of conduct

A Modern Guide to the Multiple Streams Framework 2023-11-03

christopher nolan is one of the defining directors of the 21st century few of his contemporaries can compete in terms of critical and commercial success let alone cultural impact his films have a rare ability to transcend audience expectations appealing to both casual moviegoers and dyed in the wool cineastes nolan s work ranges from gritty crime thrillers memento insomnia to spectacular blockbusters the dark knight trilogy inception they have taken audiences from the depths of space
interstellar to the harsh realities of war dunkirk and they have pushed the boundaries of the possible in modern movie making this critical history covers his complete filmography tracing his career from film student to indie darling to oscar nominated auteur

Rabies Symptoms, Diagnosis, Prophylaxis and Treatment 2018-02-21

the wild and desolate expanses of antarctica have been the setting for many famous exploits and misadventures a place where every decision has life or death consequences legendary explorers such as shackleton mawson and scott continue to inspire to this day and their faithful ships the endurance aurora and tera nova are vivid characters in their fateful voyages of discovery the first and only australian built antarctic flagship aurora australis and her crews have likewise secured a place in antarctic history this is the 30 year story of aurora australis and of her diverse charges crew technicians scientists explorers writers and artists it s the tale of a problem plagued construction two devastating fires a crippling besetment in ice and a blizzard induced grounding in antarctica it tells of brave rescue missions of other ships and their grateful crews and of the heroic administering of medical help while battling life threatening temperatures and hurricane force winds this is a tale of engineering brilliance team tenacity and human resilience it brings polar research to life and unveils stunning scientific discoveries it transforms the aurora australis into a compelling character in australia s chapter of antarctic history and makes heroes of the men and women who have guided her through the most inhospitable seascapes on earth
Re-Politicising International Investment Law in Latin America through the Duty to Regulate Paradigm 2021-05-22

IMF financial operations 2015 provides a broad introduction to how the IMF fulfills its mission through its financial activities. It covers the financial structure and operations of the IMF and also provides background detail of the financial statements for the IMF’s activities during the most recent financial year. This publication, currently in its second edition, updates a previous report entitled financial organization and operations of the IMF first published in 1986 and last issued in 2001. The sixth edition that 2001 report reflected the seismic shifts in the global economy and in the IMF’s structure and operations that occurred after the fall of the Soviet Union and the various currency and financial crises of the 1990s. This revised and updated report covers more recent developments including measures taken in response to the global financial crisis of 2007-09 and the institutional reforms aimed at ensuring that the IMF’s governance structure evolves in line with developments in the global economy. Measures to enhance the financial safety net for developing economies as well as reforms to the IMF’s income model are included.

Changing Sustainability Norms through Communication Processes
for most people the mention of graffiti conjures up notions of subversion defacement and underground culture yet the term was coined by classical archaeologists excavating pompeii in the 19th century and has been embraced by modern street culture graffiti have been left on natural sites and public monuments for tens of thousands of years they mark a position in time a relation to space and a territorial claim they are also material displays of individual identity and social interaction as an effective socially accepted medium of self definition ancient graffiti may be compared to the modern use of social networks this book shows that graffiti a very ancient practice long hidden behind modern disapproval and street culture have been integral to literacy and self expression throughout history graffiti bear witness to social events and religious practices that are difficult to track in normative and official discourses this book addresses graffiti practices in cultures ranging from ancient china and egypt through early modern europe to modern turkey in illustrated short essays by specialists it proposes a holistic approach to graffiti as a cultural practice that plays a key role in crucial aspects of human experience and how they can be understood

**Christopher Nolan 2018-10-10**

u s marines 2016 mini is a 7x7 16 month wall calendar that features high powered images of marine
corps servicemen and servicewomen on active duty profiling what it is like to be one of them this calendar helps you to participate in the war like never before you ll feel like you re part of the action from the safety of your home or office all while paying respect to those men and women who sacrifice for their country

Through Ice & Fire 2019-08-27

since the entry into force of the treaty of lisbon key improvements have occurred in the democratisation of eu international relations through the increased powers of the european parliament nevertheless a comprehensive legal analysis of the new developments in democratic control of eu external action has not yet been performed this book aims to improve the understanding of the set of mechanisms through which democratic control is exerted over eu external action in times of profound transformations of the legal and political architecture of the european integration process it analyses the role of the court of justice in the democratisation of international relations through eu law and further provides a legal overview of the role of the european parliament in the conduct of the eu s international relations in those areas where the powers of the parliament have greatly increased the book aims to raise questions as to whether this enhanced position has contributed to a more consistent external action at the same time the book aims to contribute to the debate on judicial activism in connection with the democratisation of eu external action it offers the reader a detailed and topical analysis of the recent developments in
democratic control of external action which are of relevance in the daily practice of EU external relations lawyers including the topic of mixed agreements this text will be of key interest to scholars and students working on EU external relations law EU institutional law European Union studies politics international relations and more broadly to policy makers and practitioners particularly to those with an interest on the European Parliament and the Court of Justice of the European Union

**IMF Financial Operations 2015 2015-10-05**

Lymphocytes constantly survey the lymph nodes in search for potential infection by a pathogen they enter the afferent lymphatic vessel that serves as a conduit to transport the motile lymphocytes to the draining lymph node lymphatic vessels LVS are present in most vascularized tissues they are traditionally regarded as passive conduits for soluble antigens and leukocytes afferent LVS begin as blind ended capillaries which give rise to collecting vessels that merge and connect with draining lymph nodes DLS initial lymphatic capillaries are composed of lymphatic endothelial cells LECS connected by discontinuous cell junctions which join to form larger collecting lymphatic vessels and ultimately feed into the LN subcapsular sinus within the LN LECS are localized to the subcapsular cortical and medullary sinuses where they interact with incoming and exiting leukocytes LECS and in general LN stromal cells have emerged in the recent years as active players in the immune response in support to this studies have shown that the immune response generated during inflammation and under pathologic conditions is accompanied by modeling of the LVS and generation of new
lymphatics a process known as lymphangiogenesis these facts strongly suggest that lecs and stromal ln cells in general are not inert players but rather are part of the immune response by organizing immune cells movement exchanging information and supplying survival factors the purpose of this research topic is to review the role of the lecs during immune homeostasis and cancer considering the critical role of lymphangiogenesis in many pathologies like chronic and acute inflammation autoimmunity wound healing graft rejection and tumor metastasis it is important to understand the molecular mechanisms that govern the cross talks between the lecs and immune cells during homeostasis and inflammation

Scribbling through History 2018-05-31

this book describes how the systems engineering se methodology can be used to harness technology and enhance democracy within any political system moreover it provides a practical roadmap for countries and politicians who are willing to change their existing system of governance to one that allows the people to have a meaningful say in this regard the book compares and contrasts two countries mauritius and australia highlighting how se and e democracy can be implemented in different contexts
software methodologies tools and techniques have become an ever more important part of our lives and are crucial to the decision making processes that affect us every day this book presents papers from the 19th international conference on new trends in intelligent software methodology tools and techniques somet20 held in kitakyushu japan from 22 24 september 2020 the somet conferences bring together researchers and practitioners to share their original research results and experience of practical developments in software science and related new technologies and this book explores new trends and theories that highlight the direction and development of intelligent software methodologies tools and techniques it covers newly developed techniques enhanced methodologies software related solutions and recently developed tools as well as indicating the direction of future research and the 40 revised papers included here have been selected by the somet20 international reviewing committee on the basis of technical soundness relevance originality significance and clarity the book is divided into 5 chapters artificial intelligence techniques on software engineering and requirement engineering software methods for informatics medical informatics and bio medicine applications applied software tools techniques and related software engineering models intelligent software systems design software quality software evolution and validation techniques and knowledge science and intelligent computing providing an overview of the state of the art in software science and its supporting technology this book will be of interest to all those working in the field
due to more and more frequent extreme climate events floods drought and frosts and due to the changes in precipitation amounts seasonality intensity and warming temperatures that are impacting rainfed agriculture and changing growing seasons the ministry of jihad e agriculture moja of the islamic republic of iran asked the food and agriculture organization of the united nations fao to provide assistance in setting up an improved agriculture monitoring system based on integral use of advanced geospatial technologies to support development of the techniques policy and investment conditions to achieve sustainable agricultural development under the current changing conditions of climate the project has focused on the identification of state of the art methods and strategy for acreage and yield estimation based on an assessment of the existing monitoring methodology optimized through the use of remote sensing in addition the project benefitted from the availability of multi temporal satellite images for testing and monitoring of a range of crops in 3 selected pilot areas the provinces of zanjan and mazandaran and the region of the south of kerman the publication reports data collected processes followed and results obtained at this stage of the still not completely concluded study

Cross Talk between Lymph Node Lymphatic Endothelial Cells and T
while many associate the concept commonly referred to as the military industrial complex with president dwight d eisenhower s 1961 farewell address the roots of it existed two hundred years earlier this concept as benjamin franklin cooling writes was part of historical lore as a burgeoning american nation discovered the inextricable relationship between arms and the state in arming america through the centuries cooling examines the origins and development of the military industrial complex mic over the course of american history he argues that the evolution of america s military industrial business political experience is the basis for a contemporary american sparta cooling explores the influence of industry on security the increasing prevalence of outsourcing ever present economic and political influence and the evolving nature of modern warfare he connects the budding military industrial relations of the colonial era and industrial revolution to their formal interdependence during the cold war down to the present day resurrection of great power competition across eight chronological chapters cooling weaves together threads of industry finance privatization appropriations and technology to create a rich historical tapestry of us national defense in one comprehensive volume integrating information from both recent works as well as canonical older sources cooling s ambitious single volume synthesis is a uniquely accessible and illuminating survey not only for scholars and policymakers but for students and general readers as well
this book is the publication of my phd dissertation and is written in the corresponding style the included research provides explorations and investigative reflections on rollenwahrnehmung a newly coined phrase meaning role perception fulfillment perspective and space through virtual reality vr game interfaces a number of important topics will be addressed like the creation of new experiences in the context of vr the extension and new development of various interaction paradigms various user experience ux aspects and user guidance in a sophisticated new medium placed in the field of design practice this research focuses on the creation of digital gaming artifacts while extrapolating insights and guidelines concerning vr interfaces hence this practice based research is derived from a portfolio of specifically developed interactive artifacts following the methodological approach of constructive design research these include the vr related games nicely dicely lizze and the light of dreams and gooze they were used for various lab experiments and showroom presentations while continually being refined throughout an iterative process nicely dicely is an abstract game based on physics in local multiplayer up to four players are able to compete or collaborate it is not a vr game per se but features both monoscopic and 3d stereoscopic vision modes which were tested in an experiment on their effect on player immersion lizze and the light of dreams is a singleplayer 3rd person hack and slay game based in a fantasy universe in an experiment the game was used to primarily investigate in which ways 3rd person vr games can work for a broad audience regarding camera behavior gooze is a 1st person vr puzzle game taking place in a realistic horror environment
with supernatural aspects it was designed with diverse vr interaction technologies in mind and offers users different options to play the game depending on available hardware and preferences the locomotion and virtual object interaction mechanics were tested in an experiment regarding their ux in summary this book illustrates various game interface and vr designs informing the emerging field of vr game development of the relationship between ux interfaces and gameplay furthermore guidelines for designing and developing specific aspects of vr games were identified and each single artifact can be used as a design and development precedent for practice and academia

Knowledge Innovation Through Intelligent Software Methodologies, Tools and Techniques 2020-09-30

software has become ever more crucial as an enabler from daily routines to important national decisions but from time to time as society adapts to frequent and rapid changes in technology software development fails to come up to expectations due to issues with efficiency reliability and security and with the robustness of methodologies tools and techniques not keeping pace with the rapidly evolving market this book presents the proceedings of somet 19 the 18th international conference on new trends in intelligent software methodologies tools and techniques held in kuching malaysia from 23 25 september 2019 the book explores new trends and theories that highlight the direction and development of software methodologies tools and techniques and aims to capture the
essence of a new state of the art in software science and its supporting technology and to identify the challenges that such a technology will have to master the book also investigates other comparable theories and practices in software science including emerging technologies from their computational foundations in terms of models methodologies and tools the 56 papers included here are divided into 5 chapters intelligent software systems design and techniques in software engineering machine learning techniques for software systems requirements engineering software design and development techniques software methodologies tools and techniques for industry and knowledge science and intelligent computing this comprehensive overview of information systems and research projects will be invaluable to all those whose work involves the assessment and solution of real world software problems

Improve agriculture monitoring systems through satellite imagery for the Islamic Republic of Iran 2019-12-09

natural gas a vital primary source of energy for the twenty first century economy is poised to play a major role in the medium to long term outlook of energy systems worldwide its supply to power markets for electricity generation and other energy purposes through the stages of exploration production gathering processing transmission and distribution have been a key driver in gas commercialisation over the past two to three decades this book discusses insights from law and
economics pertaining to gas and energy supply contracts regulation and institutions it provides an in
depth law in context analysis of the approaches to developing competitive and secure gas to power
markets in an increasingly international interrelated and interconnected value chain recognising a
general move towards structural reforms and economic regulation of gas and energy markets
globally the author incisively addresses the following questions is there a single ideal model or
approach for ensuring effectiveness in the restructuring and regulation of gas supply to power
markets if not then what constitutes the matrix of models and approaches what are the underlying
principles assumptions and institutional structures that will enhance the modern approaches to
developing competitive secure and sustainable gas supply to power markets what are the factors
that determine or affect the effectiveness and efficiency of such approaches and regulatory
frameworks the book critically explores the instrumental role of regulation and organisational
institutions in the restructuring and development of gas supply markets it examines the evolution of
economic approaches to regulation competitiveness and security of gas supply in the united states
and the united kingdom it considers the eu as a supranational union of developed economies and
nigeria as a developing economy in the process of applying these paradigms of economic regulation
and restructuring of gas to power markets in a law and policy environment where training and
educational centres lawyers and public and corporate energy advisors are becoming more
concerned about competitiveness and efficiency in gas resource allocation and pricing and about
high quality governance frameworks for industries that depend on reliable gas supplies this vital
book will be warmly welcomed by lawyers policymakers energy consultants analysts regulators
corporate investors academics and institutions concerned with and engaged in the business of
exploration production and supply of gas for energy purposes
while it is generally accepted by owners and users that vehicles such as airplanes or cars must be subjected to a pre-defined maintenance plan during their lifetime this is less obvious in public opinion for engineering structures and buildings this may be related to the general feeling that moving objects should be more sensitive to aging and deterioration than structures anchored in ground this may also relate to the fact that detailed maintenance manuals which are considered obligatory by insurance companies are generally for aircraft boats and cars but not systematically for civil engineering structures except for iconic or major projects the performance based approach to the durability design and assessment of concrete structures is also becoming increasingly popular in the construction sector in recent years numerous studies have been carried out worldwide in order to better assess the expected properties related to the durability of concrete this has led to the standardization of test protocols but also to a better understanding of the main parameters impacting the overall durability of concrete documentation related to durability indicators will then become increasingly necessary for the accurate implementation of a performance based approach that enables the promotion of sustainable materials durability models have a strong need for relevant in-field data feedback in order to define accurate inputs for modelling both during the design process gathered from previous projects and during the follow up process to allow for re-calibration of inputs and re-assessment of durability expectations by the models if judged necessary a framework for data collection was therefore considered extremely important by the fib commission
8 durability and is the objective of this fib technical report birth certificate and through life management documentation it is indeed very important to collect relevant data within a comprehensive and standardized format as now proposed by this fib bulletin thanks to its pre defined format compatible with the general fib framework birth certificate and through life management documentation will definitively be useful to owners for the maintenance plan and intervention strategies of their assets this operational technical report will also be very useful for designers as it should encourage the collection of relevant information in databases to be used for future projects where a realistic assessment of expected properties is considered through largely similar concrete mix designs under given exposure conditions the commission which deals with durability aspects hopes that this bulletin will provide users a valuable tool and perspective on service life management issues

Investigating Rollenwahrnehmung, Perspective and Space through Virtual Reality related Game Interfaces 2021-01-03

Advancing Technology Industrialization Through Intelligent Software
Preventing violent extremism through education 2017-04-17

Regulating Gas Supply to Power Markets 2018-05-08

Birth Certificate and Through-Life Management Documentation 2020-06-01
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