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 Executive Function and Education
 14th Mexican International Conference on Artificial Intelligence, MICAI 2015, Cuernavaca, Morelos, Mexico, October 25-31, 2015, Proceedings, Part I
 Business Battles in the US Energy Sector
 Handbook of Research on Redesigning the Future of Internet Architectures
 12th IFIP WG 12.5 International Conference and Workshops, AIAI 2016, Thessaloniki, Greece, September 16-18, 2016, Proceedings
 Fracture, Fatigue, Failure and Damage Evolution, Volume 8

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NATALIE JOEL

15 Practice Sets CTET Social Science Paper 2 for Class 6 to 8 for 2021 Exams Oxford University Press, USA

As the volume of global Internet traffic increases, the Internet is beginning to suffer from a broad spectrum of performance-degrading infrastructural limitations that threaten to jeopardize the continued growth of new, innovative services. In answer to this challenge, computer scientists seek to maintain the original design principles of the Internet while allowing for a more dynamic approach to the manner in which networks are designed and operated. The Handbook of Research on Redesigning the Future of Internet Architectures covers some of the hottest topics currently being debated by the Internet community at large, including Internet governance, privacy issues, service delivery automation, advanced networking schemes, and new approaches to Internet traffic-forwarding and path-computation mechanics. Targeting students, network-engineers, and technical strategists, this book seeks to provide a broad and comprehensive look at the next wave

of revolutionary ideas poised to reshape the very foundation of the Internet as we know it. [Proceedings of the 2019 Annual Conference on Experimental and Applied Mechanics](#) Springer
 The Guinean economy is growing at a faster than anticipated pace on the back of buoyant mining activity. The growth momentum is expected to continue, with real growth at about 6 percent in 2018 and over the medium term. However, risks of instability are heightened by the current electoral cycle.
 Frontiers Media SA
 This two-volume set LNICST 396 and 397 constitutes the post-conference proceedings of the Third EAI International Conference on Artificial Intelligence for Communications and Networks, AICON 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 79 full papers were carefully reviewed and selected from 159 submissions. The papers are organized in topical sections on Artificial Intelligence in Wireless Communications and Satellite Communications; Artificial Intelligence in Electromagnetic Signal Processing; Artificial Intelligence Application in Wireless Caching and Computing; Artificial Intelligence Application in Computer Network.

First Review of the Arrangement Under the Three-Year Extended Credit Facility, Financing Assurances Review, and Request for Modification and for Waivers of Nonobservance of Performance Criteria-Press Release; Staff Report; and Statement by the Executive Director for Guinea Bulletin of Electrical Engineering and Informatics Vol 3, No 2: June 2014
 This book analyzes the role of energy in Indian foreign policy, particularly in defining bilateral relations. It also focuses on the critical gaps in conceptualizing its formulations and recommends a framework for sustainable energy security. India, the fourth largest consumer of oil, is an energy-deficit economy, importing more than eighty percent of its needs. This makes securing energy integral to its foreign policy goals. Obviously it is important for India to actively participate in the global energy market and establish robust, enduring and nuanced diplomatic relations with energy exporting countries. Equally important is that India diversifies its energy mix and moves towards carbon-free growth. Renewable energy is today high on the global energy agenda. Indian energy policy thus has to address a range of issues, domestically and on foreign turf. It has to move beyond the transactional mode by creating equity in the global energy industry. Today, the global energy regime is undergoing fundamental changes, as is the power dynamics of the global energy

order. There are now many new producers and diverse consumers. The trade in energy has increased in volume and its direction has shifted from the West to the East, and the ongoing structural changes in the energy market call for a new security architecture. Given the complex and competitive environment of the new geo-economics and geopolitics of energy, the question could well be, should India frame energy issues in conflict mode or move toward innovative cooperation? In either case the message is that India needs an integrated energy security policy.

Functional Characterization of Insect Chemoreceptors: Receptivity Range, Expression and Evolution International Monetary Fund

Topical Issues of Rational Use of Natural Resources contains the contributions presented at International Forum-Contest of Young Researchers 2018 (St. Petersburg Mining University, Russia, 18-20 April 2018). The Forum-Contest is an excellent opportunity for young researchers to present their work to the scientific community involved in the extraction and processing of natural resources. The topics of the book include: • Prospecting and exploration of mineral deposits • Development of solid minerals deposits and safety of mining operations • Development of oil and gas fields and transportation of crude hydrocarbons • Modern technologies of construction work applied in the mineral complex • Metallurgy. Physical and chemical technologies of hydrocarbons treatment • Equipment, transport service and energy efficiency of mining enterprises • Economic tools of innovative development • Environmental protection • Geo information systems and nanotechnologies Topical Issues of Rational Use of Natural Resources collects the best reports presented at the Forum-Contest, and will be of interest to academics and professionals involved in the extraction and processing of natural resources.

Nowcasting and Forecasting Elections with Social Media Lulu.com

Fracture, Fatigue, Failure and Damage Evolution, Volume 8 of the Proceedings of the 2016 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the eighth volume of ten from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on a wide range of areas, including: In-situ Techniques for Fracture & Fatigue General Topics in Fracture & Fatigue Fracture & Fatigue of Composites Damage, Fracture, Fatigue & Durability Interfacial Effects in Fracture & Fatigue Damage Detection in Fracture & Fatigue

Smart Cities, Green Technologies and Intelligent Transport Systems OECD Publishing

This book constitutes the refereed proceedings of the 12th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2016, and three parallel workshops, held in Thessaloniki, Greece, in September 2016. The workshops are the Third Workshop on New Methods and Tools for Big Data, MT4BD 2016, the 5th Mining Humanistic Data Workshop, MHDW 2016, and the First Workshop on 5G - Putting Intelligence to the Network Edge, 5G-PINE 2016. The 30 revised full papers and 8 short papers presented at the main conference were carefully reviewed and selected from 65 submissions. The 17 revised full papers and 7 short papers presented at the 3 parallel workshops were selected from 33 submissions. The papers cover a broad range of topics such as artificial neural networks, classification, clustering, control systems - robotics, data mining, engineering application of AI, environmental applications of AI, feature reduction, filtering, financial-economics modeling, fuzzy logic, genetic algorithms, hybrid systems, image and video processing, medical AI applications, multi-agent systems, ontology, optimization, pattern recognition, support vector machines, text mining, and Web-social media data AI modeling. *Human Development Report 2015* Springer

This volume, covering metals and minerals, contains chapters on approximately 90 commodities. In addition, this volume has chapters on mining and quarrying trends and on statistical surveying methods used by Minerals Information, plus a statistical summary.

Mechanics of Flow-Induced Sound and Vibration, Volume 2 Springer Nature

This eBook contains the 19 articles that were part of a Special Topic in Frontiers in Genetics entitled "Genetics Research in Electronic Health Records Linked to DNA Biobanks". The Special Issue was published on-line in 2014-2015 and contained papers representing the diverse research ongoing in the integration of electronic health records (EHR) with genomics through basic, clinical, and translational research. We have divided the eBook into four Chapters. Chapter 1 describes the Electronic Medical Records and Genomics (eMERGE) network and its contribution to genomics. It highlights methodological questions related to large data sets such as imputation and population stratification. Chapter 2 describes the results of genetic studies on different diseases for which all the phenotypic information was extracted from the EHR with highly specific ePhenotyping algorithms. Chapter 3 focuses on more complex analyses of the genome including copy number

variants (CNV), pleiotropy com-bined with phenome-wide association studies (PheWAS), and epistasis (gene-gene interactions). Chapter 4 discusses the use of genetic data together with EHR-derived clinical data in clinical settings, and how to return genetic results to patients and providers. It also contains a comprehensive review on genetic risk scores. We have included mostly Original Research Articles in the eBook, but also Reviews and Methods papers on the relevant topics of analyzing and integrating genomic data. The release of this eBook is timely, since several countries are launching Precision Medicine initiatives. Precision Medicine is a new concept in patient care taking into account individual variability in genetic, environmental and lifestyle factors, when treating diseases or trying to prevent them from developing. It has become an important focus for biomedical, clinical and translational informatics. The papers presented in this eBook are well positioned to educate the readers about Precision Medicine and to demonstrate the potential study designs, methods, strategies, and applications where this type of research can be performed successfully. The ultimate goal is to improve diagnostics and provide better, more targeted care to the patient.

Big Data for Growth and Well-Being CRC Press

The importance of social media as a way to monitor an electoral campaign is well established. Day-by-day, hour-by-hour evaluation of the evolution of online ideas and opinion allows observers and scholars to monitor trends and momentum in public opinion well before traditional polls. However, there are difficulties in recording and analyzing often brief, unverified comments while the unequal age, gender, social and racial representation among social media users can produce inaccurate forecasts of final polls. Reviewing the different techniques employed using social media to nowcast and forecast elections, this book assesses its achievements and limitations while presenting a new technique of "sentiment analysis" to improve upon them. The authors carry out a meta-analysis of the existing literature to show the conditions under which social media-based electoral forecasts prove most accurate while new case studies from France, the United States and Italy demonstrate how much more accurate "sentiment analysis" can prove.

Capacity Mechanisms in EU Energy Markets Routledge

The remarkable performance of the Chinese economy in the last three decades has placed China at the centre of the world stage. In 1993, China became a net importer of energy, although it was not until the early 2000s that the world began to pay more attention to China's energy needs and its potential impact on the world. With China's energy search occurring within a hegemonic global structure dominated by the United States, the US watches with interest as China enhances its ties with energy-rich states. The book examines this triangular relationship and questions whether the US and China are in competition regarding access to the energy of a third state, within the context of a potential power transition. It includes case studies on China's energy relationship with countries such as Canada, Australia, Saudi Arabia, Nigeria, Brazil, Kazakhstan, Iran, Sudan and Venezuela and aims to understand the way a rising power interacts with the existing leading power and the possible outcome of this competition. The analytical framework employed helps the reader to understand not only the nature and pattern of triangles among US, China and the Resource Rich States under 'resource diplomacy', but also the salient features of US-China competition around the world. Making an impressive contribution to the literature in fields such as US-China relations, international relations, Chinese foreign policy and global energy geopolitics, this book will appeal to students and scholars of these subjects.

Conceptual Issues in Calibrating the Basel III Countercyclical Capital Buffer John Wiley & Sons

This paper discusses issues in calibrating the countercyclical capital buffer (CCB) based on a sample of EU countries. It argues that the main indicator for buffer decisions under the Basel III framework, the credit-to-GDP gap, does not always work best in terms of covering bank loan losses that go beyond what could be expected from economic downturns. Instead, in the case of countries with short financial cycles and/or low financial deepening such as transition and developing economies, the Basel gap is shown to work best when computed with a low, smoothing factor and adjusted for the degree of financial deepening. The paper also analyzes issues in calibrating an appropriate size of the CCB and, using a loss function approach, points to a tradeoff between stability of the buffer size and cost efficiency considerations.

Vol 3, No 2: June 2014 Arihant Publications India limited

Collection of selected, peer reviewed papers from the 3rd International Conference on Mechanical, Control, and Electronic Information (ICMCEI 2014), June 27 -29, 2014, Taiwan. Volume is indexed by Thomson Reuters CPCI-S (WoS). The 283 papers are grouped as follows: Chapter 1: Materials Science and Processing, Chapter 2: General Mechanical Engineering and Applied Mechanics,

Chapter 3: Mechatronics, Control Systems and Robotics, Chapter 4: Electrical Engineering, Apparatus and Power Engineering, Chapter 5: Electronics and Integrated Circuits, Embedded Technology, Chapter 6: Measurements, Testing and Monitoring, Chapter 7: Signal, Image Processing and Computational Mathematics, Chapter 8: Communication, Networks and Information Technologies, Chapter 9: Traffic and Transportation, Chapter 10: Construction and Mining, Chapter 11: Earth Science and Environmental Engineering, Chapter 12: Biomedical Engineering, Chapter 13: Product Design and Industrial Engineering

Fundamentals and Applications of AI: An Interdisciplinary Perspective CRC Press

Olfaction and taste are of critical importance to insects and other animals, since vital behaviours, including mate, food and host seeking, as well as predator and toxin avoidance, are guided by chemosensory cues. Mate and habitat choice are to a large extent determined by chemical signals, and chemoreceptors contribute accordingly to pre-mating isolation barriers and speciation. In addition to fundamental physiological, ecological and evolutionary consideration, the knowledge of insect taste and especially olfaction is also of great importance to human economies, since it facilitates a more informed approach to the management of insect pests of agricultural crops and forests, and insect vectors of disease. Chemoreceptors, which bind to external chemical signals and then transform and send the sensory information to the brain, are at the core of the peripheral olfactory and gustatory system and have thus been the focus of recent research in chemical ecology. Specifically, emphasis has been placed on functional characterization of olfactory receptor genes, which are derived from three large gene families, namely the odorant receptors, gustatory receptors and ionotropic receptors. Spatial expression patterns of olfactory receptors in diverse chemosensory tissues provide information on divergent functions, with regards to ecologically relevant behaviours. On the other hand, characterization of olfactory receptor activation profiles, or "deorphanization", provides complimentary data on the molecular range of receptivity to the fundamental unit of the olfactory sense. The aim of this Research Topic is to give an update on the breadth and depth of research currently in progress related to understanding the molecular mechanisms of insect chemoreception, with specific emphasis on the olfactory receptors.

Data-Driven Innovation Big Data for Growth and Well-Being Oxford University Press

Inspired from the legacy of the previous four 3DFEM conferences held in Delft and Athens as well as the successful 2018 AM3P conference held in Doha, the 2020 AM3P conference continues the pavement mechanics theme including pavement models, experimental methods to estimate model parameters, and their implementation in predicting pavement performance. The AM3P conference is organized by the Standing International Advisory Committee (SIAC), at the time of this publication chaired by Professors Tom Scarpas, Eyad Masad, and Amit Bhasin. *Advances in Materials and Pavement Performance Prediction II* includes over 111 papers presented at the 2020 AM3P Conference. The technical topics covered include: - rigid pavements - pavement geotechnics - statistical and data tools in pavement engineering - pavement structures - asphalt mixtures - asphalt binders The book will be invaluable to academics and engineers involved or interested in pavement engineering, pavement models, experimental methods to estimate model parameters, and their implementation in predicting pavement performance.

Legal Challenges and Regulatory Policy Issues International Monetary Fund

This book is ground breaking in its study of business actors in climate and energy politics. While various studies have demonstrated the influence of business actors across multiple policy domains, this is the first to examine the behaviour of business actors in energy centric industries in the US that will be vital for achieving a clean energy transition, namely the oil, gas, coal, utility, and renewable industries. Drawing on almost 80 interviews with senior energy executives, lobbyists, and policymakers, it asks two central questions: (i) how and why are business actors shaping energy policy contests in the US? And (ii) what are the implications for policymakers? In answering these questions, this book provides new insights about the preferences and strategies of business in the energy sector, and, significantly, it identifies strategies for policymakers seeking to regulate energy in the face of political resistance from incumbent fossil fuel industries. This book will be of particular value to students, scholars, and policymakers working in the fields of energy, climate, and environmental politics, as well as individuals generally interested in the role that business exerts over policy processes.

Disaster Risk Communication Springer

Bulletin of Electrical Engineering and Informatics (Buletin Teknik Elektro dan Informatika) ISSN: 2089-3191, e-ISSN: 2302-9285 is open to submission from scholars and experts in the wide areas of electrical, electronics, instrumentation, control, telecommunication and computer engineering

from the global world. The journal publishes original papers in the field of electrical, electronics, instrumentation & control, telecommunication, computer and informatics engineering. Vol 3, No 2 June 2014 Table of Contents Predictions on the Development Dimensions of Provincial Tourism Discipline Based on the Artificial Neural Network BP Model PDF Yang Yang, Jun Hu, Mu Zhang 69-76 Study on the Rough-set-based Clustering Algorithm for Sensor Networks PDF Fengmei Liang, Liyuan Zhang, Peng Sun 77-90 Varying Vector Pulse Width Modulation for Three Phase Inverter PDF Raju J, Kowsalya M 91-100 Optimal Determination of Size and Site of DGs in Mesh System Using PSO PDF Mohammad Salehi Male, Adel Akbari Majd, Ramtin Rasouli Nezhad 101-108 Voltage Sag Mitigation and Load Reactive Power Compensation by UPQC PDF P. Ajitha, D. Jananisri 109-112 A Power Quality Improvement for Microgrid Inverter Operated In Grid Connected and Grid Disconnected Modes PDF M. Tamil Selvi, D.G unapriya 113-118 Harmonic Reduction in Variable Frequency Drives Using Active Power Filter PDF M. Tamilvani, K. Nithya, M. Srinivasan, S.U Prabha 119-126 Sampled Reference Frame Algorithm Based on Space Vector Pulse Width Modulation for Five Level Cascaded H-Bridge Inverter PDF Gomathi C, Navya Nagath, Veerakumar S 127-140 Subthreshold Dual Mode Logic PDF J.Nageswara Reddy, T. Sathyanarayana, M.A. Khadar Baba 141-148

Electrochemical Engineering Across Scales Springer

An insurgency in Nigeria by the Islamist extremist group Boko Haram has left thousands dead, shaken Africa's biggest country and worried the world. Yet it remains a mysterious - almost unknowable - organisation. rough exhaustive on-the-ground reporting, Mike Smith takes readers inside the conflict and provides the first in-depth account of the violence and unrest. He traces Boko Haram from its beginnings as a small Islamist sect in Nigeria's remote north-east, led by a baby-faced but charismatic preacher, to its transformation into a hydra-headed entity, deploying

suicide bombers and abducting schoolgirls. Much of the book is told through the eyes of Nigerians who have found themselves caught between frightening insurgents and security forces accused of horrifying brutality. It includes the voices of a forgotten police officer left paralysed by an attack, women whose husbands have been murdered and a sword-wielding vigilante using charms to fend off insurgent bullets. It journeys through the sleaze and corruption that has robbed Africa's biggest oil producer of its potential, making it such fertile ground for extremism. Along the way it questions whether there can be any end to the violence and the ways in which this might be achieved. Interspersed with history, this book delves into the roots of this unholy war being waged by a virtually unknown organisation, which is set to shape the destiny of Africa's biggest economy and most populous state - and perhaps affect the future of Africa.

Contributions to the 2nd International Conference on Advances in Materials and Pavement Performance Prediction (AM3P 2020), 27-29 May, 2020, San Antonio, TX, USA
Springer Nature

Ensuring an adequate, long-term energy supply is a paramount concern in Europe. EU member states now intervene by encouraging investment in generation capacity, offering an additional revenue stream for conventional power plants in addition to the existing, heavily subsidised investments in renewable energy sources. These capacity remuneration mechanisms (or simply capacity mechanisms) have become a hot topic in the wider European regulatory debate. European electricity markets are increasingly interconnected, so the introduction of a capacity mechanism in one country not only distorts its national market but may have unforeseeable consequences for neighbouring electricity markets. If these mechanisms are adopted by several member states with no supra-national coordination and no consideration for their cross-border impact, they may cause serious market distortions and put the future of the European internal electricity market at risk. This book provides readers with an in-depth analysis of capacity

mechanisms, written by an expert team of policy-makers, economists, and legal professionals. It will be a first point of reference for regulators and policy-makers responsible for designing optimal capacity mechanisms in Europe, and will be an invaluable resource for academics and practitioners in the fields of energy, regulation, and competition.

Military Review Frontiers Media SA

The emergence of mobile money and other new forms of payment has changed the sovereign foundations of money. Starting as a Department for International Development funded project in Kenya, mobile money has now spread to many developing countries. This book looks at the regulatory issues that mobile money poses, and the potential risks to the financial system. It undertakes a comparative study of mobile money regimes in Kenya, Malawi, Tanzania, and South Africa. Although the main study is on Malawi, the lessons learnt are valuable to Sub-Saharan Africa in understanding the regulatory issues surrounding mobile money. The main argument that this book makes is that the traditional regulatory architecture of supervising the financial services is ill-suited to supervise new forms of money like mobile money. With no requirement for a bank account, mobile money is not subject to prudential regulation. Mobile money is now considered a key developmental tool to achieve financial inclusion among the poor, rural based, unbanked, and underbanked. As opposed to traditional additive forms of financial inclusion, mobile money is transformative. In most jurisdictions where it has been launched, mobile money has largely been regulated using light-touch, with regulation following innovation. This work, however, proposes an approach based on the concept of really responsive regulation. This approach is best suited to embrace mobile money as it passes from the pre-financial inclusion to the post-financial inclusion phases of its evolution. This book will appeal to students and academics in the financial regulation field.

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