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A Challenge from a Social Psychological Perspective CRC Press
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.
[Contributions to the 2nd International Conference on Advances in Materials and Pavement Performance Prediction \(AM3P 2020\), 27-29 May, 2020, San Antonio, TX, USA](#) CRC Press

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.
From Molecules to Processes Routledge

This book provides insights into waste management practices in developing countries, and the application of research and innovation in finding appropriate solutions to improved waste management. The chapters have been selected with a focus on organic waste beneficiation, a significant waste stream in developing countries; the role of government and associated policy interventions; citizen behaviour in support of greater waste recycling; and the safe management of hazardous waste, particularly healthcare risk waste.

Proceedings of the 2019 Annual Conference on Experimental and Applied Mechanics Kluwer Law International B.V.

Area Reports: International. These annual reviews are designed to provide timely statistical data on mineral commodities in various countries. Each report includes sections on government policies and programs, environmental issues, trade and production data, industry structure and ownership, commodity sector developments, infrastructure, and a summary outlook Audience: International minerals brokers, minerals buyers,

construction industry, chemical industry, commodities brokers, commodities transportation carriers, financial services executives, financial brokers, commodities exchange members, geologists
Issues and Challenges Springer
Developing novel and more effective treatments that improve quality of life for individuals with autism spectrum disorders is urgently needed. To date a wide range of behavioral interventions have been shown to be safe and effective for improving language and cognition and adaptive behavior in children and adolescents with ASD. However many people with ASD can receive additional benefit from targeted pharmacological interventions. One of the major drawback in setting up therapeutics intervention is the remarkable individual differences found across individuals with ASD. As a matter of fact the medications that are currently available address only symptoms associated with ASD and not the core domains of social and communication dysfunction. The pathogenesis paradigm shift of ASD towards synaptic abnormalities moved the research to pathway to disease that involve multiple systems and that are becoming the forefront of ASD treatment and are pointing toward the development of new targeted treatments. Some new therapeutics have been tested and others are being studied. In this context single gene disorders frequently associated with ASD such as Rett Syndrome, Fragile X and Tuberous Sclerosis have been of significant aid as neurobiology of these disorders is more clear and has a potential to shed light on the altered signaling in ASD. However much research is needed to further understand the basic mechanisms of disease and the relationship to idiopathic ASD. Clinical trials in children are underway with agents directed to core symptoms and to the associated disorders in the search of new therapeutics and progress are expected with possible new option for therapeutics in ASD in the upcoming future. Children and Adolescents with ASD and their families can provide important information about their experience with new treatments and this should be a priority for future research. In addition, research performed on genetic mouse models of ASD will keep on providing useful information on the molecular pathways disrupted in the disease, thus contributing to identify novel drug targets.

Frontiers Media SA
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.

Business Battles in the US Energy Sector 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.

Disaster Risk Communication Government Printing Office
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.

12th IFIP WG 12.5 International Conference and Workshops, AIAI 2016, Thessaloniki, Greece, September 16-18, 2016, Proceedings Springer

1.Book consists of practice sets of CTET paper -2 (Classes 6-8) 2.Prepare Guide has 15 complete Practice tests for the preparation of teaching examination 3.OMR Sheets and Performance Indicator provided after every Practice Set to check the level preparation 4.Answers and Explanations are given to clear the concepts 5.Previous Years ' Solved Papers are provided for Understanding paper pattern types & weightage of questions. CTET provides you with an opportunity to make a mark as an educator while teaching in Central Government School. Get the one-point solution to all the questions with current edition of "CTET Paper 2 Social Science (Class VI - VIII) – 15 Practice Sets" that is designed as per the prescribed syllabus by CBSE. As the title of the book suggests, it has 15 Practice Sets that is supported by OMR Sheet & Performance Indicator, to help students to the answer pattern and examine their level of preparation. Each Practice Set is accompanied by the proper Answers and Explanations for better understanding of the concepts. Apart from practice sets, it has Previous Years ' Solved Papers which is prepared to give insight of the exam pattern, Question Weightage and Types of Questions. To get through exam this practice capsule proves to be highly useful CTET Paper 1 exam. TOC Solved Paper 2021 (January), Solved Paper 2019 (December), Solved Paper 2019 (July), Solved Paper 2018 (December), Solved Paper 2016 (September), Solved Paper 2016 (February), Practice sets (1-15).

Proceedings of the International Forum-Contest of Young Researchers, April 18-20, 2018, St.

Petersburg, Russia Springer Nature

Challenges in Mechanics of Time-Dependent Materials, Volume 2 of the Proceedings of the 2019 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the second volume of six from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Experimental Mechanics, including papers in the following general technical research areas: Characterization Across Length Scales Extreme Conditions & Environmental Effects Soft Materials and Biomaterials Damage, Fatigue and Fracture Structure, Function and Performance Rate Effects in Elastomers Viscoelasticity & Viscoplasticity Research in Progress In-situ Techniques and Microscale Effects on Mechanical Behavior Fracture and Fatigue in Brittle Materials Novel Experimental Methods Fatigue and Fracture in Extreme Environments Integration of Models and Experiments Failure in Elastomers and Gels Rate Effects in Elastomers Microscale and Microstructural Effects on Mechanical Behavior Mechanics of Energy Materials Additive Manufacturing: Fatigue and Fracture Mechanics of Composite Materials Interfacial and Mixed-Mode Fracture Vibration Effects and High Cycle Fatigue Conceptual Issues in Calibrating the Basel III Countercyclical Capital Buffer Bloomsbury Publishing

This two-volume set LNCS 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.

Waste Management Practices in Developing Countries
John Wiley & Sons

Consumer behaviour is rapidly trending towards the use of digital devices as instruments through which to transact day-to-day business. This original and timely book shows how this trend creates new opportunities not only for retail consumers but also for financial service providers, regulators and central banks. The author offers a comprehensive overview of these opportunities and their countervailing legal and regulatory challenges. The author describes and analyses in unprecedented detail the application of digital financial innovation (FinTech), and some of its core manifestations, including virtual currencies, Blockchain and distributed ledger technologies to the delivery of financial services, in areas such as: – payments; – securities clearing and settlement; – central banking; – real-time access to financial information; – instant completion of core financial transactions; – data validation and reconciliation processes; and – digital contracting (smart contracts). Also clarified are the legal and other barriers to be overcome – including cybersecurity and risks to privacy – before any widespread adoption of digital innovation in the highly regulated financial sector context can occur. As an informed assessment of the legal merits and risks of technological innovation for financial service providers and central banks, and as a contribution to establishing a conceptual framework within which to analyse and better understand the applications of digital innovation to the financial sector, this practical work is bound to be welcomed by legal practitioners and legal scholars alike with an interest in financial services. Policymakers and regulators will also appreciate its guidance on how to temper the less benevolent aspects of FinTech with targeted, risk-focused regulation, so as to promote innovation and preserve the potential benefits for financial markets and their participants alike.

Work for Human Development Frontiers Media SA
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.

Applied Decisions in Area of Mechanical Engineering and Industrial Manufacturing Academic Press

This book is the twelfth in a series presenting research papers arising from MSc/MRes research projects undertaken by students of the School of Computing and Mathematics at Plymouth University. The publications in this volume are based upon research projects that were undertaken during the 2013/14 academic year. A total of 17 papers are presented, covering many aspects of modern networking and communication technology, including security, mobility, coding schemes and quality measurement. The expanded topic coverage compared to earlier volumes in this series reflects the broadening of our range of MSc programmes.

Specifically contributing programmes are:

Communications Engineering and Signal Processing, Computer and Information Security, Computer Science, Computing, Electrical and Electronic Engineering, Network Systems Engineering, and Robotics.

7th International Conference, SMARTGREENS, and 4th International Conference, VEHITS 2018, Funchal-Madeira, Portugal, March 16-18, 2018, Revised Selected Papers Trans Tech Publications Ltd

This book constitutes the thoroughly refereed post-conference proceedings of the 7th International Conference on Smart Cities and Green ICT Systems, SMARTGREENS 2018, and the 4th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2018, held in Funchal-Madeira, Portugal in March 2018. The 18 full papers presented during SMARTGREENS 2018 and VEHITS 2018 were carefully reviewed and selected from numerous submissions.

The papers reflect topics such as smart cities and green ICT systems; vehicle technology and intelligent transport systems. 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 CRC Press

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

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Third EAI International Conference, AICON 2021, Xining, China, October 23 – 24, 2021, Proceedings, Part I Springer

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.

Electrochemical Engineering Across Scales Taylor & Francis

Bulletin of Electrical Engineering and Informatics Vol 3, No 2: June 2014 Institute of Advanced Engineering and Science

India's Emerging Energy Relations International Monetary Fund

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.

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

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.