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D3Z28Q - MCGEE CAREY

What determines the capacity of countries to design, approve and implement effective public policies? To address this question, this book builds on the results of case studies of political institutions, policymaking processes, and policy outcomes in eight Latin American countries. The result is a volume that benefits from both micro detail on the intricacies of policymaking in individual countries and a broad cross-country interdisciplinary analysis of policymaking processes in the region.

This book is the inaugural volume a series entitled Polymeric Foams: Technology and Applications. Generally, thermoplastic and

thermoset foams have been treated as two separate practices in industry. Polymeric Foams: Mechanisms and Materials presents the basics of foaming in general build a strong foundation to those working in both thermoplastic a

The Eco-Design Handbook is the first book to present the best-designed objects for every aspect of the home and office, including the most environmentally sound materials and building products. The book contains three essential components. An introduction puts forward the history and latest thinking in green design strategies. Its core comprises two sections devoted to detailed illustrated descriptions of objects for domestic living and products for the office

or work-related activities. The third element is a vast reference source, defining available materials, from organic to specially developed eco-sensitive composites and then providing detailed information on manufacturers, design studios, green organizations, online information, as well as further reading and a glossary of useful terms and concepts. Lastly, a comprehensive index makes it possible for the reader to find any product, designer or manufacturer instantly. Corrosion-under-insulation (CUI) refers to the external corrosion of piping and vessels that occurs underneath externally clad/jacketed insulation as a result of the penetration of water. By its very nature CUI tends to remain

undetected until the insulation and cladding/jacketing is removed to allow inspection or when leaks occur. CUI is a common problem shared by the refining, petrochemical, power, industrial, onshore and offshore industries. In the first edition of this book published in 2008, the EFC Working Parties WP13 and WP15 engaged together to provide guidelines on managing CUI with contributions from a number of European refining, petrochemical and offshore companies. The guidelines are intended for use on all plants and installation that contain insulated vessels, piping and equipment. The guidelines cover a risk-based inspection methodology for CUI, inspection techniques and recommended best practice for mitigating CUI, including design of plant and equipment, coatings and the use of thermal spray techniques, types of insulation, cladding/jacketing materials and protection guards. The guidelines also include case studies. The original document first published in 2008 was very successful and provided an important resource in the continuing battle to mitigate CUI. Many members of the EFC corrosion community re-

quested an update and this has taken between 18-24 months to do so. Hopefully this revised document will continue to serve the community providing a practical source of information on how to monitor and manage insulated systems. Revised and fully updated technical guidance on managing CUI provided by EFC Working Parties WP13 and WP 15 Contributions from a number of European refining, petrochemical and offshore companies Extensive appendices that provide additional practical guidance on the implementation of corrosion-under-insulation best practice, collected practical expertise and case studies

This respected Handbook has earned its reputation as the authoritative source of information on bitumens used in road pavements and other surfacing applications. This new edition has been updated to ensure The Shell Bitumen Handbook retains its excellent reputation.

In surveying the vast range of writing on the East Asian NIEs and their development paths, this book evaluates the competing roles of neo-classical approaches and central government interven-

tion in guiding economic development.

This guide provides an overview of financial management and the practical tools that can help build the financial capacity of non-profit organisations and is intended for managers and trustees of non-profit organisations, providing tools and techniques for them to build financial systems and assess another organisation's financial capacity.

The chapters in this volume were presented at the July-August 2008 NATO Advanced Study Institute on Unexploded Ordnance Detection and Mitigation. The conference was held at the beautiful Il Ciocco resort near Lucca, in the glorious Tuscany region of northern Italy. For the ninth time we gathered at this idyllic spot to explore and extend the reciprocity between mathematics and engineering. The dynamic interaction between world-renowned scientists from the usually disparate communities of pure mathematicians and applied scientists which occurred at our eight previous ASI's continued at this meeting. The detection and neutralization of unexploded ordnance (UXO) has been of major concern for very many de-

ades; at least since the First World war. UXO continues to be the subject of intensive research in many fields of science, including mathematics, signal processing (mainly radar and sonar) and chemistry. While today's headlines emphasize the mayhem resulting from the placement of improvised explosive devices (IEDs), humanitarian landmine clearing continues to draw significant global attention as well. In many countries of the world, landmines threaten the population and hinder reconstruction and fast, efficient utilization of large areas of the mined land in the aftermath of military conflicts.

Building on advances in miniaturization and soft matter, surface tension effects are a major key to the development of soft/fluidic microrobotics. Benefiting from scaling laws, surface tension and capillary effects can enable sensing, actuation, adhesion, confinement, compliance, and other structural and functional properties necessary in micro- and nanosystems. Various applications are under development: microfluidic and lab-on-chip devices, soft gripping and manipulation of particles, colloidal and interfacial as-

semblies, fluidic/droplet mechatronics. The capillary action is ubiquitous in drops, bubbles and menisci, opening a broad spectrum of technological solutions and scientific investigations. Identified grand challenges to the establishment of fluidic microrobotics include mastering the dynamics of capillary effects, controlling the hysteresis arising from wetting and evaporation, improving the dispensing and handling of tiny droplets, and developing a mechatronic approach for the control and programming of surface tension effects. In this Special Issue of *Micromachines*, we invite contributions covering all aspects of microscale engineering relying on surface tension. Particularly, we welcome contributions on fundamentals or applications related to: Drop-botics: fluidic or surface tension-based micro/nanorobotics: capillary manipulation, gripping, and actuation, sensing, folding, propulsion and bio-inspired solutions; Control of surface tension effects: surface tension gradients, active surfactants, thermocapillarity, electrowetting, elastocapillarity; Handling of droplets, bubbles and liquid bridges: dispensing, confinement, displacement, stretching, rupture,

evaporation; Capillary forces: modelling, measurement, simulation; Interfacial engineering: smart liquids, surface treatments; Interfacial fluidic and capillary assembly of colloids and devices; Biological applications of surface tension, including lab-on-chip and organ-on-chip systems.

In the last decades, new experimental and numerical techniques have taken many advanced features of porous media mechanics down to practical engineering applications. This happened in areas that sometimes were not even suspected to be open to engineering ideas at all. The challenge that often faces engineers in the field of geomechanics, biomechanics, rheology and materials science is the translation of ideas existing in one field to solutions in the other. The purpose of the IUTAM symposium from which this proceedings volume has been compiled was to dive deep into the mechanics of those porous media that involve mechanics and chemistry, mechanics and electromagnetism, mechanics and thermal fluctuations of mechanics and biology. The different sections have purposely not been formed according to field

interest, but on the basis of the physics involved.

This book addresses the issue of climate change risks and hazards holistically. Climate change adaptation aims at managing climate risks and hazards to an acceptable level, taking advantage of any positive opportunities that may arise. At the same time, developing suitable responses to hazards for communities and users of climate services is important in ensuring the success of adaptation measures. But despite this, knowledge about adaptation options, including possible actions that can be implemented to improve adaptation and reduce the impacts of climate change hazards, is still limited. Addressing this need, the book presents studies and research findings and offers a catalogue of potential adaptation options that can be explored. It also includes case studies providing illustrative and inspiring examples of how we can adapt to a changing climate.

The book provides wide range of information on seed storage. In the beginning the biology of seeds and factors which influence seed viability and storage is explained. How the seed storage can be

made more effective from the initial selection and drying of seeds to protective measures, packaging and transportation is explained. All type of illustrations are provided in respect of machinery and facilities commonly used in the treatment and storage of seeds. Among many other, short accounts are given of varietal variation in viability of seeds variation in tolerance of mechanical injury sustained during handling, and cytological changes which take place during storage, including the spontaneous appearance of mutations and occurrence of chromosomal abnormalities. A Well produced and thorough book likely to be valued by all PG, researchers, seed societies botanist and Agriculturists and all those who are interested about seed storage.

This open access book identifies and discusses biodiversity's contribution to physical, mental and spiritual health and wellbeing. Furthermore, the book identifies the implications of this relationship for nature conservation, public health, landscape architecture and urban planning - and considers the opportunities of nature-based solutions for cli-

mate change adaptation. This transdisciplinary book will attract a wide audience interested in biodiversity, ecology, resource management, public health, psychology, urban planning, and landscape architecture. The emphasis is on multiple human health benefits from biodiversity - in particular with respect to the increasing challenge of climate change. This makes the book unique to other books that focus either on biodiversity and physical health or natural environments and mental wellbeing. The book is written as a definitive 'go-to' book for those who are new to the field of biodiversity and health.

- Japan is a leader in screening for and treating gastric cancer - this title first publishes Japan's newest research in English
- Contributors are internationally recognized specialists with publications on gastrointestinal cancers in many high ranking medical journals from Europe and the USA
- Michio Kaminishi was president of the 3rd International Conference of the ISGC

"A novel, insightful and provocative foray into the abilities, capacities and limits of corporate power on the one hand and public power and capaci-

ties on the other hand. Eckert offers new and refine insights on core issues in the theories of public and private interest regulation.”—David Levi Faur, Hebrew University of Jerusalem, Israel “This impressive book breaks important ground in the regulatory governance literature by bringing in a fresh corporate perspective. Based on a set of fascinating case studies of European regulation, Eckert compellingly unpacks key facets of corporate power. A must-read for regulation scholars who often neglect the targets of regulation!”—Burkard Eberlein, York University, Canada “This book offers systematic and empirically fascinating insights into the regulatory power of corporations which unfolds outside the traditional political arenas. Its policy effects have important implications for the target groups of regulation, the general public, and the democratic political process as such. The conceptualization and use of rich empirical sources make for a compelling read.”—Adrienne Héritier, European University Institute, Italy This book takes a fresh look at corporate power in the regulatory process. It examines how corporations seek to prevent,

shape, make or revoke regulation. The central argument is that in doing so, corporations utilise distinct power resources as experts, innovators and operators. By re-emphasising the proactive role of business, the book complements our acquired knowledge of policymakers’ capacity to put pressure on, or delegate power to private actors. Empirically, the book covers European consumer and environmental policies, and conducts case studies on the chemical, paper, home appliance, ICT and electricity industries. A separate chapter is dedicated to the assumption that Brexit will lead to an unprecedented result of EU regulation being lifted, and how this could put corporate power in regulation at risk. This book provides a new perspective on the policy implications of corporate power to scholars, students and practitioners alike.

Since the publication of earlier editions, there has been The new edition has a number of new contributors, a considerable increase in research activity in a number who have written on the nervous system, sense organs, of areas, with each succeeding edition including new muscle, endocrines, reproduc-

tion, digestion and immune chapters and an expansion of knowledge in older chapters on physiology. Contributors from previous editions have expanded their offerings considerably. The fourth edition contains two new chapters, on The authors are indebted to various investigators, muscle and immunophysiology, the latter an area journals and books for the many illustrations used. Indian research on Aves has contributed significantly. Individual acknowledgement is made in the legends and to our general knowledge of the subject. references. Preface to the 'Third Edition Since the publication of the first and second editions, pathways of birds and mammals. New contributors in there has been a considerable increase of research activity include M. R. Fedde and T. B. Bolton, who have contributed in avian physiology in a number of areas, including completely revised and expanded the chapters on respiratory endocrinology and reproduction, heart and circulation, and the nervous system, respectively, and J. G. respiration, temperature regulation, and to a lesser extent Rogers, Jr. , W. J. Mueller, H. Opel, and D. e. Meyer, who have made contribu-

tions to Chapters 2,16, 17, tent in some other areas. There appeared in 1972-1974 a four volume treatise and 19, respectively.

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your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

The corrosion of carbon steels in amine units used for gas treatment in refining operations is a major problem for the petrochemical industry. Maximizing amine unit reliability, together with improving throughput, circulation, and treatment capacity, requires more effective ways of measuring and predicting corrosion rates. However, there has been a lack of data on corrosion. This valuable report helps to remedy this lack of information by summarizing findings from over 30 plants. It covers such amine types as Methyl Diethanolamine (MDEA), Diethanolamine (DEA), Monoethanolamine (MEA) and Di-isopropanolamine (DIPA), and makes recommendations on materials and process parameters to maximize amine unit efficiency and reliability.

Table of contents

This book explores the importance of the agriculturally-based fiber and textile industry, and how local, small-scale operations and markets, coupled with a connection to soil health, can lead the way

to new transformative changes. It draws on a four-year research project on Norwegian wool, as well as similar studies in Poland and Portugal. It also explores the role of women and the Indigenous perspective: in Europe this will constitute Sami and Inuit, in Northern America the Inuit and First Nations in Canada, along with Native Americans. Born out of academic interest in the slow food movement, the importance of local raw materials has been put under the spotlight in recent years. Meanwhile, the havoc wreaked by the fast fashion industry has been drawing attention to the need for a new, sustainable approach to clothing and textile manufacture. This edited collection is unique in its scope, taking the conversation beyond traditional debates around fast fashion and agriculture, and examining how textile industry is rooted in the land, and within society and community. Featuring a diverse range of authors, the book will be valuable reading for academics interested in sustainable management, the study of consumption, the study of Indigenous perspectives, and the study of agricultural practices.

Biological controls that utilize natural predation, parasitism or other natural mechanisms, is an environmentally friendly alternative to chemical pesticides. Chemical pesticide methods are becoming less readily available due to increasing resistance problems and the prohibition of some substances. This book addresses the challenges of insufficient information and imperfectly understood regulatory processes in using biopesticides. It takes an interdisciplinary approach providing internationally comparative analyses on the registration of biopesticides and debates future biopesticide practices.

The aim of this book is to introduce the use of green solvents throughout chemistry and to provide a comprehensive reference for solvents currently applicable in green chemistry. The first section covers solvents in chemical perspective, and the second section is a guide to green solvents. Overall, this volume defines characteristics of green solvents and their current usage, and explores their importance ecologically and economically. It includes a full range of commercial, industrial, and academic green solvents, and discusses solvents in specific

commercial and non-commercial practices. *Green Solvents for Chemistry* differs from other works on solvents in that only solvents for green chemistry are included along with their chemical properties and toxicological issues.

Designed for a one-semester course in Finite Element Method, this compact and well-organized text presents FEM as a tool to find approximate solutions to differential equations. This provides the student a better perspective on the technique and its wide range of applications. This approach reflects the current trend as the present-day applications range from structures to biomechanics to electromagnetics, unlike in conventional texts that view FEM primarily as an extension of matrix methods of structural analysis. After an introduction and a review of mathematical preliminaries, the book gives a detailed discussion on FEM as a technique for solving differential equations and variational formulation of FEM. This is followed by a lucid presentation of one-dimensional and two-dimensional finite elements and finite element formulation for dynamics. The book concludes with some case

studies that focus on industrial problems and Appendices that include mini-project topics based on near-real-life problems. Postgraduate/Senior undergraduate students of civil, mechanical and aeronautical engineering will find this text extremely useful; it will also appeal to the practising engineers and the teaching community.

This manual deals specifically with laboratory approaches to diagnosing in-born errors of metabolism. The key feature is that each chapter is sufficiently detailed so that any individual can adopt the described method into their own respective laboratory.

Details the proper methods to assess, prevent, and reduce corrosion in the oil industry using today's most advanced technologies. This book discusses upstream operations, with an emphasis on production, and pipelines, which are closely tied to upstream operations. It also examines protective coatings, alloy selection, chemical treatments, and cathodic protection—the main means of corrosion control. The strength and hardness levels of metals is also discussed, as this affects the resistance of

metals to hydrogen embrittlement, a major concern for high-strength steels and some other alloys. It is intended for use by personnel with limited backgrounds in chemistry, metallurgy, and corrosion and will give them a general understanding of how and why corrosion occurs and the practical approaches to how the effects of corrosion can be mitigated. *Metallurgy and Corrosion Control in Oil and Gas Production, Second Edition* updates the original chapters while including a new case studies chapter. Beginning with an introduction to oilfield metallurgy and corrosion control, the book provides in-depth coverage of the field with chapters on: chemistry of corrosion; corrosive environments; materials; forms of corrosion; corrosion control; inspection, monitoring, and testing; and oilfield equipment. Covers all aspects of upstream oil and gas production from downhole drilling to pipelines and tanker terminal operations. Offers an introduction to corrosion for entry-level corrosion control specialists. Contains detailed photographs to illustrate descriptions in the text. *Metallurgy and Corrosion Control in Oil and Gas*

Production, Second Edition is an excellent book for engineers and related professionals in the oil and gas production industries. It will also be an asset to the entry-level corrosion control professional who may have a theoretical background in metallurgy, chemistry, or a related field, but who needs to understand the practical limitations of large-scale industrial operations associated with oil and gas production.

The *Routledge Handbook of Asian Regionalism* is a definitive introduction to, and analysis of, the development of regionalism in Asia, including coverage of East Asia, Southeast Asia and South Asia. The contributors engage in a comprehensive exploration of what is arguably the most dynamic and important region in the world. Significantly, this volume addresses the multiple manifestations of regionalism in Asia and is consequently organised thematically under the headings of: conceptualizing the region economic issues political issues strategic issues regional organizations. As such, the Handbook presents some of the key elements of the competing interpretations of this important and highly contested topic, giving

the reader a chance to evaluate not just where Asian regionalism is going but also how the scholarship on Asian regionalism is analysing these trends and events. This book will be an indispensable resource for students and scholars of Asian politics, international relations and regionalism.

Shows the important role of organometallic chemistry in industrial applications and includes practical examples and case studies. This comprehensive book takes a practical approach to how organometallic chemistry is being used in industrial applications. It uniquely offers numerous, real-world examples and case studies that aid working R&D researchers as well as Ph.D. and postdoc students preparing to ace interviews in order to enter the workforce. Edited by two world-leading and established industrial chemists, the book covers flow chemistry (catalytic and non-catalytic organometallic chemistry), various cross-coupling reactions (C-C, C-N, and C-B) in classical batch chemistry, conjugate addition reactions, metathesis, and C-H arylation and achiral hydrogenation reactions. Beginning with an overview of the many in-

dustrial milestones within the field over the years, Organometallic Chemistry in Industry: A Practical Approach provides chapters covering: the design, development, and execution of a continuous flow enabled API manufacturing route; continuous manufacturing as an enabling technology for low temperature organometallic chemistry; the development of a nickel-catalyzed enantioselective Mizoroki-Heck coupling; and the development of iron-catalyzed Kumada cross-coupling for the large scale production of Aliskiren intermediates. The book also examines aspects of homogeneous hydrogenation from industrial research; the latest industrial uses of olefin metathesis; and more. -Includes rare industrial case studies difficult to find in current literature -Helps readers successfully carry out their own reactions -Covers topics like flow chemistry, cross-coupling reactions, and dehydrative decarbonylation -Features a foreword by Nobel Laureate R. H. Grubbs -A perfect resource for every R&D researcher in industry -Useful for PhD students and postdocs: excellent preparation for a job interview Organometallic Chemistry in Industry: A

Practical Approach is an excellent resource for all chemists, including those working in the pharmaceutical industry and organometallics.

This handbook is an in-depth guide to the practical aspects of materials and corrosion engineering in the energy and chemical industries. The book covers materials, corrosion, welding, heat treatment, coating, test and inspection, and mechanical design and integrity. A central focus is placed on industrial requirements, including codes, standards, regulations, and specifications that practicing material and corrosion engineers and technicians face in all roles and in all areas of responsibility. The comprehensive resource provides expert guidance on general corrosion mechanisms and recommends materials for the control and prevention of corrosion damage, and offers readers industry-tested best practices, rationales, and case studies.

Sustainability is now a buzzword both among professionals and scholars. However, though climate change and resource depletion are now widely recognized by business as major challenges, and

while new practices like 'green design' have emerged, efforts towards change remain weak and fragmented. Exposing these limitations, Design Futuring systematically presents ideas and methods for Design as an expanded ethical and professional practice. Design Futuring argues that responding to ethical, political, social and ecological concerns now requires a new type of practice that recognizes design's importance in overcoming a world made unsustainable. Illustrated throughout with international case material, Design Futuring presents the author's ground-breaking ideas in a coherent framework, focusing specifically on the ways in which concerns for ethics and sustainability can change the practice of Design for the twenty-first century. Design Futuring - a pathfinding text for the new era - extends far beyond Design courses and professional practice, and will also be invaluable to students and practitioners of Architecture, the Creative Arts, Business and Management.

First Published in 1999: The Bridge Engineering Handbook is a unique, comprehensive, and state-of-the-art reference

work and resource book covering the major areas of bridge engineering with the theme "bridge to the 21st century."

Corrosion Under Insulation (CUI) Guidelines: Technical Guide for Managing CUI, Third Edition, Volume 55 builds upon the success of the first two editions to provide a fully up-to-date, practical source of information on how to monitor and manage insulated systems. In the first edition of this book published in 2008, the EFC Working Parties WP13 and WP15 engaged together to provide guidelines on managing CUI with contributions from a number of European refining, petrochemical, and offshore companies. The guidelines were intended for use on all plants and installations that contain insulated vessels, piping, and equipment, and cover a risk-based inspection methodology for CUI, inspection techniques, and recommended best practices for mitigating CUI. The guidelines include design of plant and equipment, coatings and the use of thermal spray techniques, types of insulation, cladding/jacketing materials, and protection guards. Corrosion-under-insulation (CUI) refers to the external corrosion

of piping and vessels that occurs underneath externally clad/jacketed insulation as a result of the penetration of water. By its very nature CUI tends to remain undetected until the insulation and cladding/jacketing is removed to allow inspection, or when leaks occur. CUI is a common problem shared by the refining, petrochemical, power, industrial, onshore and offshore industries. Provides revised and updated technical guidance on managing CUI provided by EFC Working Parties 13 and 15 Discusses the standard approach to risk based inspection methodology Presents the argument that CUI is everywhere, and looks at mitigating actions that can be started from the onset Includes a wide array of concepts of corrosion mitigation

Cutting through the jargon of EU politics, the third edition of this engaging and informative textbook examines the history, institutions, processes and politics of the European Union with unprecedented clarity. The EU is a fascinating political experiment in regional integration and it has changed our understanding of Europe, how Europeans relate to one another, the role Europe plays in global

politics and has even shifted our understanding of politics itself. Helping to make sense of it all in the author's accessible style, this book is underpinned by theory and the latest research throughout. Organised in three main parts, the text covers everything from the history of the EU and its treaties to the institutions that make up the EU and its policies in areas such as the economy, the environment and the Area of Freedom, Security and Justice. This is the go-to text for all students taking courses or modules on the EU, as well as functioning as an accessible introduction for anyone who wants to find out more about how the EU works and what difference it makes. New to this Edition: - Fully updated to take account of the latest developments, including the ongoing Brexit negotiations, the 2019 European Parliament elections and more on the fallout from the euro zone and migration crises - Two new separate chapters to cover the European Council and the Council of Ministers respectively - More emphasis on comparative politics throughout to compare institutions and policies - Expanded debates on key issues of contention in the

European project - Expanded coverage of the most recent research into public opinion in the EU - New Snapshot features in each chapter focusing on a particular EU country. Accompanying online resources for this title can be found at bloomsburyonlineresources.com/euro-

pean-union-politics-3e. These resources are designed to support teaching and learning when using this textbook and are available at no extra cost.

Need a small notebook for jotting down ideas and things that need doing? Then this is the perfect hand-sized notepad for

writing things down. It is one of two essentials everyone needs to carry with them - a pen/pencil and good notebook. They make great gift for students, kids on the go, and busy professional. They are perfect for bird watchers, and outdoor enthusiasts.