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Cybersecurity Management looks at the current state of cybercrime and explores how organizations can develop resources and capabilities to prepare themselves for the changing cybersecurity environment.

Wind forces from extreme wind events are the dominant loading for many parts of the world, exacerbated by climate change and the continued construction of tall buildings and structures. This authoritative source, for practising and academic structural engineers and graduate students, ties the principles of wind loads on structures to the relevant aspects of meteorology, bluff-body aerodynamics, probability and statistics, and structural dynamics. This new edition covers: Climate change effects on extreme winds – particularly those from tropical cyclones, hurricanes and typhoons Modelling of potential wind vulnerability and damage Developments in extreme value probability analysis of extreme wind speeds and directions Explanation of the difference between ‘return period’ and ‘average recurrence interval’, as well as ‘bootstrapping’ techniques for deriving confidence limits Wind over water, and profiles and turbulence in non-synoptic winds An expanded chapter on internal pressures produced by wind for various opening and permeability scenarios Aerodynamic shaping of high- and low-rise buildings Recent developments in five major wind codes and standards A new chapter on computational fluid dynamics (CFD), as applied to wind engineering A greatly expanded appendix providing the basic information on extreme wind climates for over 140 countries and territories Additional examples for many chapters in this book

This book provides an extensive military and strategic analysis of the Gulf and the Arabian Peninsula, assessing the regional military balance, the internal security and stability of each Gulf nation, the evolution of each nation's forces from 1969 into 1983, and the impact of defense spending and Western and Soviet-bloc arms sales in the region. Comprehensive statistics are provided on arms transfers to each country since 1969 and on the forces each nation is capable of deploying in the Gulf.

“ExxonMobil has met its match in Coll, an elegant writer and dogged reporter . . . extraordinary . . . monumental.” —The Washington Post “Fascinating . . . Private Empire is a book meticulously prepared as if for trial . . . a compelling and elucidatory work.” —Bloomberg From the award-winning and bestselling author of *Ghost Wars* and *Directorate S*, an extraordinary exposé of Big Oil. Includes a profile of current Secretary of State and former chairman and chief executive of ExxonMobil, Rex Tillerson In this, the first hard-hitting examination of ExxonMobil—the largest and most powerful private corporation in the United States—Steve Coll reveals the true extent of its power. *Private Empire* pulls back the curtain, tracking the corporation’s recent history and its central role on the world stage, beginning with the Exxon Valdez accident in 1989 and leading to the Deepwater Horizon oil spill in the Gulf of Mexico in 2010. The action spans the globe—featuring kidnapping cases, civil wars, and high-stakes struggles at the Kremlin—and the narrative is driven by larger-than-life characters, including corporate legend Lee “Iron Ass” Raymond, ExxonMobil’s chief executive until 2005, and current chairman and chief executive Rex Tillerson, President-elect Donald Trump's nomination for Secretary of State. A penetrating, news-breaking study, *Private Empire* is a defining portrait of Big Oil in American politics and foreign policy.

Political risk was first introduced as a component for assessing risk not directly linked to economic factors following the flow of capital from the US to Europe after the Second World War. However, the concept has rapidly gained relevance since, with both public and private institutions developing complex methodologies designed to evaluate political risk factors and keep pace with the internationalization of trade and investment. Continued global and regional economic and political instability means a plethora of different actors today conduct a diverse range of political risk analyses and assessments. Starting from the epistemological foundations of political risk, this book bridges the gap between theory and practice, exploring operationalization and measurement issues with the support of an empirical case study on the Arab uprisings, discussing the role of expert judgment in political forecasting, and highlighting the main challenges and opportunities political risk

analysts face in the wake of the digital revolution.

Table of Contents Preface Acknowledgments for the first edition Acknowledgments for the second edition 1 Overview of Membrane Science and Technology 1 2 Membrane Transport Theory 15 3 Membranes and Modules 89 4 Concentration Polarization 161 5 Reverse Osmosis 191 6 Ultrafiltration 237 7 Microfiltration 275 8 Gas Separation 301 9 Pervaporation 355 10 Ion Exchange Membrane Processes - Electrodialysis 393 11 Carrier Facilitated Transport 425 12 Medical Applications of Membranes 465 13 Other Membrane Processes 491 Appendix 523 Index 535.

Ninety percent of the world's oil reserves are entrusted to state-owned companies. Originally created as political instruments, these so-called national oil companies (NOCs) face new demands amid today's dwindling oil reserves and simmering social pressures. Increasingly, state-owned oil firms—particularly in the Middle East—are having to balance the political demands of their governments with the need to be commercially competitive. In this ground-breaking new volume, Valerie Marcel draws on unprecedented access to the politicians, engineers; and businessmen directing five Middle Eastern state oil companies to shed light on one of the most secretive segments of the international oil industry. The author tells the stories of Saudi Aramco, Kuwait Petroleum Corp., the National Iranian Oil Co., Sonatrach of Algeria, and the Abu Dhabi National Oil Co.—oil titans which together produce one quarter of the world's oil and hold half of the world's known oil and gas reserves. Dr. Marcel explains the complex bond between each state and its oil company, tracing the relationship's evolution from the politically charged days of foreign concessions to today's world of profit-driven decisionmaking. Drawn from over 120 interviews with company executives, middle managers, and oil-ministry officials, the author identifies a number of surprising new trends in these companies' strategy, and she paints a picture of their nascent sense of corporate identity. The book provides rare, up-to-date insight into how state-owned companies are striking a balance between their national mission and their commercial needs. The book also provides an insider's guide to these companies' unique culture. Executives and researchers in the region—both inside and outside the oil industry—will find it a valuable tool for understanding business in the Middle East.

In 2001, Kenneth Deffeyes made a grim prediction: world oil production would reach a peak within the next decade—and there was nothing anyone could do to stop it. Deffeyes's claim echoed the work of geophysicist M. King Hubbert, who in 1956 predicted that U.S. oil production would reach its highest level in the early 1970s. Though roundly criticized by oil experts and economists, Hubbert's prediction came true in 1970. In this updated edition of *Hubbert's Peak*, Deffeyes explains the crisis that few now deny we are headed toward. Using geology and economics, he shows how everything from the rising price of groceries to the subprime mortgage crisis has been exacerbated by the shrinking supply—and growing price—of oil. Although there is no easy solution to these problems, Deffeyes argues that the first step is understanding the trouble that we are in.

This book focuses on the two-phase flow problems relevant in the automotive and power generation sectors. It includes fundamental studies on liquid-gas two-phase interactions, nucleate and film boiling, condensation, cavitation, suspension flows as well as the latest developments in the field of two-phase problems pertaining to power generation systems. It also discusses the latest analytical, numerical and experimental techniques for investigating the role of two-phase flows in performance analysis of devices like combustion engines, gas turbines, nuclear reactors and fuel cells. The wide scope of applications of this topic makes this book of interest to researchers and professionals alike.

With demand for petroleum products increasing worldwide, there is a tendency for existing refineries to seek new approaches to optimize efficiency and throughput. In addition, changes in product specifications due to environmental regulations greatly influence the development of petroleum refining technologies. These factors underlie the need for this fifth edition of *The Chemistry and Technology of Petroleum*, which continues in the tradition of the bestselling fourth edition, proving readers with a detailed overview of the chemistry and technology of petroleum as it evolves into the twenty-first century. The new edition has been updated with the latest develop-

ments in the refining industry, including new processes as well as updates on evolving processes and various environmental regulations. The book covers issues related to economics and future refineries, examines the changing character of refinery feedstock, and offers new discussions on environmental aspects of refining. It contains more than 300 figures and tables, including chemical structures and process flow sheets. A useful reference for scientists and engineers in the petroleum industry as well as in the catalyst manufacturing industry, this book introduces readers to the science and technology of petroleum, beginning with its formation in the ground and culminating in the production of a wide variety of products and petrochemical intermediates.

The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges – including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

Draws on interviews with people from twelve African nations, including warlords, industry executives, activists, missionaries, oil-rig workers, scientists, and ordinary people, to analyze the political, economic, social, and cultural effects of the African oil boom on everyday life in the region.

The Arabian Seas Marine Region encompasses marine areas from Djibouti to Pakistan, including the northern part of Somalia, the Red Sea, the Arabian/Persian Gulf, and parts of the Arabian Sea. Human pressures on the coastal and marine environments are evident throughout the region, and have resulted in harmful environmental effects. Oil and domestic, urban and industrial pollutants in several areas of this part of the world have caused local habitat degradation, eutrophication and algal blooms. Further, coastal landfill, dredging, and sedimentation, as well as nutrient and sediment runoff from phosphate mining, agriculture and grazing, and reduction in freshwater seepage due to groundwater extraction are all contributing to the degradation of coastal environments. This book discusses aspects not covered in other books on the region, which largely focus on marine biodiversity, and examines several environmental challenges that are often ignored, but which have a significant impact on the environment. Evaluating the status quo, it also recommends conservation measures and examines the abiotic factors that play a major main role in the environmental changes. Lastly, the book addresses the biodiversity of the area, providing a general context for the conservation and management measures discussed.

Zen Ventures is a moving portrait of what it takes to be a Diverse Founder in modern times. It's a story of resilience, innovation, and transformation both for the author, Forbes 30 Under 30 Social Entrepreneur Champion Muthle, and the industry itself. After losing out to corrupt VCs and corporate pirates, Mr. Muthle, is cast into a virtual vortex from which only the most resourceful and enlightened founders and startups have emerged. The outcome is Zen Ventures, an impact venture studio for diverse founders, now valued at over \$30 billion. From the dusty township streets of South Africa to the beaches of Hawaii, Zen Ventures reads like a treasure map of ideas, hardships, and innovations for budding entrepreneurs and seasoned Venture Capitalists alike. In gripping detail, Zen Ventures sets a course from economic devastation to the future of Venture Capital and Impact Investing. It is a must read full of inspiring and entertaining quotes by the likes of Jack Welch, Bruce Lee, Zen Buddhism, and the author himself.

Compilation of memories and stories from conflicts in the Middle East written by alumni and faculty of the American Community School at Beirut.

This book examines theoretical and empirical approaches to the study of middle powers with reference to South Korea's bilateral relations with Iran, Saudi Arabia, United Arab Emirates and Iraq. It maps the development, political and diplomatic trajectories between South Korea and Iran, Saudi Arabia, United Arab Emirates and Iraq against the historical backdrop of ROK-US alliance and the rise of China. Jeong provides a nuanced analysis of the intersectionality of political economy and

foreign policy analysis contextualizing state-building processes in ROK and the Middle Eastern countries. This accessible book is intended for students and scholars in area studies and international affairs, career diplomats, and South Korean businesses in the Middle East. It should also prove of practical value for journalists and policy makers who are interested in studying the nexus of domestic, regional and international factors that have configured South Korea's Middle East policy.

To support strategic planning efforts on noncommunicable diseases (NCDs), this book assesses the latest evidence on NCD prevalence and risk factors in Saudi Arabia, explores the health and economic burden of NCDs as well as their impact on human capital, and identifies key gaps in efforts to prevent NCDs and ways to address these gaps.

This book analyzes the recent development of Gulf capitalism through to the aftermath of the 2008 economic crisis. Situating the Gulf within the evolution of capitalism at a global scale, it presents a novel theoretical interpretation of this important region of the Middle East political economy.

Provides the final report of the 9/11 Commission detailing their findings on the September 11 terrorist attacks.

One of the most significant industrial states in the country, with a powerful radical tradition, Pennsylvania was, by the early 1950s, the scene of some of the fiercest anti-Communist activism in the United States. Philip Jenkins examines the political and social impact of the Cold War across the state, tracing the Red Scare's reverberations in party politics, the labor movement, ethnic organizations, schools and universities, and religious organizations. Among Jenkins's most provocative findings is the revelation that, although their absolute numbers were not large, Communists were very well positioned in crucial Pennsylvania regions and constituencies, particularly in labor unions, the educational system, and major ethnic organizations. Instead of focusing on Pennsylvania's right-wing politicians (the sort represented nationally by Senator Joseph McCarthy), Jenkins emphasizes the anti-Communist activities of liberal politicians, labor leaders, and ethnic community figures who were terrified of Communist encroachments on their respective power bases. He also stresses the deep roots of the state's militant anti-Communism, which can be traced back at least into the 1930s.

If you're a security or network professional, you already know the "do's and don'ts": run AV software and firewalls, lock down your systems, use encryption, watch network traffic, follow best practices, hire expensive consultants . . . but it isn't working. You're at greater risk than ever, and even the world's most security-focused organizations are being victimized by massive attacks. In *Thinking Security*, author Steven M. Bellovin provides a new way to think about security. As one of the world's most respected security experts, Bellovin helps you gain new clarity about what you're doing and why you're doing it. He helps you understand security as a systems problem, including the role of the all-important human element, and shows you how to match your countermeasures to actual threats. You'll learn how to move beyond last year's checklists at a time when technology is

changing so rapidly. You'll also understand how to design security architectures that don't just prevent attacks wherever possible, but also deal with the consequences of failures. And, within the context of your coherent architecture, you'll learn how to decide when to invest in a new security product and when not to. Bellovin, co-author of the best-selling *Firewalls and Internet Security*, caught his first hackers in 1971. Drawing on his deep experience, he shares actionable, up-to-date guidance on issues ranging from SSO and federated authentication to BYOD, virtualization, and cloud security. Perfect security is impossible. Nevertheless, it's possible to build and operate security systems far more effectively. *Thinking Security* will help you do just that.

An Invaluable Reference for Members of the Drilling Industry, from Owner-Operators to Large Contractors, and Anyone Interested In Drilling Developed by one of the world's leading authorities on drilling technology, the fifth edition of *The Drilling Manual* draws on industry expertise to provide the latest drilling methods, safety, risk management, and management practices, and protocols. Utilizing state-of-the-art technology and techniques, this edition thoroughly updates the fourth edition and introduces entirely new topics. It includes new coverage on occupational health and safety, adds new sections on coal seam gas, sonic and coil tube drilling, sonic drilling, Dutch cone probing, in hole water or mud hammer drilling, pile top drilling, types of grouting, and improved sections on drilling equipment and maintenance. New sections on drilling applications include underground blast hole drilling, coal seam gas drilling (including well control), trenchless technology and geothermal drilling. It contains heavily illustrated chapters that clearly convey the material. This manual incorporates forward-thinking technology and details good industry practice for the following sectors of the drilling industry: Blast Hole Environmental Foundation/Construction Geotechnical Geothermal Mineral Exploration Mineral Production and Development Oil and Gas: On-shore Seismic Trenchless Technology Water Well *The Drilling Manual, Fifth Edition* provides you with the most thorough information about the "what," "how," and "why" of drilling. An ideal resource for drilling personnel, hydrologists, environmental engineers, and scientists interested in subsurface conditions, it covers drilling machinery, methods, applications, management, safety, geology, and other related issues.

The official novelization of the biggest battle in movie history *Godzilla vs Kong*, the latest film in the *Monsterverse*™ franchise, starring Alexander Skarsgard, Millie Bobby Brown, Rebecca Hall, Kyle Chandler and Zhang Ziyi. *ONE WILL FALL* The next epic *Monsterverse* chapter sees legends collide as *Godzilla* and *Kong*, the two most powerful forces of nature, clash in a spectacular battle for the ages. As a squadron embarks on a perilous mission into fantastic uncharted terrain, unearthing clues to the Titans' very origins and mankind's survival, a conspiracy threatens to wipe the creatures, both good and bad, from the face of the earth forever. *New York Times* bestseller Greg Keyes returns once again to the *Monsterverse* and takes readers deeper into the worlds of *Monarch*, the *Titans*, and so much more.

"Guardian of the Holy Land" is a book about the untold stories of the place which damaged my life and others lives. A country where people are brain washed. It is about the regime who created the school of terrorism. This book discusses some of the Royal family who fooled many people and made fun of many their locals stealing their wealth and health. It is a short book but very informative about what I think is the worst most damaging country the world has right now. A dramatic change should take place at least the way we as human should think of that kingdom.

The quality of water, whether it is used for drinking, irrigation or recreational purposes, is significant for health in both developing and developed countries worldwide. This book is based on a programme of work undertaken by an international group of experts during 1999-2001. The aim was to develop a harmonised framework of effective and affordable guidelines and standards to improve the risk assessment and management of water-related microbial hazards. This book will be useful to all those concerned with issues relating to microbial water quality and health, including environmental and public health scientists, water scientists, policy makers and those responsible for developing standards and regulations.

a biography about Mohammed Qahtani, the 2015 World champion of public speaking who became the best speaker in the world despite that fact that he suffers from sever stuttering

This book represents the seventeenth edition of the leading IMPORTANT reference work MAJOR COMPANIES OF THE ARAB WORLD. All company entries have been entered in MAJOR COMPANIES OF THE ARAB WORLD absolutely free of ThiS volume has been completely updated compared to last charge, thus ensuring a totally objective approach to the year's edition. Many new companies have also been included information given. this year. Whilst the publishers have made every effort to ensure that the information in this book was correct at the time of press, no The publishers remain confident that MAJOR COMPANIES responsibility or liability can be accepted for any errors or OF THE ARAB WORLD contains more information on the omissions, or for the consequences thereof. major industrial and commercial companies than any other work. The information in the book was submitted mostly by the ABOUT GRAHAM & TROTMAN LTD companies themselves, completely free of charge. To all those Graham & Trotman Ltd, a member of the Kluwer Academic companies, which assisted us in our research operation, we Publishers Group, is a publishing organisation specialising in express grateful thanks. To all those individuals who gave us the research and publication of business and technical help as well, we are similarly very grateful. information for industry and commerce in many parts of the world.

Provides information about the states in the Persian Gulf, including Saudi Arabia, UAE, Kuwait, and Oman, focusing on the land, people, religion, culture and traditions, institutions, and economy of each.

Describes the history, politics, customs, etc. of India.