

## January 2017 Aymen Karoui Ph D York University

This monograph summarizes the environmental issues concerning the channel and the floodplain of the Drava River. It describes the diverse forms of human impact (river regulation, damming and reservoirs, dredging etc.) and the environmental changes of hydrological regime, sediment transport, biodiversity etc. involved. The transboundary nature of the river is emphasized and the resulting problems are outlined. Special attention is devoted to the evolution and present condition of the floodplain (drainage pattern, oxbow lakes and their vegetation). The possible solutions to environmental problems are illustrated by a review of ongoing and planned rehabilitation measures. The book is amply illustrated with maps, cross/sections, diagrams and photographs. The international team of authors (representing all countries crossed by the Drava River: Austria, Slovenia, Croatia and Hungary) approach the topic from different aspects. Thus, the reader is provided with a comprehensive picture of this, up until now, little studied European river. This book constitutes the refereed proceedings of the 4th International Conference on Digital Economy, ICDEc 2019, held in Beirut, Lebanon, in April 2019. The conference was founded in 2016 to discuss

innovative research and projects related to the support role of Information System Technologies in the digital transformation process, business innovation and e-commerce. The 31 papers presented in this volume were carefully reviewed and selected from 89 submissions. The theme of ICDEc 2019 was “Digital Economy: Emerging Technologies and Business Innovation”. The papers were organized in topical sections named: digital transformation; e-finance; social media communication; intelligent systems; e-commerce and business analytics; e-learning and cloud education; e-commerce and digital economy; data science; digital marketing; and digital business model.

Changing Canada examines political transformations, welfare state restructuring, international boundaries and contexts, the new urban experience, and creative resistance. The authors question dominant ways of thinking and promote alternative ways of understanding and explaining Canadian society and politics that encourage progressive social change. They examine how the evolution of capitalism is producing new types of transformations and new forms of resistance, and show that aspects of the state and the wider society are being contested. They also discuss the often paradoxical or contradictory effects of various social forces, such as the liberating but

also constraining features of new communications technologies, new employment norms, and new household forms. Contributors include Laurie E. Adkin (University of Alberta), Caroline Andrew (University of Ottawa), Pat Armstrong (York University), William Carroll (University of Victoria), Elaine Coburn (Stanford University), William D. Coleman (McMaster University), Mary Cornish (senior partner with Cavalluzzo, Hayes, Shilton, McIntyre & Cornish), Judy Fudge (York University), Christina Gabriel (Carleton University), Sam Gindin (York University), Joyce Green (University of Regina), Eric Helleiner (Trent University), Robert G. Hollands (University of Newcastle), Jane Jenson (Université de Montréal), Roger Keil (York University), Stefan Kipfer (York University), Fuyuki Kurasawa (York University), Laura Macdonald (Carleton University), Rianne Mahon (Carleton University), Wendy McKeen (Dalhousie University), Elizabeth Millar (consultant, Nelligan, O'Brien and Payne Law Firm and Labour Consulting Group), Vincent Mosco (Carleton University), Susan Phillips (Carleton University), Ann Porter (York University), Tony Porter (McMaster University), Daniel Salee (Concordia University), Vic Satzewich (McMaster University), Jim Stanford (Canadian Auto Workers' Union, Toronto), Mel Watkins (emeritus, University of Toronto), and Lloyd L. Wong (University of Calgary). The authors have done an excellent job explaining

the development and practice of Socially Responsible Investment (SRI). Under the recent recognition of Corporate Social Responsibility (CSR) in Asia and its strong emphasis by US and European corporations, this book provides important guidance to students and professionals who are interested in the effects and implications of SRI. This book is truly informative and should be on the reading list of all fund managers and CFOs of international corporations which are serious about CSR. Louis T.W. Cheng, Hong Kong Polytechnic University

Individual investors and corporate heads have the responsibility to keep abreast of major changes in the marketplace. Socially responsible investment is one of those changes. Fung, Law and Yau provide, in a single source, a great opportunity to get up to date on an area that will be a force for years to come. I encourage any thoughtful investor or manager to read this book. Thomas Schneeweis, University of Massachusetts Amherst, US

Socially responsible investment (SRI) is becoming increasingly popular and can be potentially rewarding to all parties concerned. This book discusses the opportunities, challenges, and practices of SRI in a global financial environment in a consistent and integrated framework of risk management. It also covers a wide variety of environmental, social, and corporate governance (ESG) issues related to various participants, such as

values-based retail, institutional investors, corporations, banks, supranational agencies, and non-governmental organizations. Readers are provided with the perspectives of SRI from various players in the financial community from values-based investors to fiduciaries to supranational agencies. The authors analyse the incorporation of ESG issues into investment practices within a regulatory, legal, reputational, and operational risk management framework. Academics, corporate executives, government regulators and policymakers, bankers, and non-governmental organizations involved with sustainable development will find much of interest in this book.

This volume includes the papers presented during the 1st Euro-Mediterranean Conference for Environmental Integration (EMCEI) which was held in Sousse, Tunisia in November 2017. This conference was jointly organized by the editorial office of the Euro-Mediterranean Journal for Environmental Integration in Sfax, Tunisia and Springer (MENA Publishing Program) in Germany. It aimed to give a more concrete expression to the Euro-Mediterranean integration process by supplementing existing North-South programs and agreements with a new multilateral scientific forum that emphasizes in particular the vulnerability and proactive remediation of the Euro-Mediterranean region from an environmental point of view. This

volume gives a general and brief overview on current research focusing on emerging environmental issues and challenges and its applications to a variety of problems in the Euro-Mediterranean zone and surrounding regions. It contains over five hundred and eighty carefully refereed short contributions to the conference. Topics covered include (1) innovative approaches and methods for environmental sustainability, (2) environmental risk assessment, bioremediation, ecotoxicology, and environmental safety, (3) water resources assessment, planning, protection, and management, (4) environmental engineering and management, (5) natural resources: characterization, assessment, management, and valorization, (6) intelligent techniques in renewable energy (biomass, wind, waste, solar), (7) sustainable management of marine environment and coastal areas, (8) remote sensing and GIS for geo-environmental investigations, (9) environmental impacts of geo/natural hazards (earthquakes, landslides, volcanic, and marine hazards), and (10) the environmental health science (natural and social impacts on Human health). Presenting a wide range of topics and new results, this edited volume will appeal to anyone working in the subject area, including researchers and students interested to learn more about new advances in environmental research initiatives in view of the ever growing environmental degradation in the Euro-

Mediterranean region, which has turned environmental and resource protection into an increasingly important issue hampering sustainable development and social welfare.

Extraordinary policy measures have eased financial conditions and supported the economy, helping to contain financial stability risks. Chapter 1 warns that there is a pressing need to act to avoid a legacy of vulnerabilities while avoiding a broad tightening of financial conditions. Actions taken during the pandemic may have unintended consequences such as stretched valuations and rising financial vulnerabilities. The recovery is also expected to be asynchronous and divergent between advanced and emerging market economies. Given large external financing needs, several emerging markets face challenges, especially if a persistent rise in US rates brings about a repricing of risk and tighter financial conditions. The corporate sector in many countries is emerging from the pandemic overindebted, with notable differences depending on firm size and sector. Concerns about the credit quality of hard-hit borrowers and profitability are likely to weigh on the risk appetite of banks. Chapter 2 studies leverage in the nonfinancial private sector before and during the COVID-19 crisis, pointing out that policymakers face a trade-off between boosting growth in the short term by facilitating an easing of financial conditions and containing future downside risks. This trade-off may

be amplified by the existing high and rapidly building leverage, increasing downside risks to future growth. The appropriate timing for deployment of macroprudential tools should be country-specific, depending on the pace of recovery, vulnerabilities, and policy tools available. Chapter 3 turns to the impact of the COVID-19 crisis on the commercial real estate sector. While there is little evidence of large price misalignments at the onset of the pandemic, signs of overvaluation have now emerged in some economies. Misalignments in commercial real estate prices, especially if they interact with other vulnerabilities, increase downside risks to future growth due to the possibility of sharp price corrections.

Corporate social responsibility (CSR) has become an increasingly heated topic since the 1980s. This title proposes that the concept of Corporate Social Irresponsibility (CSI) offers a better theoretical platform to avoid the vagueness, ambiguity, arbitrariness and mysticism of CSR.

"[E]xamines the screening, detention, investigation, and prosecution of some of the thousands of Islamic State (also known as ISIS) suspects in Iraq. Human Rights Watch found serious legal shortcomings that undermine the efforts to bring ISIS suspects to justice. Most significantly, there is no national strategy to ensure the credible prosecution of those responsible for the most serious crimes. The broad

prosecution under terrorism law of all those affiliated with ISIS in any way, no matter how minimal, could impede future community reconciliation and reintegration, and clog up Iraqi courts and prisons for decades"--Publisher website, viewed December 27, 2017.

A detailed guide to overcoming the most frequently encountered psychological pitfalls of investing Bias, emotion, and overconfidence are just three of the many behavioral traits that can lead investors to lose money or achieve lower returns. Behavioral finance, which recognizes that there is a psychological element to all investor decision-making, can help you overcome this obstacle. In *The Little Book of Behavioral Investing*, expert James Montier takes you through some of the most important behavioral challenges faced by investors. Montier reveals the most common psychological barriers, clearly showing how emotion, overconfidence, and a multitude of other behavioral traits, can affect investment decision-making. Offers time-tested ways to identify and avoid the pitfalls of investor bias Author James Montier is one of the world's foremost behavioral analysts Discusses how to learn from our investment mistakes instead of repeating them Explores the behavioral principles that will allow you to maintain a successful investment portfolio Written in a straightforward and accessible style, *The Little Book of Behavioral Investing* will enable you to identify and eliminate behavioral traits that can hinder your investment endeavors and show you how to go about achieving superior returns in the

process. Praise for The Little Book Of Behavioral Investing "The Little Book of Behavioral Investing is an important book for anyone who is interested in understanding the ways that human nature and financial markets interact." —Dan Ariely, James B. Duke Professor of Behavioral Economics, Duke University, and author of Predictably Irrational "In investing, success means being on the right side of most trades. No book provides a better starting point toward that goal than this one." —Bruce Greenwald, Robert Heilbrunn Professor of Finance and Asset Management, Columbia Business School "'Know thyself.' Overcoming human instinct is key to becoming a better investor. You would be irrational if you did not read this book." —Edward Bonham-Carter, Chief Executive and Chief Investment Officer, Jupiter Asset Management "There is not an investor anywhere who wouldn't profit from reading this book." —Jeff Hochman, Director of Technical Strategy, Fidelity Investment Services Limited "James Montier gives us a very accessible version of why we as investors are so predictably irrational, and a guide to help us channel our 'Inner Spock' to make better investment decisions. Bravo!" —John Mauldin, President, Millennium Wave Investments

Behavioural investing seeks to bridge the gap between psychology and investing. All too many investors are unaware of the mental pitfalls that await them. Even once we are aware of our biases, we must recognise that knowledge does not equal behaviour. The solution lies in designing and adopting an investment process that is at least partially robust to behavioural decision-making

errors. Behavioural Investing: A Practitioner's Guide to Applying Behavioural Finance explores the biases we face, the way in which they show up in the investment process, and urges readers to adopt an empirically based sceptical approach to investing. This book is unique in combining insights from the field of applied psychology with a thorough understanding of the investment problem. The content is practitioner focused throughout and will be essential reading for any investment professional looking to improve their investing behaviour to maximise returns. Key features include: The only book to cover the applications of behavioural finance An executive summary for every chapter with key points highlighted at the chapter start Information on the key behavioural biases of professional investors, including The seven sins of fund management, Investment myth busting, and The Tao of investing Practical examples showing how using a psychologically inspired model can improve on standard, common practice valuation tools Written by an internationally renowned expert in the field of behavioural finance The April 2020 Global Financial Stability Report (GFSR) assesses the financial stability challenges posed by the coronavirus (COVID-19) pandemic. Chapter 1 describes how financial conditions tightened abruptly with the onset of the pandemic, with risk asset prices dropping sharply as investors rushed to safety and liquidity. It finds that a further tightening of financial conditions may expose vulnerabilities, including among nonbank financial institutions, and that bank resilience may be tested if economic and financial market stresses rise.

Vulnerabilities in global risky corporate credit markets, including weakened credit quality of borrowers, looser underwriting standards, liquidity risks at investment funds, and increased interconnectedness, could generate losses at nonbank financial institutions in a severe adverse scenario, as discussed in Chapter 2. The pandemic led to an unprecedented and sharp reversal of portfolio flows, highlighting the challenges of managing flows in emerging and frontier markets. Chapter 3 shows that global financial conditions tend to influence portfolio flows more during surges than in normal times, that stronger domestic fundamentals can help mitigate outflows, and that greater foreign participation in local currency bond markets may increase price volatility where domestic markets lack depth. Beyond the immediate challenges of COVID-19, Chapter 4 explores the profitability pressures that banks are likely to face over the medium term in an environment where low interest rates are expected to persist. Chapter 5 takes a broader perspective on physical risks associated with climate change. It finds that these risks do not appear to be reflected in global equity valuations and that stress testing and better disclosure of exposures to climatic hazards are essential to better assess physical risk. India is in the throes of great developments in the field of higher education. This book identifies the needs and gaps in this sector and provides suggestions for improvement based on the lessons learnt from the experiences of other countries. It facilitates a clear and holistic understanding of the sector's complex nature and breaks several myths related to it. The availability of

quality higher education in India, though increasing, is unable to meet the demands of a growing youth population, improvements in school education and a growing middle class. At the same time, it has been widely recognised that the country has a unique opportunity to convert its demographic surplus into its economic strength by providing its young people the right kind of skills. Following this understanding, and due to the persisting problems in the sector, higher education now occupies a central position in the country's strategy for global competitiveness and inclusive growth, and several steps have been taken for its improvement. Apart from an analysis of the prevailing situation, the author also suggests a framework for the creation of a competitive environment in higher education that would ensure better utilisation of public funds and improvement of both public and private institutions. This book will be a valuable resource for centres of education and higher education in universities and research organisations, as well as think-tanks. It would also be a useful tool for consultants and private organisations working in the higher education sector.

This textbook provides the first holistic resource on Environmental, Social, and Governance (ESG) investing for undergraduate and graduate programs. It provides a thorough background and history of ESG investing, as well as cutting-edge industry developments, in a way that introduces the reader to the rapidly developing field of responsible investing. Beginning with a comprehensive background of ESG investing and the development of models measuring risk and return, the book then

discusses the development of ESG risks, and provides an overview of ESG rating systems. The textbook also outlines the current position of ESG investing in portfolio management through granular analysis, provides insight into common investor concerns about ESG investments, discloses qualitative theories relevant to ESG investing, and reviews literature attempting to model ESG investment performance. Finally, the authors provide readers with a foundation on the development of financial models measuring risk and return, which will be useful for measuring the performance of ESG investments. With case studies from contributors around the world, this textbook is the first of its kind to truly provide a compelling blend of quantitative and qualitative analysis supporting the incorporation of ESG investment strategies into investment portfolios. Offering an excellent overview of the growing trends in ESG investing, as well as a close analysis of ESG theories and their practical application both today and in the future, this book will be a great resource for both undergraduates and graduate students.

"Cerebral, passionate, and beautifully drawn. A highly distinctive and engaging book." --Joe Sacco, author of Palestine Witchbody is an invitation to experience what lies hidden beneath the surface of our everyday lives—to see the magic in all things. A plant, a tree, a coffee cup, garbage bins, you, me—they're all magic. Witchcraft is simply the power we're all born with to awaken our senses to this magic, to awaken our "witchbody." And that awakening is essential if we are to reframe our experience with Nature and with our precious planet.

Behavioural Investing A Practitioner's Guide to Applying Behavioural Finance John Wiley & Sons

This volume of the CRM Conference Series is based on a carefully refereed selection of contributions presented at the "11th International Symposium on Quantum Theory and Symmetries", held in Montreal, Canada from July 1-5, 2019. The main objective of the meeting was to share and make accessible new research and recent results in several branches of Theoretical and Mathematical Physics, including Algebraic Methods, Condensed Matter Physics, Cosmology and Gravitation, Integrability, Non-perturbative Quantum Field Theory, Particle Physics, Quantum Computing and Quantum Information Theory, and String/ADS-CFT. There was also a special session in honour of Decio Levi. The volume is divided into sections corresponding to the sessions held during the symposium, allowing the reader to appreciate both the homogeneity and the diversity of mathematical tools that have been applied in these subject areas. Several of the plenary speakers, who are internationally recognized experts in their fields, have contributed reviews of the main topics to complement the original contributions. .

Science and politics all over the world are generating new ideas and models for the functions and structures of the higher education sector and its institutions. These are increasingly exposed to pressures of change. The contributions compiled in this volume identify the most influential models and investigate the context of their origin, their dissemination mechanisms and chances to establish themselves, as well as the resulting consequences for the universities. Georg Krcken, Ph.D., Department of Sociology

and Institute for Science Research (Institut für Wissenschaftsforschung, IWT), Bielefeld University, has a research focus on the higher education sector, science research, and the sociology of organizations. Christian Castor is the former coordinator of the graduate college "Wissensgesellschaft," IWT, Bielefeld University. Anna Kosmtzky and Marc Torcka are both affiliated with the graduate college "Wissensgesellschaft," IWT, Bielefeld University.

The legacy of residential schools has haunted Canadians, yet little is known about the day and public schools where most Indigenous children were sent to be educated. In *What We Learned*, two generations of Tsimshian students – elders born in the 1930s and 1940s and middle-aged adults born in the 1950s and 1960s – add their recollections of attending day schools in northwestern British Columbia to contemporary discussions of Indigenous schooling in Canada. Their stories also invite readers to consider traditional Indigenous views of education that conceive of learning as a lifelong experience that takes place across multiple contexts.

Portfolio risk forecasting has been and continues to be an active research field for both academics and practitioners. Almost all institutional investment management firms use quantitative models for their portfolio forecasting, and researchers have explored models' econometric foundations, relative performance, and implications for capital market behavior and asset pricing equilibrium. *Portfolio Risk Analysis* provides an insightful and thorough overview of financial risk modeling, with an emphasis on practical applications, empirical reality, and historical perspective. Beginning with mean-variance analysis and the capital asset pricing model, the authors give a comprehensive and detailed account of factor models, which are the key to successful risk analysis in every economic climate. Topics range from the relative merits

of fundamental, statistical, and macroeconomic models, to GARCH and other time series models, to the properties of the VIX volatility index. The book covers both mainstream and alternative asset classes, and includes in-depth treatments of model integration and evaluation. Credit and liquidity risk and the uncertainty of extreme events are examined in an intuitive and rigorous way. An extensive literature review accompanies each topic. The authors complement basic modeling techniques with references to applications, empirical studies, and advanced mathematical texts. This book is essential for financial practitioners, researchers, scholars, and students who want to understand the nature of financial markets or work toward improving them.

Explores this dark aspect of folklore and religion and the role that demons play in the modern world. Includes numerous entries documenting beliefs about demons and demonology from ancient history to the present.

Adsorption from aqueous solutions is important in many technological areas, like water purification, mineral beneficiation, soil conservation, detergency, and many areas of biology. Recently, adsorption of radionuclides from aqueous solutions has become the focus of attention in assessing the movement of radionuclides through a geologic medium from underground radioactive waste repositories. This volume provides a multidisciplinary overview of current work in the area of adsorption from aqueous solutions, and reviews the progress that has been made in the theoretical models for assessing adsorption. Adsorption of heavy metal ions and the effect of complex formation is treated extensively, as are the effects of surface chemical properties of the adsorbent, solution pH, and thermodynamic parameters important in the adsorption process. Adsorption of pesticides and organic polymeric species on different adsorbents are included and implications of adsorption of ions on dental materials are

discussed. Also included are studies of the adsorption of radionuclides by geologic media under environmental conditions. The study of the chemical nature of the adsorbed species at the surface by X-ray photoelectron spectroscopy which often provides mechanistic information for the adsorption process is included for adsorbed metal ions on clay and mineral surfaces.

The book provides a comprehensive overview of the latest econometric methods for studying the dynamics of macroeconomic and financial time series. It examines alternative methodological approaches and concepts, including quantile spectra and co-spectra, and explores topics such as non-linear and non-stationary behavior, stochastic volatility models, and the econometrics of commodity markets and globalization. Furthermore, it demonstrates the application of recent techniques in various fields: in the frequency domain, in the analysis of persistent dynamics, in the estimation of state space models and new classes of volatility models. The book is divided into two parts: The first part applies econometrics to the field of macroeconomics, discussing trend/cycle decomposition, growth analysis, monetary policy and international trade. The second part applies econometrics to a wide range of topics in financial economics, including price dynamics in equity, commodity and foreign exchange markets and portfolio analysis. The book is essential reading for scholars, students, and practitioners in government and financial institutions interested in applying recent econometric time series methods to financial and economic data.

This comprehensive reference delivers a toolkit for harvesting market rewards from a wide range of investments. Written by a world-renowned industry expert, the reference discusses how to forecast returns under different parameters. Expected returns of major asset classes, investment strategies, and the

effects of underlying risk factors such as growth, inflation, liquidity, and different risk perspectives, are also explained. Judging expected returns requires balancing historical returns with both theoretical considerations and current market conditions. Expected Returns provides extensive empirical evidence, surveys of risk-based and behavioral theories, and practical insights.

Odours have become a priority concern for facility operators, engineers and urban planners who deal with waste and industrial treatment plants. The subjectivity of smell perception, its variability due to frequency and weather conditions, and the complex nature of the substances involved, has long hampered the regulation of odour emissions. This book provides a comprehensive framework for the assessment, measurement and monitoring of odour emissions, and covers: Odour characterization and exposure effects Instruments and methods for sampling and measurement Strategies for odour control Dispersion modelling for odour exposure assessment Odour regulations and policies Procedures for odour impact assessment Case studies: Wastewater treatment, composting, industrial and CAFO plants, and landfill Intended for researchers in environmental chemistry, environmental engineering, and civil engineering, this book is also an invaluable guide for industry professionals working in wastewater treatment, environmental and air analysis, and waste management.

**WINNER, Business: Personal Finance/Investing, 2015 USA Best Book Awards FINALIST, Business: Reference, 2015 USA Best Book Awards Investor Behavior** provides readers with a comprehensive understanding and the latest research in the area of behavioral finance and investor decision making.

Blending contributions from noted academics and experienced practitioners, this 30-chapter book will provide investment professionals with insights on how to understand and manage client behavior; a framework for interpreting financial market activity; and an in-depth understanding of this important new field of investment research. The book should also be of interest to academics, investors, and students. The book will cover the major principles of investor psychology, including heuristics, bounded rationality, regret theory, mental accounting, framing, prospect theory, and loss aversion. Specific sections of the book will delve into the role of personality traits, financial therapy, retirement planning, financial coaching, and emotions in investment decisions. Other topics covered include risk perception and tolerance, asset allocation decisions under inertia and inattention bias; evidenced based financial planning, motivation and satisfaction, behavioral investment management, and neurofinance. Contributions will delve into the behavioral underpinnings of various trading and investment topics including trader psychology, stock momentum, earnings surprises, and anomalies. The final chapters of the book examine new research on socially responsible investing, mutual funds, and real estate investing from a behavioral perspective. Empirical evidence and current literature about each type of investment issue are featured. Cited research

studies are presented in a straightforward manner focusing on the comprehension of study findings, rather than on the details of mathematical frameworks.

The definitive guide to unsaturated soil— from the world's experts on the subject This book builds upon and substantially updates Fredlund and Rahardjo's publication, *Soil Mechanics for Unsaturated Soils*, the current standard in the field of unsaturated soils. It provides readers with more thorough coverage of the state of the art of unsaturated soil behavior and better reflects the manner in which practical unsaturated soil engineering problems are solved. Retaining the fundamental physics of unsaturated soil behavior presented in the earlier book, this new publication places greater emphasis on the importance of the "soil-water characteristic curve" in solving practical engineering problems, as well as the quantification of thermal and moisture boundary conditions based on the use of weather data. Topics covered include: Theory to Practice of Unsaturated Soil Mechanics Nature and Phase Properties of Unsaturated Soil State Variables for Unsaturated Soils Measurement and Estimation of State Variables Soil-Water Characteristic Curves for Unsaturated Soils Ground Surface Moisture Flux Boundary Conditions Theory of Water Flow through Unsaturated Soils Solving Saturated/Unsaturated Water Flow Problems Air Flow through Unsaturated

Soils Heat Flow Analysis for Unsaturated Soils  
Shear Strength of Unsaturated Soils Shear Strength  
Applications in Plastic and Limit Equilibrium Stress-  
Deformation Analysis for Unsaturated Soils Solving  
Stress-Deformation Problems with Unsaturated Soils  
Compressibility and Pore Pressure Parameters  
Consolidation and Swelling Processes in  
Unsaturated Soils Unsaturated Soil Mechanics in  
Engineering Practice is essential reading for  
geotechnical engineers, civil engineers, and  
undergraduate- and graduate-level civil engineering  
students with a focus on soil mechanics.

The university is often regarded as a bastion of liberal democracy where equity and diversity are vigorously promoted. In reality, the university still excludes many people and is a site of racialization that is subtle, complex, and sophisticated. This book, the first comprehensive, data-based study of racialized and Indigenous faculty members' experiences in Canadian universities, challenges the myth of equity in higher education. Drawing on a rich body of survey data, interviews, and analysis of universities' stated policies, leading scholars scrutinize what universities have done and question the effectiveness of their employment equity programs. They also make important recommendations as to how universities can address racialization and fulfill the promise of equity in the academy.

This edited volume presents state-of-the-art developments in various areas in which Harmonic Analysis is applied. Contributions cover a variety of different topics and problems treated such as structure and optimization in computational harmonic analysis, sampling and approximation in shift invariant subspaces of  $L_2(\mathbb{R})$ , optimal rank one matrix decomposition, the Riemann Hypothesis, large sets avoiding rough patterns, Hardy Littlewood series, Navier–Stokes equations, sleep dynamics exploration and automatic annotation by combining modern harmonic analysis tools, harmonic functions in slabs and half-spaces, Andoni –Krauthgamer –Razenshteyn characterization of sketchable norms fails for sketchable metrics, random matrix theory, multiplicative completion of redundant systems in Hilbert and Banach function spaces. Efforts have been made to ensure that the content of the book constitutes a valuable resource for graduate students as well as senior researchers working on Harmonic Analysis and its various interconnections with related areas.

This book reports on original theoretical and experimental findings related to a number of cutting-edge topics in mechanics and mechanical engineering, such as structure modelling and computation; design methodology and manufacturing processes; mechanical behaviour of materials; fluid mechanics and energy; and heat and

mass transfer. It includes a selection of papers presented at the 4th Tunisian Congress on Mechanics, CoTuMe'2018, held in Hammamet, Tunisia, on October 13–15, 2018. Thanks to the good balance of theory and practical findings, it offers a timely snapshot for researchers and industrial communities alike, and a platform to facilitate communication and collaboration between the two groups.

In today's competitive job market, can employers afford to spend large sums on recruitment, and then simply let talented people go? High Potential provides a practical framework for managers to create a strong, strategic vision for a high-performing, high-potential workforce. Updated to reflect more recent research in the area, the book presents an accessible guide to clearly understanding and defining potential, and how to manage high-potential employees and develop their career. New case studies show how businesses have used the concepts outlined in the book to nurture future talent in the workplace and gain a real competitive business advantage.

This next volume in the series will provide up to date Information and discussion on future approach to control several challenging Infectious Disease worldwide. The past decade has been highlighted by numerous advances in research of medical scientific knowledge. medical technology and the biological

and diagnostic techniques-but somewhat less dramatic changes or improvement in management of medical conditions. This volume will address some of the emerging issues, challenges, and controversies in Infectious Diseases.

This book provides system developers and researchers in natural language processing and computational linguistics with the necessary background information for working with the Arabic language. The goal is to introduce Arabic linguistic phenomena and review the state-of-the-art in Arabic processing. The book discusses Arabic script, phonology, orthography, morphology, syntax and semantics, with a final chapter on machine translation issues. The chapter sizes correspond more or less to what is linguistically distinctive about Arabic, with morphology getting the lion's share, followed by Arabic script. No previous knowledge of Arabic is needed. This book is designed for computer scientists and linguists alike. The focus of the book is on Modern Standard Arabic; however, notes on practical issues related to Arabic dialects and languages written in the Arabic script are presented in different chapters. Table of Contents: What is "Arabic"? / Arabic Script / Arabic Phonology and Orthography / Arabic Morphology / Computational Morphology Tasks / Arabic Syntax / A Note on Arabic Semantics / A Note on Arabic and Machine Translation

The April 2018 Global Financial Stability Report (GFSR) finds that short-term risks to financial stability have increased somewhat since the previous GFSR. Medium-term risks are still elevated as financial vulnerabilities, which have built up during the years of accommodative policies, could mean a bumpy road ahead and put growth at risk. This GFSR also examines the short- and medium-term implications for downside risks to growth and financial stability of the riskiness of corporate credit allocation. It documents the cyclical nature of the riskiness of corporate credit allocation at the global and country levels and its sensitivity to financial conditions, lending standards, and policy and institutional settings. Another chapter analyzes whether and how house prices move in tandem across countries and major cities around the world—that is, global house price synchronicity.

Cellulose Nanocrystal/Nanoparticles Hybrid Nanocomposites: From Preparation to Applications presents a broad survey of the main innovations in the field of functionalized cellulose at the nanoscale and for hybrid nanoparticles-based nanocomposites for industrial application. The book covers the properties and applications of cellulose, including particle extraction, synthesis, functionalization of cellulose at the nanoscale, and hybrid nanoparticles and their processing and characterizations. Readers will find this to be a single and comprehensive

reference for future research on polymer-based nanocomposites. Hybrid nanocomposites based on cellulose at the nanoscale, and hybridized with other reinforcement agents represent a key advance in polymer-based materials. Cellulose is considered the most abundant polymer on the planet and an essential renewable resource. There is considerable research interest in the simple extraction and synthesis, nanoscale dimensions, high aspect ratio, mechanical, electrical and thermal properties of cellulose at the nanoscale and its hybridized materials. Nanocomposites and bio-nanocomposites with hybrid reinforcements, for example, are novel materials with enhanced properties due to the integration of cellulose with other nanoparticles, and new methods have been developed to extract cellulose at the nanoscale. The extracted cellulose shows potential applications in nanocomposites, and functionalization techniques are essential to create enhanced nanocomposites, particularly for hybrid nanoparticles. Presents the state-of-the-art in functionalized cellulose at the nanoscale, along with industrial applications of hybrid-nanoparticles-based nanocomposites Details the properties and applications of cellulose at the nanoscale and for hybrid nanocomposites Gives updates on hybrid nanoparticles, including the processing and characterization of nanocomposites Brings together expertise from chemistry, polymer science,

engineering and manufacturing

Political Islam in Tunisia uncovers the secret history of Tunisia's main Islamist movement, al-Nahda, from its origins as a sociocultural movement in the 1960s to the present. Banned until the popular uprisings of 2010- 11 and the overthrow of Ben Ali's dictatorship, al-Nahda has until now been impossible to investigate. This is the first in-depth account of the movement, one of Tunisia's most influential political actors and an important source of regional leadership. Based on more than four years of field research, over 400 interviews, and access to private archives, Anne Wolf masterfully unveils the evolution of al-Nahda's ideological and strategic orientations within changing political contexts and, at times, conflicting ambitions amongst its leading cadres. She also explores the challenges to al-Nahda's quest for power from both secularists and Salafis. As the first full history of al-Nahda, this book is a major contribution to the literature on Tunisia, Islamist movements, and political Islam in the Arab world. It will be indispensable reading for anyone seeking to understand the forces driving a key player in the country most hopeful of pursuing a democratic trajectory in the wake of the Arab Spring.

This book includes over three hundred and seventy-five short papers presented during the second EMCEI, which was held in Sousse, Tunisia in October 2019. After the success of the first EMCEI in

2017, the second installment tackled emerging environmental issues together with new challenges, e.g. by focusing on innovative approaches that contribute to achieving a sustainable environment in the Mediterranean and surrounding regions and by highlighting to decision makers from related sectors the environmental considerations that should be integrated into their respective activities. Presenting a wide range of environmental topics and new findings relevant to a variety of problems in these regions, this volume will appeal to anyone working in the subject area and particularly to students interested in learning more about new advances in environmental research initiatives in view of the worsening environmental degradation of the Mediterranean and surrounding regions, which has made environmental and resource protection into an increasingly important issue hampering sustainable development and social welfare.

In 1914, the SS Komagata Maru arrived in Vancouver Harbour and was detained for two months. Most of its 376 passengers were then forcibly returned to India. Unmooring the Komagata Maru challenges conventional Canadian historical accounts by drawing from multiple disciplines and fields to consider the international and colonial dimensions of the voyage. By situating South Asian Canadian history within a global-imperial context, the contributors offer a critical reading of Canadian

multiculturalism through past events and their commemoration. A hundred years later, the voyage of the Komagata Maru has yet to reach its conclusion.

This book analyzes all aspects of metronomic chemotherapy, a new approach involving low-dose, long-term, and frequently administered therapy that has preclinical and clinical activity in various tumors. After an opening section on the pharmacological bases of metronomic chemotherapy, including its antiangiogenic effects and impact on immunity, preclinical studies on various classes of drug are discussed. Clinical applications of metronomic chemotherapy in a wide variety of tumors are then addressed in detail, with description of the results of all published studies. The clinical pharmacology of metronomic chemotherapy is also considered in depth, encompassing pharmacokinetics, pharmacogenetics, pharmacoeconomics, and adverse drug reactions. The book closes by describing the role of this therapy in the veterinarian clinic.

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