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Sustainable Waste Management: Policies and Case Studies

Sadhan Kumar Ghosh 2019-06-21 The book presents high-quality research papers from the Seventh International Conference on Solid Waste Management (IconSWM 2017), held at Professor Jayashankar Telangana State Agricultural University, Hyderabad on December 15–17, 2017. The conference, an official side event of the high-level Intergovernmental Eighth Regional 3R Forum in Asia and the Pacific, aimed to generate scientific inputs into the policy consultation of the Forum co-organized by the UNCRD/UNDESA, MoEFCC India, MOUD India and MOEJ, Japan. Presenting research on solid waste management from more than 30 countries, the book is divided into three volumes and addresses various issues related to innovation and implementation in sustainable waste management, segregation, collection, transportation of waste, treatment technology, policy

and strategies, energy recovery, life cycle analysis, climate change, research and business opportunities. *Al-Ghazzali Jewels of the Quran* Abu Hamid Muhammad Al-Ghazzali Tusi 2009-04-01 Al-Ghazzali divides verses of the Quran into those relating to knowledge of God and those relating to humanity's obligation to God. World Report 2017 Human Rights Watch 2017-02-28 The human rights records of more than ninety countries and territories are put into perspective in Human Rights Watch's signature yearly report. Reflecting extensive investigative work undertaken in 2016 by Human Rights Watch staff, in close partnership with domestic human rights activists, the annual World Report is an invaluable resource for journalists, diplomats, and citizens, and is a must-read for anyone interested in the fight to protect human rights in every corner of the globe.

Audio-vision Michel Chion 1994 Deals with issue of sound

in audio-visual images

Congress on Intelligent Systems Harish Sharma 2021-06-01

This book is a collection of selected papers presented at the First Congress on Intelligent Systems (CIS 2020), held in New Delhi, India, during September 5–6, 2020. It includes novel and innovative work from experts, practitioners, scientists, and decision-makers from academia and industry. It covers topics such as Internet of Things, information security, embedded systems, real-time systems, cloud computing, big data analysis, quantum computing, automation systems, bio-inspired intelligence, cognitive systems, cyber physical systems, data analytics, data/web mining, data science, intelligence for security, intelligent decision making systems, intelligent information processing, intelligent transportation, artificial intelligence for machine vision, imaging sensors technology, image segmentation, convolutional neural network, image/video classification, soft computing for machine vision, pattern recognition, human–computer interaction, robotic devices and systems, autonomous vehicles, intelligent control systems, human motor control, game playing, evolutionary algorithms, swarm optimization, neural network, deep learning, supervised learning, unsupervised learning, fuzzy logic, rough sets, computational optimization, and neuro-fuzzy systems.

Nano Medicine and Nano Safety Malay K. Das 2021-12-24

This book reviews the application of Nanobiotechnology in the development of Nanomedicine, while also discussing the latest trends and challenges in the clinical translation of Nanomedicine. Nanomedicine refers to the application of Nanotechnology to medicine and holds tremendous potential for achieving improved efficiency, bioavailability, dose response, personalized

medicine and enhanced safety as compared to conventional medicines. The book first introduces readers to the basic concepts of Nanomedicine, and to technological advances in and applications of Nanotechnology in treatment, diagnosis, monitoring, and drug delivery. In turn, it reviews the current status of multi-functionalization strategies for using Nanoparticles in the targeted delivery of therapeutic agents. The book's third and final section focuses on the regulatory and safety challenges posed by Nanomedicine, including industry and regulatory agencies' efforts to address them.

The Romance of Plant Life George Francis Scott Elliot 1907

Effective Public Relations Scott M. Cutlip 1962

Stress Tested: The Covid-19 Pandemic and Canadian National Security Leah West 2021-12 The emergence of COVID-19 has raised urgent and important questions about the role of Canadian intelligence and national security within a global health crisis. Some argue that the effects of COVID-19 on Canada represent an intelligence failure, or a failure of early warning. Others argue that the role of intelligence and national security in matters of health is--and should remain--limited. At the same time, traditional security threats have rapidly evolved, themselves impacted and influenced by the global pandemic. Stress Tested brings together leading experts to examine the role of Canada's national security and intelligence community in anticipating, responding to, and managing a global public welfare emergency. This interdisciplinary collection offers a clear-eyed view of successes, failures, and lessons learned in Canada's pandemic response. Addressing topics including supply chain disruptions, infrastructure

security, the ethics of surveillance within the context of pandemic response, the threats and potential threats of digital misinformation and fringe beliefs, and the challenges of maintaining security and intelligence operations during an ongoing pandemic, *Stress Tested* is essential reading for anyone interested in the lasting impacts of the COVID-19 pandemic.

Major Business Organisations of Eastern Europe and the Commonwealth of Independent States 1993/94 Giselle Bricault 2012-12-06 The third edition of *Major Business Organisations of Eastern Europe and the Commonwealth of Independent States* provides comprehensive data on over 3,000 organisations including Manufacturers, Foreign Trading arrangement of this Organisations, Banks, Ministries, Chambers of Commerce and Services. book Due to the change in the import/export laws in Eastern Europe it is now possible to trade directly with many This book has been arranged in order to allow the reader organisations, and with over 7,000 named contacts and to find any entry rapidly and accurately. comprehensive details on each organisation, this directory enables the western business community to Company entries are listed alphabetically within each reach this new market. country section; in addition three indexes are provided on coloured paper at the back of the book. The information in this directory is the result of a careful research and extensive translation operation ensuring The alphabetical index of organisations throughout the entries are as accurate and up-to-date as possible. Eastern Europe and the C.I.S. lists all entries in The Editors would like to express thanks to the huge alphabetical order irrespective of their main country of number of organisations who provided information about

operation. themselves for inclusion in this book. The alphabetical index of organisations within each Whilst the editors have taken every care to ensure the country of Eastern Europe and the C.I.S. lists information in this book is up-to-date, due to the fast organisations by their country of operation.

Setting God Free Seán Ólaoire 2021-07-07 A priest, a scientist, and a psychologist walk into a bar... This isn't the beginning of a joke. It's the start of a long-overdue conversation about how mainstream religion has handed down a God that only a sadomasochist could love. How are we supposed to worship a deity who wantonly slaughters innocents to assuage His own bloodthirsty rage? Thank the loving God revealed in the pages of *Setting God Free* that Seán ÓLaoire has finally unpacked the horror show known as "the difficult passages" of the Bible, giving readers access to a cosmology built not on canonical scripture alone, but also on science, spirituality, and personal experience. And as for the God we humans have created in our own image? His day in court has finally come.

Biomechanics of the Eye Cynthia J. Roberts 2018-04-20 Covering all major components of the ocular system, this state-of-the-art text is essential for vision scientists, biomedical engineers, and advanced clinicians with an interest in the role of mechanics in ocular function, disease, therapeutics, and surgery. With every chapter, leading experts strengthen the arguments that biomechanics is an indispensable and rapidly evolving tool for understanding and managing ocular disease.

Plants in Contemporary Poetry John Ryan 2017-08-15 Positioned within current ecocritical scholarship, this volume is the first book-length study of the

representations of plants in contemporary American, English, and Australian poetry. Through readings of botanically-minded writers including Les Murray, Louise Glück, and Alice Oswald, it addresses the relationship between language and the subjectivity, agency, sentience, consciousness, and intelligence of vegetal life. Scientific, philosophical, and literary frameworks enable the author to develop an interdisciplinary approach to examining the role of plants in poetry. Drawing from recent plant science and contributing to the exciting new field of critical plant studies, the author develops a methodology he calls "botanical criticism" that aims to redress the lack of emphasis on plant life in studies of poetry. As a subset of ecocriticism, botanical criticism investigates how poets engage with plants literally and figuratively, materially and symbolically, in their works. Key themes covered in this volume include plants as invasives and weeds in human settings; as sources of physical and spiritual nourishment; as signifiers of region, home, and identity; as objects of aesthetics and objectivism; and, crucially, as beings with their own perspectives, voices, and modes of dialogue. Ryan demonstrates that poetic imagination is as essential as scientific rationality to elucidating and appreciating the mysteries of plant-being. This book will appeal to a multidisciplinary readership in the fields of ecocriticism, ecopoetry, environmental humanities, and ecocultural studies, and will be of interest to researchers in the emerging area of critical plant studies.

Virtual Music David Cope 2004-01-30 Virtual Music is about artificial creativity. Focusing on the author's Experiments in Musical Intelligence computer music

composing program, the author and a distinguished group of experts discuss many of the issues surrounding the program, including artificial intelligence, music cognition, and aesthetics. The book is divided into four parts. The first part provides a historical background to Experiments in Musical Intelligence, including examples of historical antecedents, followed by an overview of the program by Douglas Hofstadter. The second part follows the composition of an Experiments in Musical Intelligence work, from the creation of a database to the completion of a new work in the style of Mozart. It includes, in sophisticated lay terms, relatively detailed explanations of how each step in the process contributes to the final composition. The third part consists of perspectives and analyses by Jonathan Berger, Daniel Dennett, Bernard Greenberg, Douglas R. Hofstadter, Steve Larson, and Eleanor Selfridge-Field. The fourth part presents the author's responses to these commentaries, as well as his thoughts on the implications of artificial creativity. The book (and corresponding Web site) includes an appendix providing extended musical examples referred to and discussed in the book, including composers such as Scarlatti, Bach, Mozart, Beethoven, Schubert, Chopin, Puccini, Rachmaninoff, Prokofiev, Debussy, Bartok, and others. It is also accompanied by a CD containing performances of the music in the text.

Revival of Religion's Sciences (Ihya Ulum ad-din) 1-4 Vol 1 Abi Hamed al Ghazali 2010-01-01

Macroeconomics of Climate Change in a Dualistic Economy Sevil Acar 2018-01-25 Macroeconomics of Climate Change in a Dualistic Economy: A Regional General Equilibrium Analysis generates significant, genuinely novel insights about dual economies and sustainable economic growth.

These insights are generalizable and applicable worldwide. The authors overcome existing limitations in general equilibrium modeling. By concentrating on tensions between green growth and dualism, they consider the global efforts against climate change and opposition by specific countries based on economic development needs. Using Turkey as their primary example, they address these two most discussed and difficult issues related to policy setting, blazing a path for those seeking an applied economic research framework to study such economic considerations. Couples a CGE climate change mitigation policy analysis with a dual economy approach Presents methods to model and assess policy instruments for mitigating climate change Provides data sets and models on a freely-accessible companion website Offers a path for those seeking an applied economic research framework to study economic considerations

Functional Clothing Design Susan Watkins 2015-01-29
"Functional Clothing Design introduces new ways to look at the human body, the environment, and clothing. It explores the ways design can achieve goals such as protecting the body, increasing health and safety, or increasing body function. Building on the groundbreaking text *Clothing: The Portable Environment* by co-author Susan M. Watkins, this text covers aspects of functional clothing design including: User-centered design for comfort and function in clothing; Clothing for thermal protection, impact protection, and hazardous environments; The design of wearable technology and other apparel solutions that enhance and augment body function; Commercial product development and the development of functional garments and materials"--Back cover.

The Modern Satiric Grotesque and Its Traditions John R.

Clark 2014-07-15 Thomas Mann predicted that no manner or mode in literature would be so typical or so pervasive in the twentieth century as the grotesque. Assuredly he was correct. The subjects and methods of our comic literature (and much of our other literature) are regularly disturbing and often repulsive -- no laughing matter. In this ambitious study, John R. Clark seeks to elucidate the major tactics and topics deployed in modern literary dark humor. In Part I he explores the satiric strategies of authors of the grotesque, strategies that undercut conventional usage and form: the de-basement of heroes, the denigration of language and style, the disruption of normative narrative technique, and even the debunking of authors themselves. Part II surveys major recurrent themes of grotesquerie: tedium, scatology, cannibalism, dystopia, and Armageddon or the end of the world. Clearly the literature of the grotesque is obtrusive and ugly, its effect morbid and disquieting -- and deliberately meant to be so. Grotesque literature may be unpleasant, but it is patently insightful. Indeed, as Clark shows, all of the strategies and topics employed by this literature stem from age-old and spirited traditions. Critics have complained about this grim satiric literature, asserting that it is dank, cheerless, unsavory, and negative. But such an interpretation is far too simplistic. On the contrary, as Clark demonstrates, such grotesque writing, in its power and its prevalence in the past and present, is in fact conventional, controlled, imaginative, and vigorous -- no mean achievements for any body of art.

Anglo-Saxon Exeter Patrick W. Conner 1993 A study of the manuscripts, relics and historical traditions of Anglo-Saxon Exeter before Leofric moved the see of Devon and Cornwall there in 1050.

The Science of Self-Realization His Divine Grace A. C. Bhaktivedanta Swami Prabhupada 1968 This collection of articles by Srila Prabhupada from Back to Godhead magazine covers knowledge of the soul and the practice of bhakti-yoga. These interviews, lectures, and essays cover topics such as the goal of human life, seeking a true spiritual teacher, reincarnation, super-consciousness, Krishna and Christ, and spiritual solutions to today's social and economic problems.

Effective Public Relations Glen M. Broom 2008 For courses in Introductory Public Relations. Cutlip & Center offers students the gold standard in public relations, providing the most up-to-date reference in the market. In the new edition, Glen Broom continues the work of Cutlip and Center by providing the most up-to-date reference for students.

Warning Miracle

Artificial Intelligence in the 21st Century Stephen Lucci 2015-12-10 This new edition provides a comprehensive, colorful, up-to-date, and accessible presentation of AI without sacrificing theoretical foundations. It includes numerous examples, applications, full color images, and human interest boxes to enhance student interest. New chapters on robotics and machine learning are now included. Advanced topics cover neural nets, genetic algorithms, natural language processing, planning, and complex board games. A companion DVD is provided with resources, applications, and figures from the book. Numerous instructors' resources are available upon adoption. eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com.

FEATURES: • Includes new chapters on robotics and

machine learning and new sections on speech understanding and metaphor in NLP • Provides a comprehensive, colorful, up to date, and accessible presentation of AI without sacrificing theoretical foundations • Uses numerous examples, applications, full color images, and human interest boxes to enhance student interest • Introduces important AI concepts e.g., robotics, use in video games, neural nets, machine learning, and more thorough practical applications • Features over 300 figures and color images with worked problems detailing AI methods and solutions to selected exercises • Includes DVD with resources, simulations, and figures from the book • Provides numerous instructors' resources, including: solutions to exercises, Microsoft PP slides, etc.

Fetishism and Culture Hartmut Böhme 2014-08-25 Hartmut Böhme's study of fetishism spans all the way from Christian image magic in the Middle Ages to fetishistic practices in fashion, advertising, sport and popular culture today. In it he provides a thorough exploration of religion, magic, idolatry, sexuality and consumption, charting the mental, scientific and artistic processes through which fetishism became a central category in European culture's account of itself.

Carbon-Ion Radiotherapy Hirohiko Tsujii 2013-12-25 This book serves as a practical guide for the use of carbon ions in cancer radiotherapy. On the basis of clinical experience with more than 7,000 patients with various types of tumors treated over a period of nearly 20 years at the National Institute of Radiological Sciences, step-by-step procedures and technological development of this modality are highlighted. The book is divided into two sections, the first covering the underlying principles of physics and biology, and the second

section is a systematic review by tumor site, concentrating on the role of therapeutic techniques and the pitfalls in treatment planning. Readers will learn of the superior outcomes obtained with carbon-ion therapy for various types of tumors in terms of local control and toxicities. It is essential to understand that the carbon-ion beam is like a two-edged sword: unless it is used properly, it can increase the risk of severe injury to critical organs. In early series of dose-escalation studies, some patients experienced serious adverse effects such as skin ulcers, pneumonitis, intestinal ulcers, and bone necrosis, for which salvage surgery or hospitalization was required. To preclude such detrimental results, the adequacy of therapeutic techniques and dose fractionations was carefully examined in each case. In this way, significant improvements in treatment results have been achieved and major toxicities are no longer observed. With that knowledge, experts in relevant fields expand upon techniques for treatment delivery at each anatomical site, covering indications and optimal treatment planning. With its practical focus, this book will benefit radiation oncologists, medical physicists, medical dosimetrists, radiation therapists, and senior nurses whose work involves radiation therapy, as well as medical oncologists and others who are interested in radiation therapy.

Undernutrition in the Philippines Nkosinathi V. N. Mbuya
2021-05-25 For nearly 30 years, the rates of both wasting and stunting in the Philippines have been nearly flat. For 2019, the rate of stunting among children under five years of age (28.8 percent) was only slightly lower than in 2008 (32 percent)—the prevalence of underweight in 2019 was 19 percent and that of wasting

was 6 percent. Based on the World Health Organization's classification of undernutrition rates, the stunting prevalence of children in the Philippines is of "very high" public health significance. The Philippines' 29 percent stunting rate places it fifth among countries in the East Asia and Pacific region, and among the top 10 countries globally. The Philippines' high levels of childhood undernutrition can lead to a staggering loss of the country's human and economic potential. The burden on the Philippines' economy brought by childhood undernutrition was estimated at US\$4.4 billion, or 1.5 percent of the country's GDP, in 2015. Undernutrition robs Filipino children of their chance at a bright future. When viewed through the lens of the World Bank's Human Capital Index (HCI), the country's 2020 HCI score of 0.52 predicts that the future productivity of children born today will be 48 percent below what they might achieve if they were to enjoy complete education and full health. *Undernutrition in the Philippines: Scale, Scope, and Opportunities for Nutrition Policy and Programming* presents a comprehensive, analytical work on this topic. It provides evidence of why it is critical that the government of the Philippines prioritize tackling this persistent challenge. The report assesses the determinants and causes of childhood undernutrition and reviews current policies and programs directed at addressing this problem. Based on these analyses, the report provides recommendations of how national policies and programs can be strengthened to reduce the high rates of undernutrition in the country. It sets out to inform the debate on the causes and potential solutions of undernutrition while identifying high-priority policies and policy commitments for action.

Freedom of the Press 2006 Freedom House (U.S.) 2006

Freedom House's annual press freedom survey has tracked trends in media freedom worldwide since 1980. Covering 194 countries and territories, Freedom of the Press 2006 provides comparative rankings and examines the legal environment for the media, political pressures that influence reporting, and economic factors that affect access to information. The survey is the most authoritative assessment of media freedom around the world. Its findings are widely utilized by policymakers, scholars, press freedom advocates, journalists, and international institutions.

Freedom of the Press 2007 Freedom House (U.S.) 2008 This annual press freedom survey, now covering 195 countries and territories, has tracked trends in media freedom worldwide since 1980. It provides comparative rankings and examines the legal environment for the media, political pressures that influence reporting, and economic factors that affect access to information.

Encyclopedia of Sustainability in Higher Education

Walter Leal Filho 2019-10-28 This encyclopedia serves as a tool to support universities across the world to implement sustainable development in higher education in a number of key areas, spread over 5 volumes: 1. Policy-making, visioning, structures, management and strategies 2. Teaching, learning and competencies 3. Research and transformation 4. Campus greening, design, operations and carbon impacts 5. Students and stakeholders' initiatives and involvement The encyclopedia will be of special interest to administrators and managers at higher education institutions; academic staff (e.g. lecturers, professors, researchers); technical staff and students. Also, other groups working outside higher education, but interested on the theory and practice of sustainable development, will find its contents useful.

Shadowrun Data Trails [all Things Matrix] Catalyst Game Labs 2015-07-08 The last great undiscovered country is vast, wild, and weirder than you can possibly imagine. And it's nearby, waiting, accessible by the press of a button, or a simple gesture, or even just a thought. The Matrix holds a whole lot more than selfies and cat videos-it has artificial intelligences, electronic ghosts of people formerly alive (or perhaps still living), and deep wells of pure data that can swallow you whole. Oh, and a copy of every secret ever recorded electronically. The possible rewards of exploration are great, and the dangers are greater. Data Trails is the Matrix sourcebook for Shadowrun, Fifth Edition, offering more options for decker and technomancer characters, including qualities, programs, gear and more. With detailed examinations of hacker culture, information on diving deep into immersive hosts, and briefings on the strange sites hidden in dark corners of the Matrix, Data Trails is a vital resource for any Shadowrun players involved in the omnipresent flow of information. Non-Matrix specialists have chances to get in on the adventures as well, with game details explaining how their skills and expertise translate into the wild virtual world. Data Trails is for use with Shadowrun, Fifth Edition.

The Genesis One Code Daniel Friedman 2011-07-01 "The Genesis One Code" offers a careful examination of the relationship between scientific theory and biblical teaching. The book targets the origins debate from a fresh perspective informed by scientific and spiritual research and demonstrates an alignment between the dates of key events described in Genesis 1 and 2 with those derived from scientific theory and observation.

Visualizing Fascism Julia Adeney Thomas 2020-03-13

Visualizing Fascism argues that fascism was not merely a domestic menace in a few European nations, but arose as a genuinely global phenomenon in the early twentieth century. Contributors use visual materials to explore fascism's populist appeal in settings around the world, including China, Japan, South Africa, Slovakia, and Spain. This visual strategy allows readers to see the transnational rise of the right as it fed off the agitated energies of modernity and mobilized shared political and aesthetic tropes. This volume also considers the postwar aftermath as antifascist art forms were depoliticized and repurposed in the West. More commonly, analyses of fascism focus on Italy and Germany alone and on institutions like fascist parties, but that approach truncates our understanding of the way fascism was indebted to colonialism and internationalism with all their attendant grievances and aspirations. Using photography, graphic arts, architecture, monuments, and film—rather than written documents alone—produces a portable concept of fascism, useful for grappling with the upsurge of the global right a century ago—and today. Contributors. Nadya Bair, Paul D. Barclay, Ruth Ben-Ghiat, Maggie Clinton, Geoff Eley, Lutz Koepnick, Ethan Mark, Bertrand Metton, Lorena Rizzo, Julia Adeney Thomas, Claire Zimmerman

Before Siam Nicolas Revire 2014 Presents new research and discoveries to reconstruct the cultures, religious persuasions and artistic traditions in pre-modern Thailand and its neighboring regions.

Next Generation Information Processing System Prachi Deshpande 2020-06-13 This book gathers high-quality research papers presented at the International Conference on Computing in Engineering and Technology (ICCET 2020) [formerly ICCASP], a flagship event in the

area of engineering and emerging next-generation technologies jointly organized by the Dr. Babasaheb Ambedkar Technological University and MGM's College of Engineering in Nanded, India, on 9-11 January 2020. Focusing on next-generation information processing systems, this second volume of the proceedings includes papers on cloud computing and information systems, artificial intelligence and the Internet of Things, hardware design and communication, and front-end design.

Handbook of Drug Interactions Ashraf Mozayani 2003-10-15 A concise compilation of the known interactions of the most commonly prescribed drugs, as well as their interaction with nonprescription compounds. The agents covered include CNS drugs, cardiovascular drugs, antibiotics, and NSAIDs. For each class of drugs the authors review the pharmacology, pharmacodynamics, pharmacokinetics, chemistry, metabolism, epidemiological occurrences, adverse reactions, and significant interactions. Environmental and social pharmacological issues are also addressed in chapters on food and alcohol drug interactions, nicotine and tobacco, and anabolic doping agents. Comprehensive and easy-to-use, *Handbook of Drug Interactions: A Clinical and Forensic Guide* provides physicians with all the information needed to avoid prescribing drugs with undesirable interactions, and toxicologists with all the data necessary to interpret possible interactions between drugs found simultaneously in patient samples.

The William Parker Sessionography Rick Lopez 2014 This is a fully annotated (and generously illustrated) record of practically every time that elemental jazz double bassist-composer William Parker has ever played a gig or recording session, as a band member or leader, from 1972 clear through to June 2014. A vast microcosm of one

profoundly engaged jazz musician which reveals an illuminated macrocosm of jazz itself.

Engage!, Revised and Updated Brian Solis 2011-02-25 The ultimate guide to branding and building your business in the era of the Social Web—revised and updated with a Foreword by Ashton Kutcher *Engage!* thoroughly examines the social media landscape and how to effectively use social media to succeed in business—one network and one tool at a time. It leads you through the detailed and specific steps required for conceptualizing, implementing, managing, and measuring a social media program. The result is the ability to increase visibility, build communities of loyal brand enthusiasts, and increase profits. Covering everything you need to know about social media marketing and the rise of the new social consumer, *Engage!* shows you how to create effective strategies based on proven examples and earn buy-in from your marketing teams. Even better, you'll learn how to measure success and ROI. Introduces you to the psychology, behavior, and influence of the new social consumer Shows how to define and measure the success of your social media campaigns for the short and long term Features an inspiring Foreword by actor Ashton Kutcher, who has more than 5 million followers on Twitter Revised paperback edition brings the book completely up to date to stay ahead of the lightning fast world of social media Today, no business can afford to ignore the social media revolution. If you're not using social media to reach out to your customers and the people who influence them, who is?

Tuning, Timbre, Spectrum, Scale William A. Sethares 2013-06-05 *Tuning, Timbre, Spectrum, Scale* focuses on perceptions of consonance and dissonance, and how these are dependent on timbre. This also relates to musical

scale: certain timbres sound more consonant in some scales than others. Sensory consonance and the ability to measure it have important implications for the design of audio devices and for musical theory and analysis. Applications include methods of adapting sounds for arbitrary scales, ways to specify scales for nonharmonic sounds, and techniques of sound manipulation based on maximizing (or minimizing) consonance. Special consideration is given here to a new method of adaptive tuning that can automatically adjust the tuning of a piece based its timbral character so as to minimize dissonance. Audio examples illustrating the ideas presented are provided on an accompanying CD. This unique analysis of sound and scale will be of interest to physicists and engineers working in acoustics, as well as to musicians and psychologists.

Dynamic Secrets in Communication Security Sheng Xiao 2013-08-13 Dynamic secrets are constantly generated and updated from messages exchanged between two communication users. When dynamic secrets are used as a complement to existing secure communication systems, a stolen key or password can be quickly and automatically reverted to its secret status without disrupting communication. "Dynamic Secrets in Communication Security" presents unique security properties and application studies for this technology. Password theft and key theft no longer pose serious security threats when parties frequently use dynamic secrets. This book also illustrates that a dynamic secret based security scheme guarantees impersonation attacks are detected even if an adversary steals a user's password or their key is lost. Practitioners and researchers working in network security or wireless communications will find this book a must-have reference. "Dynamic Secrets in

Communication Security" is also a valuable secondary text for advanced-level students in computer science and

electrical engineering.

United Methodist Church Book of Discipline 2016 United Methodist Church (U.S.) 2016