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Coal Combustion Products (CCPs): Their Nature, Utilization and Beneficiation is a valuable resource for engineers and scientists from the coal, cement, concrete, and construction industries seeking an in-depth guide to the characteristics, utilization, beneficiation, and environmental impacts of coal combustion by-products. Researchers in universities working in this area will also find much to expand their knowledge. The book provides a detailed overview of the different waste materials produced during power generation from coal, exploring their nature, beneficiation techniques, applications, and environmental impacts. Strong focus is placed on coal fly ash, bottom ash, and flue gas desulfurization materials, and their employment in cement, concrete, gypsum products, aggregates, road construction, geotechnics, and agriculture, among other products and industries. Part 1 focuses on the nature of coal ashes, with chapters on their origin, generation, and storage, both in ponds and landfill. The coal combustion by-products produced as a result of clean coal technologies are the focus of the final chapter in the section. The next group of chapters in Part 2 considers the utilization of different waste materials, including the key products coal fly ash, bottom ash, and flue gas desulfurization materials. This is followed by a contribution reviewing the latest research into innovative and advanced uses for coal ash. After an introduction to ash quality problems and quality monitoring, Part 3 concentrates on the essential area of by-product beneficiation techniques, in other words how to maximize the quality of materials for the end user. Topics covered include separation methods, thermal processing, and chemical passivation. The final section of the book addresses environmental issues, including the use of coal combustion by-products in green construction materials and the essential health and safety considerations associated with their use. An essential reference on the nature, reactivity, beneficiation, potential and environmental risks of coal-combustion by-products Contains an in-depth review of the origin and geochemistry of coal ash Explores the utilization of coal combustion by-products as supplementary cementitious materials to reduce the anthropomorphic greenhouse gas emissions associated with the use of ordinary Portland cement concrete Describes the essential area of the toxicology of coal combustion by-products

Symphony conductor Don Fernando longs to hear the sounds of the shofar. Like other conversos during the Spanish Inquisition, he has to hide his Jewish religion and pretend to follow the teachings of the church. But when he is asked to perform a concert celebrating the new world, he and his son Rafael devise a clever plan to usher in the Jewish New Year in plain sight of the Spanish nobility.

Get complete, up-to-date and authoritative coverage of technology and innovation. A broadly encompassing encyclopedia on the emerging topic of technology innovation and management (TIM), this volume covers a wide array of issues. TIM is a relatively new field and is highly interdisciplinary, incorporating strategy and entrepreneurship, economics, marketing, organizational behavior, organization theory, physical and life sciences, and even law. All of these disciplines are represented in this volume, and their intersections are made clear. Entries are contributed by scholars from around the world who are leading experts in their respective topics. This volume is appropriate for scholars who are new to this particular field, as well as industry practitioners interested in understanding the state of knowledge in these specific areas. Entries may also serve as useful instructional materials, given their span of coverage as well as their currency. VK Narayanan is Stubbs Professor of Strategy & Entrepreneurship and Associate Dean of Research at Drexel University, Philadelphia, U.S.A. Gina O'Connor is Associate Professor of Marketing in the Lally School of Management and Technology at Rensselaer Polytechnic Institute, Troy, NY, U.S.A.

Gain a thorough understanding of the dynamics of today's mobile telecommunications standards with this unique new resource. The book examines the development and adoption trajectories of major European standards, such as UMTS, GSM, ERMES, and TETRA. It presents a framework that analyzes the factors that influenced each standard's level of success, and includes the most-comprehensive case studies on these standards.

This book approaches big data, artificial intelligence, machine learning, and business intelligence through the lens of Data Science. We have grown accustomed to seeing these terms mentioned time and time again in the mainstream media. However, our understanding of what they actually mean often remains limited. This book provides a general overview of the terms and approaches used broadly in data science, and provides detailed information on the underlying theories, models, and application scenarios. Divided into three main parts, it addresses what data science is; how and where it is used; and how it can be implemented using modern open source software. The book offers an essential guide to modern data science for all students, practitioners, developers and managers seeking a deeper understanding of how various aspects of data science work, and of how they can be employed to gain a competitive advantage.

Wealth. Influence. Magnetism. Mystery. In twentieth century America, one man alone embodied all these qualities in their purest form. During a life which read like the wildest imaginings of a Hollywood scriptwriter, Howard Hughes - billionaire tycoon, pioneer aviator, playboy, eccentric and movie mogul - became a totem of fascination around the globe. In his twilight years, the mystery surrounding him intensified when he became a total recluse, hiding himself away in shady hotel suites for more than a decade. Some believed him to be dead; others thought he had gone crazy. Few really knew the truth - just as Hughes preferred. The ambiguity surrounding him spawned one of the first modern media obsessions. Speculation abounded, from the business pages of broadsheets through international magazine articles down to the sidewalk opinion-makers. And unsurprisingly there were few books written about Hughes' fascinating life - a life which was rumoured to be on the brink of ruin. So New York author and journalist Clifford Irving set out to do what no one else had done before. In late 1970, Irving ran into an old friend and fellow scribe, Richard Suskind. The two men struck up a conversation about the legendary Hughes, whose recent shadowy globetrotting had caused a sensation in newspapers around the world. It was this conversation that gave Irving the idea to write the 'autobiography' of Howard Hughes. Skillfully convincing the publishing world that he had the direct input of Hughes himself, his colleagues and friends, Irving wrote his book, interweaving accurate research with outlandish fiction, and sold it to a publisher for a record advance of \$1m, hitting headlines around the world...But eventually the tall tale unravelled - the book was unmasked as a hoax. Irving went to prison and the sensational manuscript, described as 'the most famous unpublished book of the century', lay untouched for over 30 years - until now. For the first time, here is the incredible, unexpurgated life story of one of history's most intriguing figures.

Stanley and Brenda Parker are driving about France on their vacation. When they find themselves in a village near the German border on the eve of a local festival, they consider themselves lucky on finding a hotel room. But this kind of luck, no one would want to endure for long. 3 women, 4 men

This timely handbook represents the latest thinking in the field of technology and innovation management, with an up-to-date overview of the key developments in the field. The editor provides with a critical, introductory essay that establishes the theoretical framework for studying technology and innovation management The book will include 15-20 original essays by leading authors chosen for their key contribution to the field These chapters chart the important debates and theoretical issues under 3 or 4 thematic headings The handbook concludes with an essay by the Editor highlighting the emergent issues for research The book is targeted as a handbook for academics as well as a text for graduate courses in technology and innovation management

Argues that video and computer games prepare today's children for success by teaching such critical skills as collaboration, prudent risk taking, strategy formulation, and ethical

decision-making.

Advances in Cardiac Imaging presents the latest information on heart disease and heart failure, major causes of death among western populations. In addition, the text explores the financial burden to public healthcare trusts and the vast amount of research and funding being channeled into programs not only to prevent such diseases, but also to diagnose them in early stages. This book provides readers with a thorough overview of many advances in cardiac imaging. Chapters include technological developments in cardiac imaging and imaging applications in a clinical setting with regard to detecting various types of heart disease. Presents a thorough overview of cardiac imaging technology Addresses specific applications for a number of cardiac diseases and how they can improve diagnoses and treatment protocols Includes technological developments in cardiac imaging and imaging applications in a clinical setting

Did you ever ask whether music makes people smart, why a Parkinson patient's gait is improved with marching tunes, and whether Robert Schumann was suffering from schizophrenia or Alzheimer's disease? This broad but comprehensive book deals with history and new discoveries about music and the brain. It provides a multi-disciplinary overview on music processing, its effects on brain plasticity, and the healing power of music in neurological and psychiatric disorders. In this context, the disorders the plagued famous musicians and how they affected both performance and composition are critically discussed, and music as medicine, as well as music as a potential health hazard are examined. Among the other topics covered are: how music fit into early conceptions of localization of function in the brain, the cultural roots of music in evolution, and the important roles played by music in societies and educational systems. Topic: Music is interesting to almost everybody Orientation: This book looks at music and the brain both historically and in the light of the latest research findings Comprehensiveness: This is the largest and most comprehensive volume on "music and neurology" ever written! Quality of authors: This volume is written by a unique group of real world experts representing a variety of fields, ranging from history of science and medicine to neurology and musicology

Get ready to make soda shooters, bobbing blobs, and foaming fountains. With just a few household items, you can create these science experiments and more. You'll also find out what causes these projects to fizz and bubble. Science has never been this much fun!

The Routledge Companion to Philosophy and Film is the first comprehensive volume to explore the main themes, topics, thinkers and issues in philosophy and film. The Companion features sixty specially commissioned chapters from international scholars and is divided into four clear parts: • issues and concepts • authors and trends • genres • film as philosophy. Part one is a comprehensive section examining key concepts, including chapters on acting, censorship, character, depiction, ethics, genre, interpretation, narrative, reception and spectatorship and style. Part two covers authors and scholars of film and significant theories Part three examines genres such as documentary, experimental cinema, horror, comedy and tragedy. Part four includes chapters on key directors such as Tarkovsky, Bergman and Terrence Malick and on particular films including Memento. Each chapter includes a section of annotated further reading and is cross-referenced to related entries. The Routledge Companion to Philosophy and Film is essential reading for anyone interested in philosophy of film, aesthetics and film and cinema studies.

"Essential reading for understanding both national and panethnic issues that influence cultural expression and the construction of Puerto Rican identity in the US. Analyzes distinctiveness of Puerto Rican culture in New York in relation to that of other US Latino groups. Theoretically grounded essays address many of the contradictions behind the complex process of identity construction among Puerto Ricans and other Latinos. Focuses on popular music and literature"--Handbook of Latin American Studies, v. 58.

The Eurasian continent, which has for over a century lagged behind in global markets, is currently gaining economic and political momentum. This book investigates emerging economic linkages in the area, examining the factors shaping this integration, the benefits and risks involved, and the future of these states on the global stage.

Introduces mixtures and solutions, including the different types of mixtures, how they are used in everyday life, and how they can be physically and chemically separated.

This edited collection presents state-of-the-art reviews of the latest developments in multisensory packaging design. Bringing together leading researchers and practitioners working in the field, the contributions consider how our growing understanding of the human senses, as well as new technologies, will transform the way in which we design, interact with, and experience food and beverage, home and personal care, and fast-moving consumer products packaging. Spanning all of the senses from colour meaning, imagery and font, touch and sonic packaging, a new framework for multisensory packaging analysis is outlined. Including a number of case studies and examples, this book provides both practical application and theoretical discussion to appeal to students, researchers, and practitioners alike.

Contains instructions for more than fifty experiments that children can perform using common items found in the kitchen.

This invaluable collection of memoirs and reviews on scientific activities of the most prominent theoretical physicists belonging to the Landau School OCo Landau, Anselm, Gribov, Zeldovich, Kirzhnits, Migdal, Ter-Martirosyan and Larkin OCo are being published in English for the first time. The main goal is to acquaint readers with the life and work of outstanding Soviet physicists who, to a large extent, shaped theoretical physics in the 1950sOCo70s. Many intriguing details have remained unknown beyond the OC Iron CurtainOCO which was dismantled only with the fall of the USSR.

The Collegeville Bible Commentary is available in an affordable two-volume paperback edition. Special "ease" binding allows the volumes to lie open without assistance. Perfect for classroom use or personal study.

One of the most influential scholars in the field of rhetoric and composition, Robert J. Connors argued vigorously for the importance of grounding contemporary theories and practice in a richly

historicized understanding of the past. This chronological collection, edited by Lisa Ede and Andrea Lunsford, provides a representative sample of Connors's most significant work throughout his twenty-year career.

"Originally published 1977 by Basil Blackwell Oxford in Great Britain and by Wesleyan University Press in the United States."

Originally published: [Annapolis, Md.]: Naval Institute Press, c1992.

Science and art collaborate to recreate life on Earth more than 200 million years ago

This book provides a broad introduction to the physics and technology of the High Luminosity Large Hadron Collider (HL-LHC). This new configuration of the LHC is one of the major accelerator projects for the next 20 years and will give new life to the LHC after its first 15-year operation. Not only will it allow more precise measurements of the Higgs boson and of any new particles that might be discovered in the next LHC run, but also extend the mass limit reach for detecting new particles. The HL-LHC is based on the innovative accelerator magnet technologies capable of generating 11–13 Tesla fields, with effectiveness enhanced by use of the new Achromatic Telescopic Squeezing scheme, and other state-of-the-art accelerator technologies, such as superconducting compact RF crab cavities, advanced collimation concepts, and novel power technology based on high temperature superconducting links. The book consists of a series of chapters touching on all issues of technology and design, and each chapter can be read independently. The first few chapters give a summary of the whole project, of the physics motivation and of the accelerator challenges. The subsequent chapters cover the novel technologies, the new configurations of LHC and of its injectors as well as the expected operational implications. Altogether, the book brings the reader to the heart of technologies for the leading edge accelerator and gives insights into next generation hadron colliders.

Discussions of policy networks are becoming increasingly common in the analysis of public policy in the Western world. This book addresses the key theoretical issues surrounding policy networks.

This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

This volume discusses entrepreneurship education in Europe on the basis of in-depth case studies of related activities at twenty higher education institutions. Based on a model of entrepreneurship education, the analysis addresses curricular and extra-curricular teaching, as well as the institutional and stakeholder context of delivering entrepreneurship education within higher educational institutions. The book offers both insightful entrepreneurship teaching practices and a discussion of potential organizational drivers and barriers. Accordingly, it provides a valuable resource for researchers, instructors, and managers of entrepreneurship education alike.

The Handbook of Technology and Innovation Management John Wiley & Sons

Contextualizing Disaster offers a comparative analysis of six recent "highly visible" disasters and several slow-burning, "hidden," crises that include typhoons, tsunamis, earthquakes, chemical spills, and the unfolding consequences of rising seas and climate change. The book argues that, while disasters are increasingly represented by the media as unique, exceptional, newsworthy events, it is a mistake to think of disasters as isolated or discrete occurrences. Rather, building on insights developed by political ecologists, this book makes a compelling argument for understanding disasters as transnational and global phenomena.

This edited volume focuses on the latest and most impactful advancements of multimedia data globally available for environmental and earth biodiversity. The data reflects the status, behavior, change as well as human interests and concerns which are increasingly crucial for understanding environmental issues and phenomena. This volume addresses the need for the development of advanced methods, techniques and tools for collecting, managing, analyzing, understanding and modeling environmental & biodiversity data, including the automated or collaborative species identification, the species distribution modeling and their environment, such as the air quality or the bio-acoustic monitoring. Researchers and practitioners in multimedia and environmental topics will find the chapters essential to their continued studies.

This book constitutes the refereed proceedings of the 10th Metadata and Semantics Research Conference, MTSR 2016, held in Göttingen, Germany, in November 2016. The 26 full papers and 6 short papers presented were carefully reviewed and selected from 67 submissions. The papers are organized in several sessions and tracks: Digital Libraries, Information Retrieval, Linked and Social Data, Metadata and Semantics for Open Repositories, Research Information Systems and Data Infrastructures, Metadata and Semantics for Agriculture, Food and Environment, Metadata and Semantics for Cultural Collections and Applications, European and National Projects.

Lila and her grandpa live on the Caribbean island of St. Lucia, where Grandpa works as a fisherman. When huge boats begin to rob the sea of its fish, Grandpa has to find another way to make a living. Lila has a special relationship with her grandpa. From him she learns the ways of the sea and of the heart. Grandpa believes that "if we give back something for everything we take, we will always meet with abundance." Following his seaman's heart and guided by his respect for the sea, Grandpa realizes another way to make living. Katherine Orr has created a gentle island tale of the Caribbean, enhanced by vivid, tropical illustrations. Children and adults alike will cherish this book for year to come.

Explore exciting options for a career in landscape architecture Blending aesthetics and environmental consciousness, landscape architecture is one of the fastest growing fields, according to the US Department of Labor. Becoming a Landscape Architect gives you a comprehensive survey of the field as it is practiced today, and explains how to get started

and how to succeed in this exciting, creative, and in-demand profession. Featuring more than thirty-five interviews with leading landscape architects and more than 250 illustrations, the guide covers everything an aspiring landscape architect needs to know- from education and training, design specialties, and work settings to preparing an effective portfolio and finding a job in residential, ecological, commercial, and parks design. Complete guide to the profession of landscape architecture, one of today's fastest growing fields More than thirty-five interviews with leading landscape designers and educators give you an idea of what it's really like to work as a landscape architect Over 250 striking illustrations and a lively interior make the book visually appealing as well as informative Explains different educational paths and their prerequisites and requirements Author Kelleann Foster is Associate Professor and Assistant Department Head, Department of Landscape Architecture, Pennsylvania State University and Managing Partner, Visual Interactive Communications Group

How do social researchers know how to select the action research (AR) approach most appropriate for their study? This book provides an overview of the different approaches. The authors introduce the history, philosophy, social change agenda, methodologies, ethical arguments for, and fieldwork tools of AR. They present an extensive range of cases, some from their own experience and, untypically, they rehearse failures as well as successes. The book will prove invaluable for both newcomers and experienced researchers and practitioners.

In this surprisingly timely book, Stephen Mack examines Whitman's particular and fascinating brand of patriotism: his far-reaching vision of democracy. For Whitman, loyalty to America was loyalty to democracy. Since the idea that democracy is not just a political process but a social and cultural process as well is associated with American pragmatism, Mack relies on the pragmatic tradition of Emerson, James, Dewey, Mead, and Rorty to demonstrate the ways in which Whitman resides in this tradition. Mack analyzes Whitman's democratic vision both in its parts and as a whole; he also describes the ways in which Whitman's vision evolved throughout his career. He argues that Whitman initially viewed democratic values such as individual liberty and democratic processes such as collective decision-making as fundamental, organic principles, free and unregulated. But throughout the 1860s and 1870s Whitman came to realize that democracy entailed processes of human agency that are more deliberate and less natural—that human destiny is largely the product of human effort, and a truly humane society can be shaped only by intelligent human efforts to govern the forces that would otherwise govern us. Mack describes the foundation of Whitman's democracy as found in the 1855 and 1856 editions of *Leaves of Grass*, examines the ways in which Whitman's 1859 sexual crisis and the Civil War transformed his democratic poetics in "Sea-Drift," "Calamus," *Drum-Taps*, and *Sequel to Drum-Taps*, and explores Whitman's mature vision in *Democratic Vistas*, concluding with observations on its moral and political implications today. Throughout, he illuminates Whitman's great achievement—learning that a full appreciation for the complexities of human life meant understanding that liberty can take many different and conflicting forms—and allows us to contemplate the relevance of that achievement at the beginning of the twenty-first century.

With the imminent operational start of the Japan Proton Accelerator Research Complex (J-PARC), a range of fundamental experiments in nuclear and particle physics will come within reach. This book details the most promising ones.

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