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Along with basic automotive service subjects, this book covers engine design, construction, operation, diagnosis, and service. It also contains subject matter included on tests given by the National Institute for Automotive Service Excellence (ASE) for engine repair and engine machinists.

New costing procedures for a new economic age Increasing global competition is causing upheaval in every area of industry and commerce. An explosion in the use of advanced technologies is continuing to fundamentally revolutionize the way we go about doing business. These factors are in turn driving dramatic reductions in product life cycles (the average product life cycle is now well under five years) and exerting tremendous pressure on profit margins. The effect has been to substantially change cost structures with their traditional focus on direct labor and arbitrary allocation of overhead. Yet we continue to measure cost in the old way. Now, here's a book that shows you how to update your accounting procedures in order to effectively accommodate these significant changes. Step by step, *Activity Accounting: An Activity-Based Costing Approach* describes activity accounting in a clear, concise manner. It emphasizes the strengths and benefits of an activity-based approach to business management and demonstrates how you can apply activity accounting to your organization. Activity-based accounting is an essential tool for running your business in the 90s. This book is a must-have tool for learning how to master it.

Marco Armiero is Senior Researcher at the Italian National Research Council and Marie Curie Fellow at the Institute of Environmental Sciences and Technologies, Universitat Autònoma de Barcelona. He has published extensively on Italian environmental history and edited *Views from the South: Environmental Stories from the Mediterranean World*. -- SCADA systems are at the heart of the modern industrial enterprise. In a market that is crowded with high-level monographs and reference guides, more practical information for professional engineers is required. This book gives them the knowledge to design their next SCADA system more effectively.

In *Map of the Soul - Ego: I Am*, Dr. Murray Stein explores the beginnings of consciousness and the concept of the "I," as well as the evocative lyrics from the Korean Pop band BTS's album, *Map of the Soul: 7*. BTS's album series titled *Map of the Soul* was largely inspired by Dr. Stein's presentation of C.G. Jung's groundbreaking psychological insights. Ego is the center of consciousness. Yet, "ego can separate itself from the body, and then become a virtual reality in its own right." This book is an overview of the ego from a Jungian perspective but also is a rich and nuanced examination of how the creative spark can ignite and sustain meaningful psychological growth. The author and collaborators are deeply indebted to BTS, whose world-wide popularity points to their remarkable ability to tap into universal themes. BTS's music inspired this work and this introductory series of books may inspire others to explore their inner life. Table of Contents 1. Introduction 2. BTS and *Outro: Ego* 3. A Review of the *Map of the Soul* 4. Ego, Consciousness and the "I" 5. The Ego 6. Final Thoughts on Ego

and content management. Whether you're an industry practitioner or intend to become one, *Web Engineering: A Practitioner's Approach* can help you meet the challenge of the next generation of Web-based systems and applications. --Book Jacket.

Going beyond the 'blackness' of black art to examine the integrative and interdisciplinary practices of Kara Walker, Fred Wilson, Isaac Julien, Glenn Ligon, and William Pope.L—five contemporary black artists in whose work race plays anything but a defining role. Work by black artists today is almost uniformly understood in terms of its "blackness," with audiences often expecting or requiring it to "represent" the race. In *How to See a Work of Art in Total Darkness*, Darby English shows how severely such expectations limit the scope of our knowledge about this work and how different it looks when approached on its own terms. Refusing to grant racial blackness—his metaphorical "total darkness"—primacy over his subjects' other concerns and contexts, he brings to light problems and possibilities that arise when questions of artistic priority and freedom come into contact, or even conflict, with those of cultural obligation. English examines the integrative and interdisciplinary strategies of five contemporary artists—Kara Walker, Fred Wilson, Isaac Julien, Glenn Ligon, and William Pope.L—stressing the ways in which this work at once reflects and alters our view of its informing context: the advent of postmodernity in late twentieth-century American art and culture. The necessity for "black art" comes both from antiblack racism and resistances to it, from both segregation and efforts to imagine an autonomous domain of black culture. Yet to judge by the work of many contemporary practitioners, English writes, black art is increasingly less able—and black artists less willing—to maintain its standing as a realm apart. Through close examinations of Walker's controversial silhouettes' insubordinate reply to pictorial tradition, Wilson's and Julien's distinct approaches to institutional critique, Ligon's text paintings' struggle with modernisms, and Pope.L's vexing performance interventions, English grounds his contention that to understand this work is to displace race from its central location in our interpretation and to grant right of way to the work's historical, cultural, and aesthetic specificity.

During the first half of the twentieth century, movements seeking political equality emerged in France's overseas territories. Within twenty years, they were replaced by movements for national independence in the majority of French colonies, protectorates, and mandates. In this pathbreaking study of the decolonization era, Adria Lawrence asks why elites in French colonies shifted from demands for egalitarian and democratic reforms to calls for independent statehood, and why mass mobilization for independence emerged where and when it did. Lawrence shows that nationalist discourses became dominant as a consequence of the failure of the reform agenda. Where political rights were granted, colonial subjects opted for further integration and reform. Contrary to conventional accounts, nationalism was not the only or even the primary form of anti-colonialism. Lawrence shows further that mass nationalist protest occurred only when and where French authority was disrupted. Imperial crises were the cause, not the result, of mass protest.

Hydrology is a topical and growing subject, as the earth's water resources become scarcer and more vulnerable. Although more than half the surface area of continents is covered with hard fractured rocks, there has until now been no single book available

dealing specifically with fractured rock hydrogeology. This book deals comprehensively with the fundamental principles for understanding these rocks, as well as with exploration techniques and assessment. It also provides in-depth discussion of structural mapping, remote sensing, geophysical exploration, GIS, field hydraulic testing, groundwater quality and contamination, geothermal reservoirs, and resources assessment and management. Hydrogeological aspects of various lithology groups, including crystalline rocks, volcanic rocks, carbonate rocks and clastic formations, are dealt with separately, using and discussing examples from all over the world. Applied Hydrogeology of Fractured Rocks will be an invaluable reference source for postgraduate students, researchers, exploration scientists, and engineers engaged in the field of groundwater development in fractured rock areas.

A SCADA system gathers information, such as where a leak on a pipeline has occurred, transfers the information back to a central site, alerting the home station that the leak has occurred, carrying out necessary analysis and control, such as determining if the leak is critical, and displaying the information in a logical and organized fashion. SCADA systems can be relatively simple, such as one that monitors environmental conditions of a small office building, or incredibly complex, such as a system that monitors all the activity in a nuclear power plant or the activity of a municipal water system. An engineer's introduction to Supervisory Control and Data Acquisition (SCADA) systems and their application in monitoring and controlling equipment and industrial plant Essential reading for data acquisition and control professionals in plant engineering, manufacturing, telecommunications, water and waste control, energy, oil and gas refining and transportation Provides the knowledge to analyse, specify and debug SCADA systems, covering the fundamentals of hardware, software and the communications systems that connect SCADA operator stations This is a reference source for practising engineers specializing in electric power engineering and industrial electronics. It begins with the basic dynamic models of induction motors and progresses to low- and high-performance drive systems.

Network Protection & Automation Guide Smart Helicopter Rotors Optimization and Piezoelectric Vibration Control Springer In recent years the engagement between the environmental 'agenda' and mainstream political theory has become increasingly widespread and profound. Each has affected the other in palpable and important ways, and it makes increasing sense for political theorists in each camp to engage with one another. This book, first published in 2006, draws together the threads of this interconnecting enquiry in order to assess its status and meaning. Andrew Dobson and Robyn Eckersley have gathered together a team of renowned scholars to think through the challenge that political ecology presents to political theory. Looking at fourteen familiar political ideologies and concepts such as liberalism, conservatism, justice and democracy, the contributors question how they are reshaped, distorted or transformed from an environmental perspective. Lively, accessible and authoritative, this book will appeal to scholars and students alike.

Modern Refrigeration and Air Conditioning provides an excellent blend of theory with job-qualifying skills, making it a leader in the refrigeration and air conditioning field! This comprehensive text teaches both fundamental principles and the service techniques needed to diagnose and remedy HVAC problems. Modern Refrigeration and Air Conditioning contains the most recent information and advances in the field needed to prepare the technician for success in today's world. This edition includes up-to-date material on EPA rules and regulations covering refrigerant recovery, recycling, and reclaiming. Both students and practicing technicians will benefit from the comprehensive approach of this text, which provides a solid and thorough knowledge of all aspects of refrigeration and air conditioning.

Does your organization provide customer satisfaction or does it inspire customer loyalty? Which is more important? See how lessons learned from the service sector were applied to manufacturing and other diverse settings, including the nonprofit sector and even on one's own home front. Exploring the Kano Model, The Customer-Driven Organization: Employing the Kano Model explains why just meeting customer needs is no longer enough for today's organizations. It explains how to identify true customers—both internal and external. Readers will learn how to directly apply Kano principles in their own business environments or personal lives, to establish priorities, increase efficiency, improve communication, and expand on existing relationships. The book explains how to establish a value proposition for your organization and, more importantly, how and when to provide "delightful" service. Demonstrating how to incorporate the Kano philosophy into your day-to-day activities, this book is a must-read for any organization or individual looking to do more with less by achieving a truly customer-driven focus.

This volume addresses the need to revisit the economic theories from the last two decades that have contributed to the development of a concentrated research agenda on nonprofit organizations. Long neglected as a topic of theorizing and empirical investigation by mainstream economics in particular, these initial theories of nonprofit organizations from the late 1970s and early 1980s continue to shape theoretical and conceptual efforts. Importantly, their influence extends beyond economics and informs sociological and politics science approaches to the set of organizations and institutions located between the market firm and the state agency as well. While the theoretical map of nonprofit research has expanded beyond these early attempts and now include several other major theories such as stakeholder approaches, supply-side or entrepreneurial theories, institutional theories and comparative approaches. This work suggests that it is time to take stock and reexamine some of the basics from which these economic theories operate.

Contents: Principles of operation of a linear accelerator; Theory of the motion of particles in an accelerator; Focusing in a linear accelerator; High frequency accelerating systems; Injection devices; The electrical strength of vacuum insulation and spurious loads in accelerators; Problems of high-frequency feed; Construction of linear accelerators.

Pipeline engineering has struggled to develop as a single field of study due to the wide range of industries and government organizations using different types of pipelines for all types of solids, liquids, and gases. This fragmentation has impeded professional development, job mobility, technology transfer, the diffusion of knowledge, and the movement of manpower. No single, authoritative course or book has existed to unite practitioners. In response, Pipeline Engineering covers the essential aspects and types of pipeline engineering in a single volume. This work is divided into two parts. Part I, Pipe Flows, delivers an integrated treatment of all variants of pipe flow including incompressible and compressible, Newtonian and non-Newtonian, slurry and multiphase flows, capsule flows, and pneumatic transport of solids. Part II, Engineering Considerations, summarizes the equipment and methods required for successful planning, design, construction, operation, and maintenance of pipelines. By addressing the fundamentals of pipeline engineering-concepts, theories, equations, and facts-this groundbreaking text identifies the cornerstones of the discipline, providing engineers with a springboard to success in the field. It is a must-read for all pipeline engineers.

Water is essential for all life forms. It is a fundamental resource necessary for socio-economic development and for ecological

sustainability. Good quality water is becoming scarce due to population growth and associated industrial development and pollution particularly in towns and cities. It is timely that the sustainability and management of water resources is widely discussed noting that water can be used an unlimited number of times with proper treatment. The papers in Sustainability of Water Resources, were originally presented at a meeting at Murdoch University on 13-14 November 2002, where new and innovative methods of treatment, better understanding and assessment of resources and their supporting ecosystems, and proper management for conservation were explored. The meeting was preceded by a two day workshop on 'Water for Cities' and participants from the workshop from the Asia Pacific and Indian Ocean regions contributed to lively discussion at the conference. Corporate governance principles provide guidance on how corporations should operate. Adoption of international corporate governance best practices leads to long-term sustainability and resilience, and can be a competitive tool to attract foreign investments. The Asian Development Bank, in partnership with the ASEAN Capital Markets Forum, have jointly developed the ASEAN Corporate Governance Scorecard, an assessment based on publicly available information and benchmarked against international best practices that encourage publicly listed companies to go beyond national legislative requirements. This report can be used by capital market regulators and other stakeholders as a reference to understand the current corporate governance standards across the region. It is also a useful diagnostic tool to guide improvement of corporate governance standards.

Pt. I. The planning approach. ch. 1. Introduction. ch. 2. Planning. ch. 3. Undertake effective communications -- pt. II. Information gathering and assessment. ch. 4. Analyze your past planning efforts; market the new planning. ch. 5. Collect information for the plan. ch. 6. Assess the business and IT environment. ch. 7. Determine alignment of IT and processes to the business -- pt. III. Develop the plan. ch. 8. Develop issues and opportunities for the plan. ch. 9. Define objectives and constraints. ch. 10. Create strategies and action items. ch. 11. Create strategic IT and process plans for business units. ch. 12. Build and market the plan and planning method -- pt. IV. Implement the plan. ch. 13. Perform strategic resource allocation. ch. 14. Implement the plan - short term. ch. 15. Implement the plan - long term. ch. 16. Measure planning results and update the plan. ch. 17. Conclusions and actions to take. ch. 18. Planning example - Irish farming organization

Yoland Wadsworth's ground-breaking proposition is that the act of inquiry is the way by which every living organism and all collective human life goes about continuously learning, improving and changing. Building in Research and Evaluation explores this new approach, a basic theory of human understanding and action. By deepening our understanding about the cyclical processes of acting, observing, questioning, feeling, reflecting, thinking, planning and acting again, Wadsworth identifies how new life might be brought to what we do, both professionally, and personally. Far from being dry academic theory, she shows how this practice-derived evaluative inquiry process can drive progress toward social justice and human betterment. This book will open new vistas of thought and new methods of inquiry for the reflective practitioner in health, human services, education, social sciences. It is the theoretical capstone of a trilogy of best-selling books by Wadsworth, which also includes Everyday Evaluation on the Run and Do-it-Yourself Social Research.

This book addresses the social and environmental justice challenge to live sustainably and well. It considers the consequences of our social, economic and environmental policy and governance decisions for this generation and the next. The book tests out ways to improve representation, accountability and re-generation. It addresses the need to take into account the ethical implications of policy and governance decisions in the short, medium and long term based on testing out the implications for self, other and the environment. This book recognizes the negative impact that humans have had on the Earth's ecosystem and recommends a less anthropocentric way of looking at policies and governance. The chapters discuss the geologic impact that people have had on the globe, both positive and negative, and brings awareness to the anthropocentric interventions that have influenced life on Earth during the Holocene era. Based on these observations, the authors discuss original ideas and critical reviews on ways to govern those who interpret the world in terms of human values and experience, and to conduct an egalitarian lifestyle. These ideas address the growing rise in the size of the ecological footprints of some at the expense of the majority, the growth in unsustainable food choices and of displaced people, and the need for a new sense of relationship with nature and other animals, among other issues. The chapters included in Balancing Individualism and Collectivism: Social and Environmental Justice encourage readers to challenge the sustainability agenda of the anthropocentric life. Proposed solutions to these unsustainable actions include structuralized interventions and volunteerism through encouragement and education, with a focus on protecting current and future generations of life through new governmental etiquette and human cognizance.

A translation of a popular Buddhist work on worldly ethics by Tibet's most famous philosopher. Leadership. Power. Responsibility. From Sun Tzu to Plato to Machiavelli, sages east and west have advised kings and rulers on how to lead. Their motivations and techniques have varied, but one thing they all have had in common is that their advice has been as relevant to the millions who have read their works as it has been to the few kings and princes they were, on the surface, addressed to. The nineteenth-century Buddhist monk and luminary Jamgön Mipham's letter to the king of Dergé, whose small kingdom straddled China and Tibet during a particularly turbulent period, is similar in the universality of its message. This work, however, is unique in that it stresses compassion, impartiality, self-control, and virtue as essential for long-lasting success—whether as a leader or an individual trying to live a meaningful life. Mipham's historic contribution to ethics and governance, until now little studied outside of Buddhist circles, teaches us the importance of protecting life, fair taxation, environmental sustainability, aiding the poor, and freedom of religion. Both present day leaders and those they lead will find this classic work, finally available in English, profoundly illuminating on political, societal, and personal levels.

In 1945, Vannevar Bush, founder of Raytheon and one-time engineering dean at MIT, delivered a report to the president of the United States that argued for the importance of public support for science, and the importance of science for the future of the nation. The report, Science: The Endless Frontier, set America on a path toward strong and well-funded institutions of science, creating an intellectual architecture that still defines scientific endeavor today. In The Changing Frontier, Adam B. Jaffe and Benjamin Jones bring together a group of prominent scholars to consider the changes in science and innovation in the ensuing decades. The contributors take on such topics as changes in the organization of scientific research, the geography of innovation, modes of entrepreneurship, and the structure of research institutions and linkages between science and innovation. An important analysis of where science stands today, The Changing Frontier will be invaluable to practitioners and policy makers alike.

Vision and Society is an attempt to show that it is possible to go beyond a sociology of art to the more ambitious possibility of a sociology from art. This book develops a theory of the relationship of the visual and the social and illustrates these with comparative examples from around the world.

For generations of engineers, students and practitioners, this collection of technical formulae has provided a brief, clear, and handy guide to solve the most important technical and mathematical problems. Since the book has been printed on one side of the Developed for the required management course in all pharmacy curricula, this text covers everything from personal management to operations management, managing people, accounting basics and finance, marketing, purchasing, value-added services, managing risks and more, in this text the top experts focus on the principles applicable to all practice settings and all aspects of pharmacy practice. Evidence based, theory is directly applied to cases and examples.

Automotive Encyclopedia is a complete, up-to-date automotive library in one easy-to-understand volume. Thorough coverage is given to fundamental operating principles, as well as troubleshooting, service, and repair procedures. The 2000 edition has been updated to include the latest developments in the field and reorganized to facilitate learning. Full-color photographs and illustrations are used throughout the text. Automotive Encyclopedia provides the foundation on which a thorough knowledge of automotive technology is based.

This book provides an introductory treatment of the fundamentals of decision-making in a distributed framework. Classical detection theory assumes that complete observations are available at a central processor for decision-making. More recently, many applications have been identified in which observations are processed in a distributed manner and decisions are made at the distributed processors, or processed data (compressed observations) are conveyed to a fusion center that makes the global decision. Conventional detection theory has been extended so that it can deal with such distributed detection problems. A unified treatment of recent advances in this new branch of statistical decision theory is presented. Distributed detection under different formulations and for a variety of detection network topologies is discussed. This material is not available in any other book and has appeared relatively recently in technical journals. The level of presentation is such that the book can be used as a graduate-level textbook. Numerous examples are presented throughout the book. It is assumed that the reader has been exposed to detection theory. The book will also serve as a useful reference for practicing engineers and researchers. I have actively pursued research on distributed detection and data fusion over the last decade, which ultimately interested me in writing this book. Many individuals have played a key role in the completion of this book.

Many rural communities attract meat, poultry and fish processing plants owned by transnational corporations. They often bring social disorder in their wake (incoming workers). This work offers anthropological, geographical, sociological, journalist and industrial perspectives on the issue.

Contributions by Rick Graziani and Bob Vachon.

Exploiting the properties of piezoelectric materials to minimize vibration in rotor-blade actuators, this book demonstrates the potential of smart helicopter rotors to achieve the smoothness of ride associated with jet-engined, fixed-wing aircraft. Vibration control is effected using the concepts of trailing-edge flaps and active-twist. The authors' optimization-based approach shows the advantage of multiple trailing-edge flaps and algorithms for full-authority control of dual trailing-edge-flap actuators are presented. Hysteresis nonlinearity in piezoelectric stack actuators is highlighted and compensated by use of another algorithm. The idea of response surfaces provides for optimal placement of trailing-edge flaps. The concept of active twist involves the employment of piezoelectrically induced shear actuation in rotating beams. Shear is then demonstrated for a thin-walled aerofoil-section rotor blade under feedback-control vibration minimization. Active twist is shown to be significant in reducing vibration caused by dynamic stall. The exposition of ideas, materials and algorithms in this monograph is supported by extensive reporting of results from numerical simulations of smart helicopter rotors. This monograph will be a valuable source of reference for researchers and engineers with backgrounds in aerospace, mechanical and electrical engineering interested in smart materials and vibration control. Advances in Industrial Control aims to report and encourage the transfer of technology in control engineering. The rapid development of control technology has an impact on all areas of the control discipline. The series offers an opportunity for researchers to present an extended exposition of new work in all aspects of industrial control.

Energy Efficiency in the Urban Environment is a study of energy crisis, urbanisation, and climate change, as well as a discussion of how to combat these global challenges. With a special focus on Egypt, this book addresses the macroscale of urbanism from the perspective of city dwellers' quality of life, and explores the microscale of buildings and the perspective of ensuring indoor air quality within the boundaries of energy efficiency. Offering an integrated view of energy systems and urban planning supported by extensive data, references, and case studies, this text: Examines the energy efficiency performance of cities following sustainable urbanism principles Investigates how informal areas in developing countries achieve sustainable development Presents energy-efficient urban planning as a tool for improving city energy performance Proposes the development of a common procedure for obtaining an energy performance certificate Calculates the energy performance of buildings, accounting for heating/cooling systems and other variables Energy Efficiency in the Urban Environment demonstrates the importance of implementing an energy performance directive to aid energy savings in large buildings and set regulations for energy-efficient designs based on standard calculation methods. This book provides engineers working with sustainable energy systems, urban planners needing information on energy systems and optimisation, and professors and students of engineering, environmental science, and urban planning with a valuable reference on energy sustainability.

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