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Technics and Civilization Lewis Mumford
2010-10-30 Technics and Civilization first presented its compelling history of the machine and critical study of its effects on civilization in 1934—before television, the personal computer, and the Internet even appeared on our periphery.

Drawing upon art, science, philosophy, and the history of culture, Lewis Mumford explained the origin of the machine age and traced its social results, asserting that the development of modern technology had its roots in the Middle Ages rather than the Industrial Revolution. Mumford sagely argued that it was the moral,

economic, and political choices we made, not the machines that we used, that determined our then industrially driven economy. Equal parts powerful history and polemic criticism, *Technics and Civilization* was the first comprehensive attempt in English to portray the development of the machine age over the last thousand years—and to predict the pull the technological still holds over us today. “The questions posed in the first paragraph of *Technics and Civilization* still deserve our attention, nearly three quarters of a century after they were written.”—*Journal of Technology and Culture*

Dorland's Dictionary of Medical Acronyms and Abbreviations E-Book Dorland 2015-07-24
Medical acronyms and abbreviations offer convenience, but those countless shortcuts can often be confusing. Now a part of the popular Dorland’s suite of products, this reference features thousands of terms from across various medical specialties. Its alphabetical arrangement makes for quick reference, and expanded

coverage of symbols ensures they are easier to find. Effective communication plays an important role in all medical settings, so turn to this trusted volume for nearly any medical abbreviation you might encounter. Symbols section makes it easier to locate unusual or seldom-used symbols. Convenient alphabetical format allows you to find the entry you need more intuitively. More than 90,000 entries and definitions. Many new and updated entries including terminology in expanding specialties, such as Nursing; Physical, Occupational, and Speech Therapies; Transcription and Coding; Computer and Technical Fields. New section on abbreviations to avoid, including Joint Commission abbreviations that are not to be used. Incorporates updates suggested by the Institute for Safe Medication Practices (ISMP).

The Revenue Growth Habit Alex Goldfayn 2015-07-07 800-CEO-Read Sales Book Of The Year for 2015 | Forbes 15 Best Business Books of 2015 | “The chapters, (46 of them in this 256

page book) are quick and concise, and it is easy to pick it up anywhere and find a nugget of easily actionable advice, but the kicker is that the actions he recommends are also quick and concise, so that we can accomplish them in the few bursts of spare time we all have left.” – 800CEORead.com “Follow Goldfayn's brilliant advice and you will have an endless supply of customer testimonials, spontaneous referrals, and new business, and it will compel you to buy a beautiful fountain pen and stop obsessing over social media. His advice simply works.” – Inc.com

Grow your business by 15% with these proven daily growth actions Do you have trouble finding time during your hectic day to grow your business? Is your company stalled because you are too busy reacting to customer problems? Do you lack the funds to jumpstart an effective marketing plan? The Revenue Growth Habit gives business owners, leaders, and all customer facing staff a hands-on resource for increasing revenue that is fast, easy, and requires no financial

investment. Alex Goldfayn, CEO of the Evangelist Marketing Institute, shows how to grow your organization by 15% or more in 15 minutes or less per day—without spending a penny of your money. Forget about relying on social media. Posting on Twitter, Facebook, and LinkedIn doesn't grow revenue, especially for business-to-business companies. The Revenue Growth Habit shows how to request and collect testimonials and how to communicate these testimonials to grow your business. You will discover how to write powerful case studies, ask for (and get!) referrals, grow your lists, and send a revenue-growing newsletter. Goldfayn also includes information for teaching your customer service people how to inform your current clients about what else they can buy from you. This proven approach revolves around letting your customers tell your story. There is nothing you can say about your products and services that is more effective than what your paying customers say. How does it work? Each day, take one quick,

proactive communication action that tells someone about how they'll be improved after buying from you. Choose from the 22 actions Goldfayn details in *The Revenue Growth Habit*. Each technique is fast, simple, and free. It only requires your personal effort to communicate the value of your product or service to someone who can buy from you. Personal communication—the key to the 22 action steps—will make your company stand head-and-shoulders above the competition.

Dictionary of Acronyms and Technical

Abbreviations Jakob Vlietstra 2012-12-06 This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the

areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

Rockets and People: Boris Chertok 2013-04-29

Much has been written in the West on the history of the Soviet space program but few Westerners have read direct first-hand accounts of the men and women who were behind the many Russian accomplishments in exploring space. The memoirs of Academician Boris Chertok, translated from the original Russian, fills that gap. Chertok began his career as an electrician in 1930 at an aviation factory near Moscow. Twenty-seven years later, he became deputy to the founding figure of the Soviet space program, the mysterious “Chief Designer” Sergey Korolev. Chertok's sixty-year-long career and the many successes and failures of the Soviet space program constitute the core of his memoirs, *Rockets and People*. In these writings, spread over four volumes, Academician Chertok not only

describes and remembers, but also elicits and extracts profound insights from an epic story about a society's quest to explore the cosmos. In Volume 1, Chertok describes his early years as an engineer and ends with the mission to Germany after the end of World War II when the Soviets captured Nazi missile technology and expertise. Volume 2 takes up the story with the development of the world's first intercontinental ballistic missile (ICBM) and ends with the launch of Sputnik and the early Moon probes. In Volume 3, Chertok recollects the great successes of the Soviet space program in the 1960s including the launch of the world's first space voyager Yuriy Gagarin as well as many events connected with the Cold War. Finally, in Volume 4, Chertok meditates at length on the massive Soviet lunar project designed to beat the Americans to the Moon in the 1960s, ending with his remembrances of the Energiya-Buran project. NASA SP-2005-4110.

Advances in Industrial and Production

Engineering Rakesh Kumar Phanden 2021-03-21

This book comprises the select proceedings of the 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME) 2020. In particular, this volume discusses different topics of industrial and production engineering such as sustainable manufacturing processes, logistics, Industry 4.0 practices, circular economy, lean six sigma, agile manufacturing, additive manufacturing, IoT and Big Data in manufacturing, 3D printing, simulation, manufacturing management and automation, surface roughness, multi-objective optimization and modelling for production processes, developments in casting, welding, machining, and machine tools. The contents of this book will be useful for researchers as well as industry professionals.

CISSP For Dummies Lawrence C. Miller
2009-11-12

Introduction to Health Physics: Fourth Edition Herman Cember 2008-05-04 A dynamic,

all-inclusive overview of the field of health physics If it's an important topic in the field of health physics, you'll find it in this trusted text . . . in sections on physical principles, atomic and nuclear structure, radioactivity, biological effects of radiation, and instrumentation. This one-of-a-kind guide spans the entire scope of the field and offers a problem-solving approach that will serve you throughout your career. Features: A thorough overview of need-to-know topics, from a review of physical principles to a useful look at the interaction of radiation with matter Chapter-ending practice problems to solidify your grasp of health physics topics and their real-world application Essential background material on quantitative risk assessment for health-threatening radiation dangers Authoritative radiation safety and environmental health coverage that supports the International Commission on Radiological Protection's standards for specific populations High-yield appendices to expand your comprehension of

chapter material: Values of Some Useful Constants, Table of the Elements, The Reference Person, Specific Absorbed Fraction of Photon Energy, and Total Mass Attenuation Coefficients NEW! Essential coverage of non-ionizing radiation-laser and microwaves, computer use in dose calculation, and dose limit recommendations

Solar Technologies for Buildings Ursula Eicker 2006-08-14 A complete overview of solar technologies relevant to the built environment, including solar thermal energy for heating and cooling, passive solar energy for daylighting and heating supply, and photovoltaics for electricity production Provides practical examples and calculations to enable component and system simulation e.g. Calculation of U-values, I-V curve parameters and radiance distribution modelling Discusses the new trends in thermal energy use, including the architectural integration of collector systems, integrated ventilation photovoltaics facades and solar powered absorption cooling

systems Coverage of cutting-edge applications such as active and passive cooling techniques and results from ongoing research projects

Ethics in Engineering Practice and Research

Caroline Whitbeck 2011-08-15 The first edition of Caroline Whitbeck's Ethics in Engineering Practice and Research focused on the difficult ethical problems engineers encounter in their practice and in research. In many ways, these problems are like design problems: they are complex, often ill defined; resolving them involves an iterative process of analysis and synthesis; and there can be more than one acceptable solution. In the second edition of this text, Dr Whitbeck goes above and beyond by featuring more real-life problems, stating recent scenarios and laying the foundation of ethical concepts and reasoning. This book offers a real-world, problem-centered approach to engineering ethics, using a rich collection of open-ended case studies to develop skill in recognizing and addressing ethical issues.

Engineering Flow and Heat Exchange Octave Levenspiel 2014-11-26 The third edition of Engineering Flow and Heat Exchange is the most practical textbook available on the design of heat transfer and equipment. This book is an excellent introduction to real-world applications for advanced undergraduates and an indispensable reference for professionals. The book includes comprehensive chapters on the different types and classifications of fluids, how to analyze fluids, and where a particular fluid fits into a broader picture. This book includes various a wide variety of problems and solutions – some whimsical and others directly from industrial applications. Numerous practical examples of heat transfer Different from other introductory books on fluids Clearly written, simple to understand, written for students to absorb material quickly Discusses non-Newtonian as well as Newtonian fluids Covers the entire field concisely Solutions manual with worked examples and solutions provided

Ramjet Engines Mikhail Makarovich Bondariuk
1969

Controlling disinfection byproducts and microbial contaminants in drinking water

Lightning Protection of Aircraft Franklin Fisher 2012-07-13 This book is an attempt to present under one cover the current state of knowledge concerning the potential lightning effects on aircraft and that means that are available to designers and operators to protect against these effects. The impetus for writing this book springs from two sources- the increased use of nonmetallic materials in the structure of aircraft and the constant trend toward using electronic equipment to handle flight-critical control and navigation function.

The Science of Hair Care, Second Edition
CLAUDE. BOUILLON 2005

Principles of Petroleum Reservoir Engineering Gian L. Chierici 2013-03-09 Six years ago, at the end of my professional career in the oil industry, I left my management position

within Agip S.p.A., a major multinational oil company whose headquarters are in Italy, to take up the chair in reservoir engineering at the University of Bologna, Italy. There, I decided to prepare what was initially intended to be a set of lecture notes for the students attending the course. However, while preparing these notes, I became so absorbed in the subject matter that I soon found myself creating a substantial volume of text which could not only serve as a university course material, but also as a reference for wider professional applications. Thanks to the interest shown by the then president of Agip, Ing. Giuseppe Muscarella, this did indeed culminate in the publication of the first Italian edition of this book in 1989. The translation into English and publication of these volumes owes much to the encouragement of the current president of Agip, Ing. Guglielmo Moscato. My grateful thanks are due to both gentlemen. And now - the English version, translated from the second Italian edition, and containing a number of revisions and

much additional material. As well as providing a solid theoretical basis for the various topics, this work draws extensively on my 36 years of worldwide experience in the development and exploitation of oil and gas fields.

Circuit Design for RF Transceivers Domine Leenaerts 2007-05-08 Applicable for bookstore catalogue

Service Design for Six Sigma Basem El-Haik 2005-08-19 A roadmap to consistent, high-quality service for any organization A service is typically something created to serve a paying customer, whether internal or external. Some services consist of several processes linked together while others consist of a single process. This book introduces Design for Six Sigma (DFSS), a easy-to-master, yet highly effective data-driven method that prevents defects in any type of service process. The particular focus of this publication is service DFSS, which leads to what the authors term "a whole quality business," one that takes a proactive stance and gets things

right the first time. Not only does the whole quality business produce a high-quality product and offer high-quality services, but it also operates at lower cost and higher efficiency, throughout the entire life cycle, than its competitors because all the links in the supply chain are optimized. Following a detailed overview that sets forth the basic premise and key concepts of service DFSS, the authors offer all the information and tools needed to take advantage of service DFSS within their own organizations, including: * Clear and in-depth coverage of the philosophical, organizational, and technical aspects of service DFSS * Step-by-step roadmap of the entire service DFSS deployment and execution process * Full discussions of all the key methods involved in service DFSS, including axiomatic design, design for X, the theory of inventive problem solving (TRIZ), transfer function, design scorecards, and Taguchi's method * Practical, illustrative examples that demonstrate how the theory is put into practice *

Assistance in developing the necessary skills in applying DFSS in organizational settings. Problems and their solutions are provided at the end of each chapter to help readers grasp the key concepts they need to move forward in the text.

Acclaro DFSS Light(r), a Java-based software package that implements axiomatic design processes discussed in Chapter Eight, is available for download from an accompanying Wiley ftp site. Acclaro DFSS Light(r) is a software product of Axiomatic Design Solutions, Inc. This book is ideal as a reference to service DFSS for corporate executives, quality control managers, and process engineers, or as a complete training manual for DFSS teams. It is also a superior textbook for graduate students in management, operations, and quality assurance.

Microelectronics Failure Analysis Desk

Reference, Seventh Edition Tejinder Gandhi
2019-11-01 The Electronic Device Failure Analysis Society proudly announces the Seventh Edition of the Microelectronics Failure Analysis

Desk Reference, published by ASM International. The new edition will help engineers improve their ability to verify, isolate, uncover, and identify the root cause of failures. Prepared by a team of experts, this updated reference offers the latest information on advanced failure analysis tools and techniques, illustrated with numerous real-life examples. This book is geared to practicing engineers and for studies in the major area of power plant engineering. For non-metallurgists, a chapter has been devoted to the basics of material science, metallurgy of steels, heat treatment, and structure-property correlation. A chapter on materials for boiler tubes covers composition and application of different grades of steels and high temperature alloys currently in use as boiler tubes and future materials to be used in supercritical, ultra-supercritical and advanced ultra-supercritical thermal power plants. A comprehensive discussion on different mechanisms of boiler tube failure is the heart of the book. Additional chapters detailing the role of

advanced material characterization techniques in failure investigation and the role of water chemistry in tube failures are key contributions to the book.

Accelerating Decarbonization of the U.S. Energy System National Academies of Sciences, Engineering, and Medicine 2021-12-02 The world is transforming its energy system from one dominated by fossil fuel combustion to one with net-zero emissions of carbon dioxide (CO₂), the primary anthropogenic greenhouse gas. This energy transition is critical to mitigating climate change, protecting human health, and revitalizing the U.S. economy. To help policymakers, businesses, communities, and the public better understand what a net-zero transition would mean for the United States, the National Academies of Sciences, Engineering and Medicine convened a committee of experts to investigate how the U.S. could best decarbonize its transportation, electricity, buildings, and industrial sectors. This report, *Accelerating*

Decarbonization of the United States Energy System, identifies key technological and socio-economic goals that must be achieved to put the United States on the path to reach net-zero carbon emissions by 2050. The report presents a policy blueprint outlining critical near-term actions for the first decade (2021-2030) of this 30-year effort, including ways to support communities that will be most impacted by the transition.

Operating Summary United States. General Services Administration 1983

Principles of Vibration and Sound Thomas D. Rossing 2013-03-14 An ideal text for advanced undergraduates, the book provides the foundations needed to understand the acoustics of rooms and musical instruments as well as the basics for scientists and engineers interested in noise and vibration. The new edition contains four new chapters devoted primarily to applications of acoustical principles in everyday life: Microphones and Other Transducers, Sound

in Concert Halls and Studios, Sound and Noise Outdoors; and Underwater Sound.

Non-Rocket Space Launch and Flight

Alexander Bolonkin 2010-07-07 In recent years scientists have investigated a series of new methods for non-rocket space launch, which promise to revolutionize space launches and flight. Particularly in the current political climate new, cheaper, and more 'fuel efficient' methods are being investigated. Such new methods include the gas tube method, cable accelerators, tether launch systems, space elevators, solar and magnetic sails, circle launcher space keepers and more. The author of Non-Rocket Space Launch and Flight brings a vast amount of experience to the topic, having worked as a engineer, designer, project director and researcher at key institutes including NASA and the US Air Force. Explores all the new non-rocket space launch methods, and compares them with each other and traditional rockets Investigates the unifying principles of the different systems and shows how to select the

best design suited to the mission Author brings together technical and theoretical expertise from both industry and academia

Hybrid Electric Vehicles Chris Mi 2017-11-29

The latest developments in the field of hybrid electric vehicles Hybrid Electric Vehicles provides an introduction to hybrid vehicles, which include purely electric, hybrid electric, hybrid hydraulic, fuel cell vehicles, plug-in hybrid electric, and off-road hybrid vehicular systems. It focuses on the power and propulsion systems for these vehicles, including issues related to power and energy management. Other topics covered include hybrid vs. pure electric, HEV system architecture (including plug-in & charging control and hydraulic), off-road and other industrial utility vehicles, safety and EMC, storage technologies, vehicular power and energy management, diagnostics and prognostics, and electromechanical vibration issues. Hybrid Electric Vehicles, Second Edition is a comprehensively updated new edition with four

new chapters covering recent advances in hybrid vehicle technology. New areas covered include battery modelling, charger design, and wireless charging. Substantial details have also been included on the architecture of hybrid excavators in the chapter related to special hybrid vehicles. Also included is a chapter providing an overview of hybrid vehicle technology, which offers a perspective on the current debate on sustainability and the environmental impact of hybrid and electric vehicle technology. Completely updated with new chapters Covers recent developments, breakthroughs, and technologies, including new drive topologies Explains HEV fundamentals and applications Offers a holistic perspective on vehicle electrification Hybrid Electric Vehicles: Principles and Applications with Practical Perspectives, Second Edition is a great resource for researchers and practitioners in the automotive industry, as well as for graduate students in automotive engineering.

Why Do We Kill? Kelvin Sewell 2011-06-01
Former Baltimore City homicide detective Kelvin Sewell has seen it all. Gang members burned alive; a baby unceremoniously stuffed into the ground by its own mother; a sex offender who killed a child in a delusional jealous rage. The constant grind of bearing witness to violent death has given Sewell an unprecedented perspective into the minds of killers. He sat in the Baltimore Police Department's interview room with 14-year-old Devon Richardson as the teen tried to explain why he shot a woman he didn't know in the back of the head. He watched the father of 17-year-old Nicole Edmonds cry over the corpse of his dead daughter, murdered for a cellphone. But now for the first time Sewell has decided to share the insights and the pain, the dehumanizing effects of crime and waves of psychic despair and social dysfunction in his groundbreaking book, *Why Do We Kill?* "I think people deserve to know the truth," said Sewell, a 20-year veteran of Baltimore City's police department. "They need

to get a sense of why people kill in Baltimore. "I want people to see what we see as detectives," he explained. "I think there are misconceptions about crime in Baltimore, and I hope this book will clear them up." The book recounts some of the most notorious homicide cases in Baltimore in the past decade, all told from the perspective of the cop who worked them. Joining forces with Sewell is award-winning investigative reporter Stephen Janis, who covered City Hall for the now-defunct Baltimore Examiner and is founder of the award-winning news website Investigative Voice. "What makes this book different is the collaborative voice," said Janis. "Kelvin would discuss his thoughts on the cases and I then tried to tell the story by adding the context that comes naturally with being a reporter." Janis's colleague at Investigative Voice, reporter and political scientist Alan Z. Forman, served as editor for the project. Janis is no stranger to the Baltimore crime scene, winning a string of prestigious awards for his crime reporting, including two consecutive

Maryland-Delaware-DC Press Association awards in Category A for his series on the murders of sex workers and his investigation into the high number of unsolved killings in Baltimore.

Targeted Drug Delivery : Concepts and Design Padma V. Devarajan 2014-12-08 This authoritative volume explores the fundamental concepts and numerous applications of targeted delivery of drugs to the body. This compilation has been divided into eight sections comprised of the basic principles of drug targeting, disease and organ/organelle-based targeting, passive and active targeting strategies, and various advanced drug delivery tools such as functionalized lipidic, polymeric and inorganic nanocarriers. Together, the twenty-three chapters cover a wide range of topics in the field, including tumor and hepatic targeting, polymer-drug conjugates, nanoemulsion, physical and biophysical characteristics of nanoparticles, and in vivo imaging techniques, among others. The book also examines advanced characterization

techniques, regulatory hurdles and toxicity-related issues that are key features for successful commercialization of targeted drug delivery system products. Targeted Drug Delivery is a comprehensive reference guide for drug delivery researchers, both beginners and those already working in the field.

Relationship Selling Jim Cathcart 1990 Every salesperson's road map to superstar success!

Decentralised Sanitation and Reuse Piet Lens 2001-03-01 Adopting a multi-disciplinary approach, Decentralised Sanitation and Reuse places public sanitation in a global context and provides a definitive discussion of current state-of-the-art sanitation technologies. It shows how these technologies can be implemented to integrate domestic waste and wastewater treatment in order to maximize resource recycling in domestic practice. Decentralised Sanitation and Reuse presents technical solutions for on-site collection and transport of concentrated waste streams, and focuses on the

compromise between reliability and minimal water wastage. A whole range of available sustainable technologies, both low and high-tech, to treat concentrated (black water) and diluted (grey water) streams are addressed in detail from the fundamental scientific and engineering points of view. Sociological, economic and, particularly, environmental and public health aspects are essential issues within this book. The necessity of new infrastructure implementation and the resulting challenges for a good number of economic branches are illustrated with examples from architecture and town planning. Decentralised Sanitation and Reuse will be an invaluable resource for a wide academic and professional readership active in the fields of environmental protection and public sanitation. Contents The DESAR concept for environmental protection Waste and wastewater characteristics and its collection on the site Technological aspects of DESAR Environmental and public health aspects of DESAR Sociological and

economic aspects of DESAR Architectural and urbanistic aspects of DESAR
Nurturing Science-based Ventures Ralf W. Seifert
2008-01-25 This book includes over 30 real-life, up-to-date, award-winning case studies in scientific fields such as biotechnology, biomedicine, high-tech engineering and information technology. The case studies are arranged in modules that track the typical life cycle of creating and growing a new venture, which presents a comprehensive picture of entrepreneurial activities. The text is written in a language and style that managers will appreciate.

Logistics 4.0 and Future of Supply Chains
İsmail İyigün

Fluid Power Engineering M Rabie 2009-04-09
Develop high-performance hydraulic and pneumatic power systems Design, operate, and maintain fluid and pneumatic power equipment using the expert information contained in this authoritative volume. Fluid Power Engineering

presents a comprehensive approach to hydraulic systems engineering with a solid grounding in hydrodynamic theory. The book explains how to create accurate mathematical models, select and assemble components, and integrate powerful servo valves and actuators. You will also learn how to build low-loss transmission lines, analyze system performance, and optimize efficiency. Work with hydraulic fluids, pumps, gauges, and cylinders Design transmission lines using the lumped parameter model Minimize power losses due to friction, leakage, and line resistance Construct and operate accumulators, pressure switches, and filters Develop mathematical models of electrohydraulic servosystems Convert hydraulic power into mechanical energy using actuators Precisely control load displacement using HSAs and control valves Apply fluid systems techniques to pneumatic power systems
RFID V. Daniel Hunt 2007-04-13 This book provides an introduction to RFID technology. It describes and addresses the following: How RFID

works, how it is and can be used in current and future applications. The History of RFID technology, the current state of practice and where RFID is expected to be taken in the future. The role of middleware software to route data between the RFID network and the information technology systems within an organization. Commercial and government use of RFID technology with an emphasis on a wide range of applications including retail and consumer packaging, transportation and distribution of products, industrial and manufacturing operations, security and access control. Industry standards and the regulatory compliance environment and finally, the privacy issues faced by the public and industry regarding the deployment of RFID technology.

The Medici Marcel Brion 1969

Principles of Turbomachinery Seppo A. Korpela 2019-07-11 A newly updated and expanded edition that combines theory and applications of turbomachinery while covering

several different types of turbomachinery In mechanical engineering, turbomachinery describes machines that transfer energy between a rotor and a fluid, including turbines, compressors, and pumps. Aiming for a unified treatment of the subject matter, with consistent notation and concepts, this new edition of a highly popular book provides all new information on turbomachinery, and includes 50% more exercises than the previous edition. It allows readers to easily move from a study of the most successful textbooks on thermodynamics and fluid dynamics to the subject of turbomachinery. The book also builds concepts systematically as progress is made through each chapter so that the user can progress at their own pace. Principles of Turbomachinery, 2nd Edition provides comprehensive coverage of everything readers need to know, including chapters on: thermodynamics, compressible flow, and principles of turbomachinery analysis. The book also looks at steam turbines, axial turbines, axial

compressors, centrifugal compressors and pumps, radial inflow turbines, hydraulic turbines, hydraulic transmission of power, and wind turbines. New chapters on droplet laden flows of steam and oblique shocks help make this an incredibly current and well-rounded resource for students and practicing engineers. Includes 50% more exercises than the previous edition Uses MATLAB or GNU/OCTAVE for all the examples and exercises for which computer calculations are needed, including those for steam Allows for a smooth transition from the study of thermodynamics, fluid dynamics, and heat transfer to the subject of turbomachinery for students and professionals Organizes content so that more difficult material is left to the later sections of each chapter, allowing instructors to customize and tailor their courses for their students Principles of Turbomachinery is an excellent book for students and professionals in mechanical, chemical, and aeronautical engineering.

Petroleum Production Engineering Boyun Guo, 2017-02-10 Petroleum Production Engineering, Second Edition, updates both the new and veteran engineer on how to employ day-to-day production fundamentals to solve real-world challenges with modern technology. Enhanced to include equations and references with today's more complex systems, such as working with horizontal wells, workovers, and an entire new section of chapters dedicated to flow assurance, this go-to reference remains the most all-inclusive source for answering all upstream and midstream production issues. Completely updated with five sections covering the entire production spectrum, including well productivity, equipment and facilities, well stimulation and workover, artificial lift methods, and flow assurance, this updated edition continues to deliver the most practical applied production techniques, answers, and methods for today's production engineer and manager. In addition, updated Excel spreadsheets that cover the most

critical production equations from the book are included for download. Updated to cover today's critical production challenges, such as flow assurance, horizontal and multi-lateral wells, and workovers Guides users from theory to practical application with the help of over 50 online Excel spreadsheets that contain basic production equations, such as gas lift potential, multilateral gas well deliverability, and production forecasting Delivers an all-inclusive product with real-world answers for training or quick look up solutions for the entire petroleum production spectrum *Jaguar XJS* Paul Skilleter 2005-03-04 A renowned Jaguar expert offers a comprehensive historical review of the highly collectable XJS series of coupes, cabriolets and convertibles with particular emphasis on quality evaluation, maintenance and upgrades. Jaguar XJS takes the reader through the 20-year history of a model series which, after a lukewarm reception in 1975 by Jaguar enthusiasts who expected a replacement for the famed E-Type, matured

through many evolutions into some of the most stylish cars ever to wear the Jaguar badge, earning along the way an enviable reputation on the international motor racing scene.

Advances in Solid State Fermentation S. Roussos 2013-06-29 G.HAINNAUX Departement Milieu et Activites Agricoles, Centre ORSTOM, 911 Avenue d' Agropolis, B.P. 5045, 34032 Montpellier Cedex , France. Solid state fermentation, popularly abbreviated as SSF, is currently investigated by many groups throughout the world. The study of this technique was largely neglected in the past in European and Western countries and there is now a high demand for SSF, meaning in food, environment, agricultural, phannaceutical and many other biotechnological applications. It gives me satisfaction to note that the importance of this technique was realised at my department way back in 1975 since then, our team has put concentrated efforts on developing this technique. xvii Foreword Advances in Solid State Fermentation Foreword M. PUYGRENIER Agropolis

Valorisation, Avenue d' Agropolis, 34394 Montpellier Cedex 5, France. On the name of the Scientific Community, I would like to express the wish that this International Symposium on SSF should be successful. Solid State Fermentation is part of biotechnology research. It consists on seeding solid culture medium with bacteria or fungi (filamentous or higher) and on producing, in this medium (solid components and exudates) metabolites and high value products. In fact, this process is very old. In older industries such the food and agricultural, this technique has been extensively used. An example of this is the production of pork sausages and Roquefort cheese. Pharmaceutical industry could make extensive use of SSF in the production of secondary metabolites of many kinds and development in this direction is soon expected. *Low-Speed Wind Tunnel Testing* Jewel B. Barlow 1999-02-22 A brand-new edition of the classic guide on low-speed wind tunnel testing While great advances in theoretical and computational

methods have been made in recent years, low-speed wind tunnel testing remains essential for obtaining the full range of data needed to guide detailed design decisions for many practical engineering problems. This long-awaited Third Edition of William H. Rae, Jr.'s landmark reference brings together essential information on all aspects of low-speed wind tunnel design, analysis, testing, and instrumentation in one easy-to-use resource. Written by authors who are among the most respected wind tunnel engineers in the world, this edition has been updated to address current topics and applications, and includes coverage of digital electronics, new instrumentation, video and photographic methods, pressure-sensitive paint, and liquid crystal-based measurement methods. The book is organized for quick access to topics of interest, and examines basic test techniques and objectives of modeling and testing aircraft designs in low-speed wind tunnels, as well as applications to fluid motion analysis,

automobiles, marine vessels, buildings, bridges, and other structures subject to wind loading. Supplemented with real-world examples throughout, *Low-Speed Wind Tunnel Testing, Third Edition* is an indispensable resource for aerospace engineering students and professionals, engineers and researchers in the automotive industries, wind tunnel designers, architects, and others who need to get the most from low-speed wind tunnel technology and experiments in their work.

Beyond the Hoax Alan Sokal 2010-02-11 In 1996, Alan Sokal, a Professor of Physics at New York University, wrote a paper for the cultural-studies journal *Social Text*, entitled 'Transgressing the Boundaries: Towards a transformative hermeneutics of quantum gravity'. It was reviewed, accepted and published. Sokal immediately confessed that the whole article was a hoax - a cunningly worded paper designed to expose and parody the style of extreme postmodernist criticism of science. The

story became front-page news around the world and triggered fierce and wide-ranging controversy. Sokal is one of the most powerful voices in the continuing debate about the status of evidence-based knowledge. In *Beyond the Hoax* he turns his attention to a new set of targets - pseudo-science, religion, and misinformation in public life. 'Whether my targets are the postmodernists of the left, the fundamentalists of the right, or the muddle-headed of all political and apolitical stripes, the bottom line is that clear thinking, combined with a respect for evidence, are of the utmost importance to the survival of the human race in the twenty-first century.' The book also includes a hugely illuminating annotated text of the Hoax itself, and a reflection on the furore it provoked.

The Dialectical Biologist Richard Levins 1987-03-15 Scientists act within a social context and from a philosophical perspective that is inherently political. Whether they realize it or not, scientists always choose sides. The Dialectical

Biologist explores this political nature of scientific inquiry, advancing its argument within the framework of Marxist dialectic. These essays stress the concepts of continual change and codetermination between organism and

environment, part and whole, structure and process, science and politics. Throughout, this book questions our accepted definitions and biases, showing the self-reflective nature of scientific activity within society.