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[Counterterrorism and Open Source Intelligence](#) - Uffe Wiil
2011-06-27

Since the 9/11 terrorist attacks in the United States, serious concerns were raised on domestic and international security issues. Consequently, there has been considerable interest recently in technological strategies and resources to counter acts of terrorism. In this context, this book provides a state-of-the-art survey of the most recent advances in the field of counterterrorism and open source intelligence, demonstrating how various existing as well as novel tools and techniques can be applied in combating covert terrorist networks. A particular focus will be on future challenges of open source intelligence and perspectives on how to effectively operate in order to prevent terrorist activities.

Encyclopedia of Modern U.S. Military Weapons - Timothy M. Laur 1998-07

An accessible encyclopedia of military weapons represents a collaboration with The Army, Navy, and Air Force Times, and covers each weapon system, its evolution, development, and combat experience.

Building the Tatmadaw - Maung Aung Myoe 2009-01-22

Ever since Myanmar regained her independence in January 1948, the Tatmadaw (Myanmar Armed Forces) has been crucial in restoring and maintaining law and order. It is one of the most important institutions in Myanmar politics. Various aspects of the Tatmadaw have been studied. The most notable area of study has been the political role of the military. This study looks at the organizational development of the Myanmar armed forces. It analyses four different aspects of the Tatmadaw: military doctrine and strategy, organization and force structure, armament and force modernization, and military training and officer education. It sets out security perceptions and policies, charting developments in each phase against the situation at the time, and also notes the contributions of the leading actors in the process. Since early 1990s, the Tatmadaw has implemented a force modernization programme. This work studies rationales and strategy behind the force modernization programme and examines the military capabilities of the Tatmadaw. Drawing extensively from archival sources and existing literature, this empirically grounded research argues that, while the internal armed security threat to the state continues to play an important role, it is the external security threat that gives more weight to the expansion and modernization of the Tatmadaw since 1988. It also argues that, despite its imperfections, the Tatmadaw has transformed from a force essentially for counter-insurgency operations into a force capable of fighting in limited conventional warfare.

Gulf War and Health - Institute of Medicine 2014-04-14

Since the United States began combat operations in Afghanistan in October 2001 and then in Iraq in March 2003, the numbers of US soldiers killed exceed 6,700 and of US soldiers wounded 50,500. Although all wars since World War I have involved the use of explosives by the enemy, the wars in Afghanistan and Iraq differ from previous wars in which the United States has been involved because of the enemy's use of improvised explosive devices (IEDs). The use of IEDs has led to an injury landscape different from that in prior US wars. The signature injury of the Afghanistan and Iraq wars is blast injury. Numerous US soldiers have returned home with devastating blast injuries and they continue to experience many challenges in readjusting to civilian life. *Gulf War and Health*, Volume 9 is an assessment of the relevant scientific information and draws conclusions regarding the strength of the evidence of an association between exposure

to blast and health effects. The report also includes recommendations for research most likely to provide VA with knowledge that can be used to inform decisions on how to prevent blast injuries, how to diagnose them effectively, and how to manage, treat, and rehabilitate victims of battlefield traumas in the immediate aftermath of a blast and in the long term.

WDM Systems and Networks - Neophytos (Neo) Antoniadis
2011-12-08

Modeling, Simulation, Design and Engineering of WDM Systems and Networks provides readers with the basic skills, concepts, and design techniques used to begin design and engineering of optical communication systems and networks at various layers. The latest semi-analytical system simulation techniques are applied to optical WDM systems and networks, and a review of the various current areas of optical communications is presented. Simulation is mixed with experimental verification and engineering to present the industry as well as state-of-the-art research. This contributed volume is divided into three parts, accommodating different readers interested in various types of networks and applications. The first part of the book presents modeling approaches and simulation tools mainly for the physical layer including transmission effects, devices, subsystems, and systems), whereas the second part features more engineering/design issues for various types of optical systems including ULH, access, and in-building systems. The third part of the book covers networking issues related to the design of provisioning and survivability algorithms for impairment-aware and multi-domain networks. Intended for professional scientists, company engineers, and university researchers, the text demonstrates the effectiveness of computer-aided design when it comes to network engineering and prototyping.

Miscellaneous Invertebrates - Andreas Schmidt-Rhaesa
2018-12-03

This volume of the *Handbook of Zoology* summarizes "small" groups of animals across the animal kingdom. Dicyemida and Orthonectida are enigmatic parasites, formerly united as "Mesozoa" and their position among the multicellular animals is still not known with certainty. Placozoa are small, flat marine animals which provide important information on metazoan evolution. Comb jellies (Ctenophora) are esthetically fascinating animals which cause considerable discussion about their phylogenetic position. Seisonida are closely related to rotifers and acanthocephalans. Cycliophora were discovered and described as one of the last higher taxa and surprise by their complex life cycle. Kamptozoa (= Entoprocta) are small sessile animals in the sea and sometimes also in freshwater. Arrow worms (Chaetognatha) play an important role as predators in the plankton, but they also include benthic forms. Pterobranchia and acorn worms (Enteropneusta) belong to the deuterostomia and are related to echinoderms. In particular enteropneusts play an important role in understanding deuterostome evolution. These chapters provide up to date reviews of these exiting groups with reference to the important literature and therefore serves as an important source of information.

Rebuilding the State Institutions - Juan Antonio Le Clercq
2019-11-29

Contemporary Mexico faces a complex crisis of violence and insecurity with high levels of impunity and the lack of an effective rule of law. These weaknesses in the rule of law are multidimensional and involve elements of institutional design, the specific content of the laws, particularities of political competition and a culture of legality in a country with severe social inequalities. This book discusses necessary institutional and legal

reforms to develop the rule of law in a context of democratic, social and economic transformations. The chapters are organized to address: 1) The concept of the 'rule of law' and its measurement; 2) The fragility of the 'rule of law' in Mexico; 3) Structural reforms and implementation challenges; 4) Social exclusion and the culture of legality. The book addresses decision-makers, civil servants, consultants, scholars, lecturers, and students focusing on public policy, rule of law, sociology of law, legislative studies and practice, impunity, and areas of political philosophy. • The book presents an interdisciplinary and integrated approach for understanding the rule of law in Mexico, taking into account national particularities, the regional context and global comparisons. • Chapters discuss recent institutional reforms in Mexico from a critical point of view and explore possible next steps to achieve effective implementation. • This book addresses the links between a weak rule of law and social phenomena like insecurity, violence, corruption and democratic deficits.

Bioprocess Technology - Anton Moser 2012-12-06

This book is based on a 1981 German language edition published by Springer Verlag, Vienna, under the title Bioprozesstechnik. Philip Manor has done the translation, for which I am deeply grateful. This book differs from the German edition in many ways besides language. It is substantially enlarged and updated, and examples of computer simulations have been added together with other appendices to make the work both more comprehensive and more practical. This book is the result of over 15 years of experience in teaching and research. It stems from lectures that I began in 1970 at the Technical University of Graz, Austria, and continued at the University of Western Ontario in London, Canada, 1980; at the Free University of Brussels, 1981; at Chalmers Technical University in G6teborg, Sweden; at the Academy of Sciences in Jena, East Germany; at the "Haus der Technik" in Essen, West Germany, 1982; at the Academy of Science in Sofia, Bulgaria; and at the Technical University of Delft, Netherlands, 1986. The main goals of this book are, first, to bridge the gap that always exists between basic principles and applied engineering practice, second, to enhance the integration between biological and physical phenomena, and, third, to contribute to the internal development of the field of biotechnology by describing the process-oriented field of bioprocess technology.

Ashcraft's Pediatric Surgery E-Book - George W. Holcomb 2014-01-31

Acclaimed for its unsurpassed readability and manageable scope, Ashcraft's Pediatric Surgery presents authoritative, practical guidance on treating the entire range of general surgical and urological problems in infants, children, and adolescents. State-of-the-art, expert coverage equips you to implement all the latest approaches and achieve optimal outcomes for all of your patients. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Make the most effective use of today's best open and minimally invasive techniques, including single-site umbilical laparoscopic surgery, with guidance from internationally recognized experts in the field. Focus on evidence-based treatments and outcomes to apply today's best practices. Stay current with timely topics thanks to brand-new chapters on Choledochal Cyst and Gallbladder Disease, Tissue Engineering, and Ethics in Pediatric Surgery, plus comprehensive updates throughout. Hone and expand your surgical skills by watching videos of minimally invasive procedures for recto urethral fistula, biliary atresia, laparoscopic splenectomy, uterine horn, and more. Grasp the visual nuances of surgery from over 1,000 images depicting today's best surgical practices.

Dietary Intake and Type 2 Diabetes - Omorogieva Ojo 2019-12-05

The prevalence of diabetes is on the increase in the UK and worldwide, partly due to changes in lifestyle which predispose individuals to overweight and obesity. It is estimated that about 90% of the currently diagnosed adults have type 2 diabetes, and based on the World Health Organisation (WHO) report, about 422 million adults were living with diabetes in 2014 compared with 108 million in 1980; this condition caused about 1.5 million deaths in 2012. In the United States of America, it is estimated

that about 30.3 million adults are living with diabetes, with a further 1.5 million new diabetes cases diagnosed every year, representing an increasing prevalence of this condition. Diabetes represents a major public health challenge, despite advances in technology and the pharmaceutical industry. These problems may be in the form of acute or long-term complications. Therefore, in order to attenuate the problems of diabetes, management strategies usually include lifestyle changes such as increased physical activity and dietary interventions. Studies which evaluate the role of nutrition in the management of type 2 diabetes often involve human and animal models as these approaches enable us to have a broader and more in-depth understanding of the condition. In some cases, diabetes may co-exist with other conditions, such as stroke, and these may present unique challenges with regard to nutritional interventions. This Special Issue aims to evaluate the risk factors associated with type 2 diabetes and the role of the diet in the management of people with this condition. This evidence is drawn from both human and animal studies.

Watch Me Play - T.L. Taylor 2018-10-16

A look at the revolution in game live streaming and esports broadcasting Every day thousands of people broadcast their gaming live to audiences over the internet using popular sites such as Twitch, which reaches more than one hundred million viewers a month. In these new platforms for interactive entertainment, big esports events featuring digital game competitors live stream globally, and audiences can interact with broadcasters—and each other—through chat in real time. What are the ramifications of this exploding online industry? Taking readers inside home studios and backstage at large esports events, Watch Me Play investigates the rise of game live streaming and how it is poised to alter how we understand media and audiences. Through extensive interviews and immersion in this gaming scene, T. L. Taylor delves into the inner workings of the live streaming platform Twitch. From branding to business practices, she shows the pleasures and work involved in this broadcasting activity, as well as the management and governance of game live streaming and its hosting communities. At a time when gaming is being reinvented through social media, the potential of an ever-growing audience is transforming user-generated content and alternative distribution methods. These changes will challenge the meaning of ownership and intellectual property and open the way to new forms of creativity. The first book to explore the online phenomenon Twitch and live streaming games, Watch Me Play offers a vibrant look at the melding of private play and public entertainment.

Legislative History of the Civil Service Reform Act of 1978 - 1979

Advanced Nutrition and Dietetics in Obesity - Catherine Hankey 2018-02-05

This addition to the British Dietetic Association Advanced Nutrition and Dietetics book series is written for clinicians and researchers who work with any aspect of obesity and its comorbid conditions. Featuring contributions from leading researchers and practitioners from around the globe Advanced Nutrition and Dietetics in Obesity offers a uniquely international perspective on what has become a worldwide public health crisis. Chapters cover a full range of new ideas and research on the underlying drivers of obesity in populations including discussions on the genetic and clinical aspects of obesity, along with expert recommendations on how to effectively manage and prevent this chronic and persistent disease. Providing a comprehensive overview of the key literature in this field, Advanced Nutrition and Dietetics in Obesity is an invaluable resource for all those whose work should or does embrace any aspect of obesity.

The Wizard, the Witch & Two Girls from Jersey - Lisa Papademetriou 2006

Two mismatched teenage girls must find their way back home to New Jersey after being zapped into the pages of a fantasy novel.

Methods of Protein Microcharacterization - John E. Shively 2008-02-22

Milestones in the techniques and methodology of polypeptide structure determination include the determination of the sequence of insulin by Sanger in 1951 (I) and the introduction of

the repetitive degradation of proteins with phenylisothiocyanate by Edman in 1959 (2). The automation of Edman chemistry (3) played a major role in the determination of polypeptide structures. Important modifications of Edman chemistry include the solid-phase approach by Laursen in 1971 (4) and the use of modified Edman reagents such as 4-N, N-dimethylaminoazobenzene-4'-isothiocyanate (DABITC) for manual sequencing by Chang et al. (5) in 1976. A second major breakthrough in the analysis of polypeptides was automated amino acid analysis described by Spackman et al. in 1958 (6). However, during the period from 1975 to 1980, it became increasingly clear that the amount of material required for structural analysis was more than could be easily isolated for the vast majority of proteins. The field was criticized for its lack of sensitive techniques for the analysis of growth factors, immune modulators, membrane receptors, and peptide hormones. In addition, very little had been done to modernize and improve the original instruments introduced in the mid-1960s. The first indications of improved instrumentation for Edman chemistry came from Wittmann-Liebold's laboratory (7), followed by the introduction of a "micro" sequencer by Hunkapiller and Hood in 1978 (8). The movement toward improved instrumentation culminated in the "gas"-Phase sequencer of Hewick et al. (9) in 1981

A Hebrew and English lexicon of the Old Testament - Francis Brown 1907

How To Restore Your Volkswagen Beetle - Eric LeClair 2019-04-15

Perhaps the most charismatic automobile ever, the Volkswagen Beetle was the longest-running, most-manufactured automobile on a single platform of all time. From 1938 to 2003, more than 21.5 million "Bugs" were assembled, distributed, and sold on nearly every continent in the world. Throughout the Beetle's successful run, many of these cars have been relegated to project car status due to their age or condition. Airkooled Kustoms, a VW restoration shop in Hazel Green, Alabama, brings its expertise in restoring these cars to book form with this all-encompassing compilation. Restoring your Beetle is covered through step-by-step sequences from unbolting that first nut through polishing the paint on your freshly restored Bug. The specialists at Airkooled Kustoms walk you through the proper disassembly methods, restoring versus replacing components, and reassembling your restored Bug, covering everything related to the body, undercarriage, and interior along the way. It's about time a thorough, hands-on restoration book has been authored by authorities who know the Beetle like the back of their hands. With this book, you will have everything you need to bring your old or new VW Beetle project back to life. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Arial; color: #000000}

Biopharmaceutical Drug Design and Development - Susanna Wu-Pong 2010-01-11

This book provides a comprehensive examination of the newest biopharmaceutical drugs. Among the drugs discussed are ones in the categories of monoclonal antibodies for in-vivo use, cytokines, growth factors, enzymes, immunomodulators, thrombolytics, and immunotherapies including vaccines. Additionally, the volume examines new and emerging technologies, and contains a review of the Human Genome Project.

The Secret Lover - Julia London 2008-08-26

Julia London captivated readers and critics alike with her acclaimed Rogues of Regent Street trilogy. Now the nationally bestselling author Romantic Times calls "a rising star" returns with the passionate story of a man and a woman pursued by secrets, shadowed by scandal, and surprised by love... Eight years after fleeing England in the wake of a terrible scandal, Sophie Dane is no longer the trusting debutante betrayed by love. Now as companion to a worldly French widow, she returns to London where her arrival instantly sets tongues wagging...and attracts the roving eye of aristocratic Trevor Hamilton. But it is his mysterious brother, Caleb, in whom Sophie senses a kindred soul—and who captivates her as no other man has before. Reared on the continent, Caleb has come home to his ailing father—only to be shunned by society as a fortune-hunting imposter. Sophie, alone, seems to believe in him. But an unexpected series of events

sets them both in flight once more. As scandal pursues them to a remote ancestral estate, a man and a woman haunted by the past will defy every convention on earth for a future in each other's arms...

Architects' Data - Ernst Neufert 1991-01-15

This is an essential aid in the initial design and planning of a project. The relevant building type is located by a comprehensive index and cross reference system, a condensed commentary covers user requirements, planning criteria, basic dimensions and other considerations of function, siting aspect etc. A system of references based on an extensive bibliography supports the text. In every section plans, sections, site layouts, design details and graphs illustrated key aspects of a building type's design. Most illustrations are dimensioned or scaled - the metric system of measurement is used throughout, and the equivalent in feet/inches can easily be read either off a graphic scale on the page or from the built-in conversion table. The illustrations are international in origin and include both well know and less famous designers. Architects Data is primarily a handbook of building types rather than of construction techniques and details. However its treatment of components (such as doors and windows) and of spaces for building services is extremely thorough, since consideration of this data is an essential element of the planning process. The opening pages of basic data on man and his buildings cover critical subjects such as scale, drawing practice, noise, light and space for the same reason. Particular attention has also been paid to the implications of energy conservation, means of escape from fire and the needs of the elderly and the disabled.

Surgical Decision Making E-Book - Robert C. McIntyre 2019-01-08

Using a proven, practical, algorithmic approach, Surgical Decision Making summarizes evidence-based guidelines and practice protocols in an easy-to-follow format. Designed to sharpen the decision-making skills of both trainees and practicing surgeons, the 6th Edition directs your focus to the critical decision points in a wide range of clinical scenarios, helping you determine optimal evaluation and management to secure the best possible patient outcomes. Algorithms are accompanied by annotations that explain all critical factors affecting decisions in a concise, readable manner. Reflects the scope of practice of today's general surgeon, with fresh, expert perspectives from new editor Dr. Richard Schulick and numerous new contributors. Contains 58 new chapters and thoroughly revised content throughout. Includes new coverage of Preoperative Evaluation of the Geriatric Patient, Pancreatic Cystic Neoplasm, Familial Breast Cancer, Resuscitative Endovascular Balloon Occlusion of the Aorta, Blunt Cerebrovascular Injury, and much more. Uses an easy-to-follow, consistent format, with an algorithm on one page and short descriptions explaining the various steps in the decision-making process on the opposite page. Includes explanatory notes that summarize presenting signs and symptoms, laboratory investigation, diagnostic modalities, surgical therapies, and adjuvant therapies for each condition. Encompasses both general surgery and surgical subspecialties—helping you directly manage a broad range of problems. Emphasizes information that frequently appears on board exams.

Practical Engine Airflow - John Baechtel 2015-12-15

The efficient flow of air through an engine is instrumental for producing maximum power. To maximize performance, engine builders seek to understand how air flows through components and ultimately through the entire engine. Engine builders use this knowledge and apply specific practices and principles to unlock horsepower within an engine; this applies to all engine types, including V-8s, V-6s, and imported 4-cylinder engines. Former Hot Rod magazine editor and founder of Westech Performance Group John Baechtel explains airflow dynamics through an engine in layman's terms so you can easily absorb it and apply it. The principles of airflow are explained; specifically, the physics of air and how it flows through major engine components, including the intake, heads, cylinders, and exhaust system. The most efficient and least restricted path through an engine is the key to high performance. To get to this higher level, the author explains atmospheric pressure, air density, and brake specific fuel

consumption so you understand the properties of fuel for tuning. Baechtel covers the primary factors for optimizing the airflow path. This includes the fundamentals of air motion, air velocity, and boundary layers; obstructions; and pressure changes. Flowing air through the heads and the combustion chamber is key and is comprehensively explained. Also comprehensively explored is the exhaust system's airflow, in particular primary tube size and length, collector function, and scavenging. Chapters also include flowbench testing, evaluating flow numbers, and using airflow software. In the simplest terms, an engine is an air pump. Whether you're a professional engine builder or a serious amateur engine builder, you must understand engine airflow dynamics and must apply these principles if you want to optimize performance. If you want to achieve ultimate engine performance, you need this book.

Parasitic Protozoa of Farm Animals and Pets - Monica Florin-Christensen 2018-04-17

This book provides an in-depth yet concise overview of the most common and emerging protozoa that cause diseases in both farm animals and companion animals. As outlined in the concise introduction, pathogenic protozoans represent an evolutionary highly diverse and little understood group of disease-causing microorganisms. For each of the featured parasitic unicellular eukaryotes, it discusses the morphology, lifecycle, epidemiology and host-pathogen interactions. In addition, the book highlights the latest developments in diagnostic methods, as well as prevention and treatment strategies. Thorough information on genomes and genetic manipulation strategies for some of the protozoa covered in this book is also included. Infections involving parasitic protozoa can cause productivity losses and/or reduce the quality of life of infected animals. Some infections are zoonotic, posing an on-going public health threat. In most cases, prevention and treatment are either non-existent or need considerable improvement. On the other hand, a great deal of research has recently been conducted on these organisms, yielding valuable new information on their global distribution and revealing the mechanisms of host-pathogen interactions at the molecular level - and essential insights that can be used for the development of new control tools. This book includes extensive information on both basic aspects and recent scientific discoveries on these protozoa and thus constitutes a unique resource for students, veterinarians, and researchers alike.

Fuel Cell Engines - Matthew M. Mench 2008-03-07

Fuel Cell Engines is an introduction to the fundamental principles of electrochemistry, thermodynamics, kinetics, material science and transport applied specifically to fuel cells. It covers scientific fundamentals and provides a basic understanding that enables proper technical decision-making.

Guide to Graphics Software Tools - Jim X. Chen 2008-12-17

The 2nd edition of this integrated guide explains and lists readily available graphics software tools and their applications, while also serving as a shortcut to graphics theory and programming. It grounds readers in fundamental concepts and helps them use visualization, modeling, simulation, and virtual reality to complement and improve their work.

Africa's Future, Africa's Challenge - Marito H. Garcia 2008-01-18

Early childhood, from birth through school entry, was largely invisible worldwide as a policy concern for much of the twentieth century. Children, in the eyes of most countries, were 'appendages' of their parents or simply embedded in the larger family structure. The child did not emerge as a separate social entity until school age (typically six or seven). 'Africa's Future, Africa's Challenge: Early Childhood Care and Development in Sub-Saharan Africa' focuses on the 130 million children south of the Sahel in this 0-6 age group. This book, the first of its kind, presents a balanced collection of articles written by African and non-African authors ranging from field practitioners to academicians and from members of government organizations to those of nongovernmental and local organizations. 'Africa's Future, Africa's Challenge' compiles the latest data and viewpoints on the state of Sub-Saharan Africa's children. Topics covered include the rationale for investing in young children, policy trends in early childhood development (ECD), historical perspectives of ECD in Sub-Saharan Africa including indigenous

approaches, new threats from HIV/AIDS, and the importance of fathers in children's lives. The book also addresses policy development and ECD implementation issues; presents the ECD programming experience in several countries, highlighting best practices and challenges; and evaluates the impact of ECD programs in a number of countries.

Current Trends in Monoclonal Antibody Development and Manufacturing - Steven J. Shire 2009-11-11

Monoclonal antibodies represent one of the fastest growing areas of new drug development within the pharmaceutical industry. Several blockbuster products have been approved over the past several years including Rituxan, Remicade, Avastin, Humira, and Herceptin. In addition, over 300 new drugs are currently in clinical trials. With both large, established biotechnology companies and small start-ups involved in the development of this important class of molecules, monoclonal antibodies products will become increasingly prevalent over the next decade. Recently the regulatory review of monoclonal antibodies has been moved from Center for Biologics and Research to the Center for Drug Evaluation and Research (CDER) division of the US Food and Drug Administration. It is anticipated that CDER will expect a certain minimal amount of data to be provided as more of these products move through the regulatory pipeline. Current Trends in Monoclonal Antibody Development and Manufacturing will provide readers with an understanding of what is currently being done in the industry to develop, manufacture, and release monoclonal antibody products and what will be required for a successful regulatory submission.

Intelligent Computing and Innovation on Data Science - Sheng-Lung Peng 2020-05-14

This book covers both basic and high-level concepts relating to the intelligent computing paradigm and data sciences in the context of distributed computing, big data, data sciences, high-performance computing and Internet of Things. It is becoming increasingly important to develop adaptive, intelligent computing-centric, energy-aware, secure and privacy-aware systems in high-performance computing and IoT applications. In this context, the book serves as a useful guide for industry practitioners, and also offers beginners a comprehensive introduction to basic and advanced areas of intelligent computing. Further, it provides a platform for researchers, engineers, academics and industrial professionals around the globe to showcase their recent research concerning recent trends. Presenting novel ideas and stimulating interesting discussions, the book appeals to researchers and practitioners working in the field of information technology and computer science.

5G Wireless Systems - Yang Yang 2017-09-14

This book focuses on key simulation and evaluation technologies for 5G systems. Based on the most recent research results from academia and industry, it describes the evaluation methodologies in depth for network and physical layer technologies. The evaluation methods are discussed in depth. It also covers the analysis of the 5G candidate technologies and the testing challenges, the evolution of the testing technologies, fading channel measurement and modeling, software simulations, software hardware cosimulation, field testing and other novel evaluation methods. The fifth-generation (5G) mobile communications system targets highly improved network performances in terms of the network capacity and the number of connections. Testing and evaluation technologies is widely recognized and plays important roles in the wireless technology developments, along with the research on basic theory and key technologies. The investigation and developments on the multi-level and comprehensive evaluations for 5G new technologies, provides important performance references for the 5G technology filtering and future standardizations. Students focused on telecommunications, electronic engineering, computer science or other related disciplines will find this book useful as a secondary text. Researchers and professionals working within these related fields will also find this book useful as a reference.

Handbook of Principles of Organizational Behavior - Edwin Locke 2011-07-15

There is a strong movement today in management to encourage management practices based on research evidence. In the first volume of this handbook, I asked experts in 39 areas of

management to identify a central principle that summarized and integrated the core findings from their specialty area and then to explain this principle and give real business examples of the principle in action. I asked them to write in non-technical terms, e.g., without a lot of statistics, and almost all did so. The previous handbook proved to be quite popular, so I was asked to edit a second edition. This new edition has been expanded to 33 topics, and there are some new authors for the previously included topics. The new edition also includes: updated case examples, updated references and practical exercises at the end of each chapter. It also includes a preface on evidence-based management. The principles for the first edition were intended to be relatively timeless, so it is no surprise that most of the principles are the same (though some chapter titles include more than one principle). This book could serve as a textbook in advanced undergraduate and in MBA courses. It could also be of use to practicing managers and not just those in Human Resource departments. Every practicing manager may not want to read the whole book, but I am willing to guarantee that every one will find at least one or more chapters that will be practically useful. In this time of economic crisis, the need for effective management practices is more acute than ever.

The English Element in Welsh - Sir Thomas Herbert Parry-Williams 1923

Handbook of Natural Gas Transmission and Processing - Saeid Mokhatab 2018-10-16

Written by an internationally-recognized team of natural gas industry experts, the fourth edition of Handbook of Natural Gas Transmission and Processing is a unique, well-researched, and comprehensive work on the design and operation aspects of natural gas transmission and processing. Six new chapters have been added to include detailed discussion of the thermodynamic and energy efficiency of relevant processes, and recent developments in treating super-rich gas, high CO₂ content gas, and high nitrogen content gas with other contaminants. The new material describes technologies for processing today's unconventional gases, providing a fresh approach in solving today's gas processing challenges including greenhouse gas emissions. The updated edition is an excellent platform for gas processors and educators to understand the basic principles and innovative designs necessary to meet today's environmental and sustainability requirement while delivering acceptable project economics. Covers all technical and operational aspects of natural gas transmission and processing. Provides pivotal updates on the latest technologies, applications, and solutions. Helps to understand today's natural gas resources, and the best gas processing technologies. Offers design optimization and advice on the design and operation of gas plants.

Performance Exhaust Systems - Mike Mavrigian 2014-08-15

To extract maximum performance, an engine needs an efficient, well-designed, and properly tuned exhaust system. In fact, the exhaust system's design, components, and materials have a large impact on the overall performance of the engine. Engine builders and car owners need to carefully consider the exhaust layout, select the parts, and fabricate the exhaust system that delivers the best performance for car and particular application. Master engine builder and award-winning writer Mike Mavrigian explains exhaust system principles, function, and components in clear and concise language. He then details how to design, fabricate, and fit exhaust systems to classic street cars as well as for special and racing applications. Air/exhaust-gas flow dynamics and exhaust system design are explained. Cam duration and overlap are also analyzed to determine how an engine breathes in air/fuel, as the exhaust must efficiently manage this burned mixture. Pipe bending is a science as well as art and you're shown how to effectively crush and mandrel bend exhaust pipe to fit your header/manifold and chassis combination. Header tube diameter and length is taken into account, as well as the most efficient catalytic converters and resonators for achieving your performance goals. In addition, Mavrigian covers the special exhaust system requirements for supercharged and turbocharged systems. When building a high-performance engine, you need a high-performance exhaust system that's tuned and fitted to that engine so you can realize maximum performance. This

comprehensive book is your guide to achieving ultimate exhaust system performance. It shows you how to fabricate a system for custom applications and to fit the correct prefabricated system to your car. No other book on the market is solely dedicated to fabricating and fitting an exhaust system in high-performance applications.

Complications in Bariatric Surgery - Diego Camacho 2018-04-26

This text focuses on the complications following bariatric surgery. The focus is on the immediate and long term complications that would be important to both the general surgeon and those surgeons with specialty experience in bariatric surgery. Sections address the nutritional deficiencies following bariatric surgery with specific attention to Roux en Y gastric bypass and pancreatico-biliary diversion as well as the correction of these deficiencies with medical intervention as well as the indications for surgical revision or reversal. The text reviews the work-up of a bariatric patient with abdominal pain including the appropriate imaging and threshold for operative intervention and the techniques to achieve optimal visualization during this difficult situation. This section focuses on the operative management of anastomotic and staple line leaks and how to definitively manage these surgical emergencies as well as achieve source control and stabilization. Later chapters focus on specific complications following bariatric surgery with specific focus on RYGB, vertical sleeve gastrectomy (VSG), biliary pancreatic diversion, and gastric band. Complications include gastric fistula, gastric staple line disruption following VSG, gastro-jejunal leak following RYGB, reflux following bariatric surgery, and failure of weight loss following bariatric surgery. These sections are written by experts in the field of bariatrics and include evidence based medicine as well as expert opinion on the management of bariatric complications. The sections provide a review of the literature and references at the close of each section. Complications in Bariatric Surgery will serve as a resource for both the general surgeon who handles bariatric emergencies as well as the bariatric specialist.

Light Alloys - Robert John Hussey 2013-04-17

Light Alloys Directory and Databook is a world-wide directory of the properties and suppliers of light alloys used in, or proposed for, numerous engineering applications. Alloys covered will include aluminium alloys, magnesium alloys, titanium alloys, beryllium. For the metals considered each section will consist of: a short introduction; a table comparing basic data and a series of comparison sheets. The book will adopt standardised data in order to help the reader in finding and comparing different materials and identifying the required information. All comparison sheets are cross-referenced, so that the user will be able to locate data on a specific product or compare properties easily. The book is designed to complement the existing publications on high performance materials.

International Investment Law and Arbitration - Todd Weiler 2005
Essays on leading cases of international investment law.

Foundations of Parasitology - Gerald D. Schmidt 1977

Making Commercial Law through Practice 1830-1970 - Ross Cranston 2021-03-31

Making Commercial Law Through Practice 1830-1970 adds a new dimension to the history of Britain's commerce, trade manufacturing and financial services, by showing how they have operated in law over the last one hundred and forty years. In the main law and lawyers were not the driving force; regulation was largely absent; and judges tended to accommodate commercial needs, so that market actors were able to shape the law through their practices. Using legal and historical scholarship, the author draws on archival sources previously unexploited for the study of commercial practice and the law's role in it. This book will stimulate parallel research in other subject areas of law. Modern commercial lawyers will learn a great deal about the current law from the story of its evolution, and economic and business historians will see how the world of commerce and trade operated in a legal context.

Springer Handbook of Automation - Shimon Y. Nof 2009-07-16

This handbook incorporates new developments in automation. It also presents a widespread and well-structured conglomeration of new emerging application areas, such as medical systems and

health, transportation, security and maintenance, service, construction and retail as well as production or logistics. The handbook is not only an ideal resource for automation experts but

also for people new to this expanding field.
Natural History of the Bay Scallop - James Squier Gutsell 1931