

Westerman Table Engineering

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IT Risk

This book features essays that investigate the nature of legal validity from the point of view of different traditions and disciplines. Validity is a fascinating and elusive characteristic of law that in itself deserves to be explored, but further investigation is made more acute and necessary by the production, nowadays, of soft law products of regulation, such as declarations, self-regulatory codes, and standardization norms. These types of rules may not exhibit the characteristics of formal law, and may lack full formal validity but yet may have a very real impact on people's lives. The essays focus on the structural properties of hard and soft legal phenomena and the basis of their validity. Some propose to redefine validity: to allow for multiple concepts instead of one and/or to allow for a gradual concept of validity. Others seek to analyze the new situation by linking it to familiar historical debates and well-established theories of law. In addition, coverage looks at the functions of validity itself. The discussion considers both international law as well as domestic law arrangements. What does it mean to say that something is valid? Should we discard validity as the determining aspect of law? If so, what does this mean for our concept of law? Should we differentiate between kinds of validity? Or, can we say that rules can be "more" or "less" valid? After reading this book, practitioners, scholars and students will have a nuanced understanding of these questions and more. Chapter 6 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Mathematical Foundations of Elasticity

Orbital Mechanics for Engineering Students, Second Edition, provides an introduction to the basic concepts of space mechanics. These include vector kinematics in three dimensions; Newton's laws of motion and gravitation; relative motion; the vector-based solution of the classical two-body problem; derivation of Kepler's equations; orbits in three dimensions; preliminary orbit determination; and orbital maneuvers. The book also covers relative motion and the two-impulse rendezvous problem; interplanetary mission design using patched conics; rigid-body dynamics used to characterize the attitude of a space vehicle; satellite attitude dynamics; and the characteristics and design of multi-stage launch vehicles. Each chapter begins with an outline of key concepts and concludes with problems that are based on the material covered. This text is written for undergraduates who are studying orbital mechanics for the first time and have completed courses in physics, dynamics, and mathematics, including differential equations and applied linear algebra. Graduate students, researchers, and experienced practitioners will also find useful review materials in the book. NEW: Reorganized and improved discussions of coordinate systems, new discussion on perturbations and quaternions NEW: Increased coverage of attitude dynamics, including new Matlab algorithms and examples in chapter 10 New examples and homework problems

All About Machine Tools

This volume brings together dynamic perspectives on the concept of liveness in the performing arts, engaging with the live through the particular analytical focus of audiences and experience. The status and significance of the live in performance has become contested: perceived as variously as a marker of ontological difference, a promotional slogan, or a mystical evocation of cultural value. Moving beyond debates about the relationship between the live and the mediated, this collection considers what we can know and say about liveness in terms of processes of experiencing and processes of making. Drawing together contributions from theatre, music, dance, and performance art, it takes an interdisciplinary approach in asking not what liveness is, but how it matters and to whom. The book invites readers to consider how liveness is produced through processes of audiencing - as spectators bring qualities of (a)liveness into being through the nature of their attention - and how it becomes materialized in acts of performance, acts of making, acts of archiving, and acts of remembering. Theoretical chapters and practice-based reflections explore liveness, eventness and nowness as key concepts in a range of topics such as affect, documentation, embodiment, fandom, and temporality, showing how the relationship between audience and event is rarely singular and more often malleable and multiple. With its focus on experiencing liveness, this collection will be of interest to disciplines including performance, audience and cultural studies, visual arts, cinema, and sound technologies.

Genetically Engineered Crops

Contents: Arend Soeteman: Introduction - Edmund Abegg: Justice and the Intrinsic Value of Humans - Caridad Velarde:

Universalism in Contemporary Human Rights Theory - Marijan Pavcnik: Gleichheit als rechtlicher Kern der Gerechtigkeit, Gerechtigkeitsmaßstäbe und Recht - José Rubio-Carracedo: Differentiated Universalization of Human Rights - Ashok Gaur: Human Rights: Dimensions and Challenges - Martin Borowski: Religious Freedom as a Fundamental Legal Right, A Rawlsian Perspective - Jörg Paul Mueller: Is freedom of conscience still a topic? - Burton M. Leiser: The Right to Immigrate and the Right to Exclude Immigrants - J.W. Harris: Rights and Resources - Libertarians and the Right to Life - Hans-Rudolf Horn: The Scope of Human and Social Rights in the Global Economic System - Isabel Trujillo Pérez: Partiality and Distributive Justice - Haig Khatchadourian: Merit as a Canon of Distributive Justice - Francesco Biondo: Conception of the person and currency of distributive justice in Van Parijs and Sen - Carlos Kohn Wachter: Hannah Arendt's Concept of Solidarity as a Criticism to Liberalism - Mikko Wennberg: Contract Law as a Response to Contract Failures: When Contracting Fails? - Hendrik Kaptein: Just Criminal Lawyers? Professional ethics and problems of punitive justice: restorative perspectives - Joan McGregor: The Law's Treatment of Rape as Expressing the Inequality of Women - David A. Reidy: The Justification of Hate Crimes Laws: The Argument from Group-Based Oppression - Alexandra George: The Problem of Property in Human Body Parts - Laura Palazzani: Person and Human Being in Bioethics and Biolaw - Jan Swanepoel: The Equality Jurisprudence Developed by South Africa's Constitutional Court since 1994 - Nikolas Roos: Fundamental Rights, European Identity and Law as a Way to Survive.

Energy Economics and Financial Markets

Financial Aspects in Energy

Building upon his earlier book that detailed agile data warehousing programming techniques for the Scrum master, Ralph's latest work illustrates the agile interpretations of the remaining software engineering disciplines: Requirements management benefits from streamlined templates that not only define projects quickly, but ensure nothing essential is overlooked. Data engineering receives two new "hyper modeling" techniques, yielding data warehouses that can be easily adapted when requirements change without having to invest in ruinously expensive data-conversion programs. Quality assurance advances with not only a stereoscopic top-down and bottom-up planning method, but also the incorporation of the latest in automated test engines. Use this step-by-step guide to deepen your own application development skills through self-study, show your teammates the world's fastest and most reliable techniques for creating business intelligence systems, or ensure that the IT department working for you is building your next decision support system the right way. Learn how to quickly define scope and architecture before programming starts Includes techniques of process and data engineering that enable iterative and incremental delivery Demonstrates how to plan and execute quality assurance plans and includes a guide to continuous integration and automated regression testing Presents program management strategies

for coordinating multiple agile data mart projects so that over time an enterprise data warehouse emerges Use the provided 120-day road map to establish a robust, agile data warehousing program

Agile Data Warehousing for the Enterprise

This book presents the most up-to-date and comprehensive guide to the current and potential future state of weed science and research. Weeds have a huge effect on the world by reducing crop yield and quality, delaying or interfering with harvesting, interfering with animal feeding (including poisoning), reducing animal health and preventing water flow. They are common across the world and cost billions of dollars' worth of crop losses year on year, as well as billions of dollars in the annual expense of controlling them. An understanding of weeds is vital to their proper management and control, without which the reduction in crop yields that they would cause could lead to mass starvation across the globe. Topics covered include weed biology and ecology, control of weeds and particular issues faced in their control. Authored and edited by internationally renowned scientists in the field all of whom are actively involved in European Weed Research Society working groups, this succinct overview covers all the relevant aspects of the science of weeds. Weed Research: Expanding Horizons is the perfect resource for botanists, horticultural scientists, agronomists, weed scientists, plant protection specialists and agrochemical company personnel.

Mannich Bases-Chemistry and Uses

Materials Numerical Quantities-Forms Tables Compiled For The Metal Trade Are Dedicated To Vocational Schools As Well As To Practical Usage At The Job Site. Although The Tables Have Been Compiled For Use Primarily By The Apprentice, The Specialized Worker Will Also Find Them Useful. Every Effort Has Been Made To Shorten The Sometimes Tedious Operations And The Arrangement Of Subject Matter Is Such That Its Contents Are Readily Available To The Practical Man. Much Painstaking Effort Must Go In Compiling And Arranging Such Tables. Information Must Be So Selected That The Reader Can, From The Bulk Of Material, Easily Find Out The Subject Of His Interest. Often, A Decision Of Either Selecting An Item Or Rejecting It Proves Difficult. Too Much Material Packed Into Tabular Compilations Can Be As Harmful As The Omission Of Some Vital Pieces Of Information. Not Only The Selection But Also The Arrangement Of Material Requires Considerable Thought If The Contents Of The Tabular Compilations Have To Be Offered For Ready Reference. Only Then Can The Reader Decide Where To Look For Proper Information. The Principle Of Order Must Be Evident At Once.

Engineering Drawing

This book covers the remarkable development of the chemistry and applications of Mannich bases within the last 30 years.

It provides an updated and comprehensive look at these compounds-compounds identified at the beginning of the century. Particular emphasis is placed on the versatile chemistry of Mannich bases. Synthesis and reactions of Mannich bases are systematically treated in the first two chapters, which include a thorough review of the most recent advances on the topic. Chapters 3 and 4 are devoted to the macromolecular chemistry and the chemistry of natural compounds, two emerging areas of application of the chemistry of Mannich bases. Chapter 5 deals with structure/property relationships that enable the production of tailor-made molecular structures suited to different practical applications. A survey of the main uses of individual Mannich bases according to the type of industrial branch is also reported.

Detroit Television

The burgeoning demand on the world food supply, coupled with concern over the use of chemical fertilizers, has led to an accelerated interest in the practice of precision agriculture. This practice involves the careful control and monitoring of plant nutrition to maximize the rate of growth and yield of crops, as well as their nutritional value.

Family Observational Coding Systems

Presents a pictorial history of television broadcasting in Detroit, Michigan.

Mechanical Engineer's Handbook

Mount Ararat in Turkey is where, as biblical tradition has it, Noah's Ark ran aground and God made his covenant with mankind. Now it stands astride the fault-line between religion and science, a geographical, political and cultural crossroads, bound up with the centuries-old history of warfare between different cultures in this region. Frank Westerman takes a pilgrimage from the mountain's foot to its highest slopes, meeting along the way geologists, priests and an expedition in search of the Ark's remains, as well as a Russian astronaut who observes that 'there is something between heaven and earth about which we humans know nothing'. Ararat is a dazzling, highly personal book about science, religion and all that lies between, by one of Europe's most celebrated young writers.

The Wireless Officer

CODING MANUAL INFORMATION IS AVAILABLE FROM THE CHAPTER AUTHORS, AND THEIR E-MAIL ADDRESSES CAN BE FOUND ON PAGE XV OF THE BOOK. Family studies is an area that has enjoyed the benefits of conceptual and methodological advances in recent years including the widespread adoption of observational research techniques. The

selection of an appropriate coding system is critical to achieving a better understanding of the complex family processes related to normative and pathological development. This book presents 14 examples of family observational coding systems, chosen for the wide range of constructs and phenomena they capture. Each system is described in detail, and excerpts from the coding manual are presented (links to the full coding manuals are available to purchasers of the book at LEA's Web site, www.erlbaum.com). Each chapter follows a consistent outline, so that the different coding systems can be more easily compared to one another. They include the theoretical underpinnings of the measure, its reliability and validity, the coding process, strategies for coder training, and examples of studies in which it has been used. This volume will prove invaluable to students and researchers in family studies, clinicians, and other practitioners who need to interpret data from family observations.

Basics of Mechanical Engineering

Genetically engineered (GE) crops were first introduced commercially in the 1990s. After two decades of production, some groups and individuals remain critical of the technology based on their concerns about possible adverse effects on human health, the environment, and ethical considerations. At the same time, others are concerned that the technology is not reaching its potential to improve human health and the environment because of stringent regulations and reduced public funding to develop products offering more benefits to society. While the debate about these and other questions related to the genetic engineering techniques of the first 20 years goes on, emerging genetic-engineering technologies are adding new complexities to the conversation. Genetically Engineered Crops builds on previous related Academies reports published between 1987 and 2010 by undertaking a retrospective examination of the purported positive and adverse effects of GE crops and to anticipate what emerging genetic-engineering technologies hold for the future. This report indicates where there are uncertainties about the economic, agronomic, health, safety, or other impacts of GE crops and food, and makes recommendations to fill gaps in safety assessments, increase regulatory clarity, and improve innovations in and access to GE technology.

Air Emissions from Animal Feeding Operations

The Text Throughout Describes Everything About Machine Tools. It Comprises All The Concepts, Machining Operations, Physical Principles And Their Applications With Related And Convincing Examples In A Crystal-Clear Manner.The Approach Of The Subject Has Been Narrated In Lucid Way, Which Makes The Text Interesting To Read And Easy To Understand. It Also Deals With The Workpieces And Tools Manufacturing, The Measuring And Checking Of These Parts Along With The Time Calculated During All These Processes.This Edition Particularly Envelops The Theory Of Manufacture, Which Can Help The Concerned Person, Not Only Working In Workshops But Also To Help Him In Individual Practising.The Book Is Highly Useful In

Technical Institutions And Schools.

The Content Analysis Guidebook

What is a committed employee? Are such employees better or worse off than uncommitted employees? What are the organizational advantages and disadvantages of having a committed workforce? This book overviews academic and popular perspectives on commitment in employees. It examines the multiple faces of commitment and the links that have been established between the various forms of commitment and organizational behaviour. In addition, questions concerning individual differences, organizational characteristics, job characteristics and work experiences associated with commitment are explored. The volume concludes with a discussion of what organizations can do to manage commitment effectively, including under difficult circumstances.

Pluralism and Law

Content analysis is one of the most important but complex research methodologies in the social sciences. In this thoroughly updated Second Edition of The Content Analysis Guidebook, author Kimberly Neuendorf draws on examples from across numerous disciplines to clarify the complicated aspects of content analysis through step-by-step instruction and practical advice. Throughout the book, the author also describes a wide range of innovative content analysis projects from both academia and commercial research that provide readers with a deeper understanding of the research process and its many real-world applications.

The Languages of West Africa

Just like the industrial society of the last century depended on natural resources, today's society depends on information and its exchange. Staab and Stuckenschmidt structured the selected contributions into four parts: Part I, "Data Storage and Access", prepares the semantic foundation, i.e. data modelling and querying in a flexible and yet scalable manner. These foundations allow for dealing with the organization of information at the individual peers. Part II, "Querying the Network", considers the routing of queries, as well as continuous queries and personalized queries under the conditions of the permanently changing topological structure of a peer-to-peer network. Part III, "Semantic Integration", deals with the mapping of heterogeneous data representations. Finally Part IV, "Methodology and Systems", reports experiences from case studies and sample applications. The overall result is a state-of-the-art description of the potential of Semantic Web and peer-to-peer technologies for information sharing and knowledge management when applied jointly.

Legal Validity and Soft Law

Neuromorphic Systems Engineering: Neural Networks in Silicon emphasizes three important aspects of this exciting new research field. The term neuromorphic expresses relations to computational models found in biological neural systems, which are used as inspiration for building large electronic systems in silicon. By adequate engineering, these silicon systems are made useful to mankind. Neuromorphic Systems Engineering: Neural Networks in Silicon provides the reader with a snapshot of neuromorphic engineering today. It is organized into five parts viewing state-of-the-art developments within neuromorphic engineering from different perspectives. Neuromorphic Systems Engineering: Neural Networks in Silicon provides the first collection of neuromorphic systems descriptions with firm foundations in silicon. Topics presented include: large scale analog systems in silicon neuromorphic silicon auditory (ear) and vision (eye) systems in silicon learning and adaptation in silicon merging biology and technology micropower analog circuit design analog memory analog interchipcommunication on digital buses £/LIST£ Neuromorphic Systems Engineering: Neural Networks in Silicon serves as an excellent resource for scientists, researchers and engineers in this emerging field, and may also be used as a text for advanced courses on the subject.

Histories of Performance Documentation

Is digitalization a value-added approach? Global leaders believe so, and this book reveals how to digitally transform your business model and compete in today's economy. It presents a roadmap consisting of five phases; Digital Reality, Digital Ambition, Digital Potential, Digital Fit, and Digital Implementation, each with step-by-step instructions as well as innovative activities and tools. This is a timely book offering professionals a concise, tried-and-trusted guide to the digital transformation of business models.

Ground Penetrating Radar in Sediments

Basics of Mechanical Engineering systematically develops the concepts and principles essential for understanding engineering thermodynamics, mechanics and strength of materials. This book is meant for first year B. Tech students of various technical universities. It will also be helpful for candidates preparing for various competitive examinations.

Mechanical Properties of Metallic Composites

The Mechanical Engineer's Handbook was developed and written specifically to fill a need for mechanical engineers and mechanical engineering students throughout the world. With over 1000 pages, 550 illustrations, and 26 tables the

Mechanical Engineer's Handbook is very comprehensive, yet affordable, compact, and durable. The Handbook covers all major areas of mechanical engineering with succinct coverage of the definitions, formulas, examples, theory, proofs, and explanations of all principle subject areas. The Handbook is an essential, practical companion for all mechanical engineering students with core coverage of nearly all relevant courses included. Also, anyone preparing for the engineering licensing examinations will find this handbook to be an invaluable aid. Useful analytical techniques provide the student and practicing engineer with powerful tools for mechanical design. This book is designed to be a portable reference with a depth of coverage not found in "pocketbooks" of formulas and definitions and without the verbosity, high price, and excessive size of the huge encyclopedic handbooks. If an engineer needs a quick reference for a wide array of information, yet does not have a full library of textbooks or does not want to spend the extra time and effort necessary to search and carry a six pound handbook, this book is for them. * Covers all major areas of mechanical engineering with succinct coverage of the definitions, formulae, examples, theory, proofs and explanations of all principle subject areas * Boasts over 1000 pages, 550 illustrations, and 26 tables * Is comprehensive, yet affordable, compact, and durable with strong 'flexible' binding * Possesses a true handbook 'feel' in size and design with a full colour cover, thumb index, cross-references and useful printed endpapers

Ararat

Energy issues feature frequently in the economic and financial press. Specific examples of topical energy issues come from around the globe and often concern economics and finance. The importance of energy production, consumption and trade raises fundamental economic issues that impact the global economy and financial markets. This volume presents research on energy economics and financial markets related to the themes of supply and demand, environmental impact and renewables, energy derivatives trading, and finance and energy. The contributions by experts in their fields take a global perspective, as well as presenting cases from various countries and continents.

Commitment in the Workplace

Weed Research

Westermann Tables For The Metal Trade

Graduate-level study approaches mathematical foundations of three-dimensional elasticity using modern differential

geometry and functional analysis. It presents a classical subject in a modern setting, with examples of newer mathematical contributions. 1983 edition.

The Languages of West Africa

This book is based on class notes for a course in the MS program in Systems Engineering at Johns Hopkins University. The program was a cooperative effort between senior systems engineers from the Johns Hopkins University Applied Physics Laboratory and the Westinghouse Electric Company. The authors were part of the curriculum design team as well as members of the faculty.

Digital Transformation Now!

Air Emissions from Animal Feeding Operations: Current Knowledge, Future Needs discusses the need for the U.S. Environmental Protection Agency to implement a new method for estimating the amount of ammonia, nitrous oxide, methane, and other pollutants emitted from livestock and poultry farms, and for determining how these emissions are dispersed in the atmosphere. The committee calls for the EPA and the U.S. Department of Agriculture to establish a joint council to coordinate and oversee short - and long-term research to estimate emissions from animal feeding operations accurately and to develop mitigation strategies. Their recommendation was for the joint council to focus its efforts first on those pollutants that pose the greatest risk to the environment and public health.

Neuromorphic Systems Engineering

Energy production and supply, as well as sourcing and consumption, are becoming evermore important in a volatile world. In this book, attention is paid to prevalent energy issues from a finance perspective. The topics discussed cover markets, prices, regulations and firms. An international group of authors from both academia and energy practice provides in twelve chapters a state of the art of the energy markets in a finance environment. They do so by discussing the current knowledge and presenting empirical research in this quickly changing and developing field. This book is the first in a planned series on energy at a high scientific level organized by the Centre for Energy and Value Issues (CEVI).

Information Technologies in Environmental Engineering

Our "thirty-is-the-new-twenty" culture tells us the twentysomething years don't matter. Some say they are a second adolescence. Others call them an emerging adulthood. Dr. Meg Jay, a clinical psychologist, argues that twentysomethings

have been caught in a swirl of hype and misinformation, much of which has trivialized what is actually the most defining decade of adulthood. Drawing from a decade of work with hundreds of twentysomething clients and students, THE DEFINING DECADE weaves the latest science of the twentysomething years with behind-closed-doors stories from twentysomethings themselves. The result is a provocative read that provides the tools necessary to make the most of your twenties, and shows us how work, relationships, personality, social networks, identity, and even the brain can change more during this decade than at any other time in adulthood-if we use the time wisely. THE DEFINING DECADE is a smart, compassionate and constructive book about the years we cannot afford to miss.

Systems Engineering: Principles And Practice

Organizational Communication is an engaging introduction that helps students understand and effectively apply communication theory to the contextual realities of everyday life. This text considers the increasingly global and mediated communication in organizations to present a highly readable and engaging introduction to the field for twenty-first century students.

Tamed Agility

This monograph contains recent studies in eco-informatics, promising ideas and new challenges in information management for supporting sustainability in companies and other organization. The scope of this book includes sets of solutions which show different stakeholders' viewpoints on sustainability. In individual chapters, authors discuss the role which Environmental Information Systems (EIS) play in the environmental conscious functioning of enterprise. New models, methods and tools supporting sustainability are presented. Emphasis is placed on the innovative approach to eco-friendly organization and coordination of transport, logistics processes and operations management. The information management and decision making in manufacturing and service organizations is highlighted. The scope of this monograph also encompasses topics related to the modeling and monitoring of climate change.

The Defining Decade

If you're a fan of action-adventure tales set in battle, don't miss Percy F. Westerman's The Wireless Officer. Having himself served as an officer in the Royal Navy, the author brings an unparalleled level of realism and detail to this thrilling account of one man's contribution to the war effort.

Experiencing Liveness in Contemporary Performance

An essential guide to valuation techniques and financial analysis. With the collapse of the economy and financial systems, many institutions are reevaluating what they are willing to spend money on. Project valuation is key to both cost effectiveness and shareholder value. The purpose of this book is to provide a comprehensive examination of critical capital budgeting topics. Coverage extends from discussing basic concepts, principles, and techniques to their application to increasingly complex, real-world situations. Throughout, the book emphasizes how financially sound capital budgeting facilitates the process of value creation and discusses why various theories make sense and how firms can use them to solve problems and create wealth. Offers a strategic focus on the application of various techniques and approaches related to a firm's overall strategy. Provides coverage of international topics based on the premise that managers should view business from a global perspective. Emphasizes the importance of using real options. Comprised of contributed chapters from both experienced professionals and academics, *Capital Budgeting Valuation* offers a variety of perspectives and a rich interplay of ideas related to this important financial discipline.

Semantic Web and Peer-to-Peer

Are you exposing your business to IT risk, and leaving profit opportunities on the table? You might be if you are managing your IT risk using more traditional approaches. *IT Risk*, a new book based on research conducted by MIT's Center for Information Systems Research and Gartner, Inc., helps companies focus on the most pressing risks and leverage the upside that comes with vigilance. Traditionally, managers have grouped technology risk and funding into silos. *IT Risk* outlines a new model for integrated risk management, which identifies three core areas you can develop to eliminate the problems that silo strategies create. The authors also offer specific ways to make the most of your new found advantage. And because IT risk is the responsibility of all senior executives not just CIOs this book describes the tools and practices in language that general managers can understand and use. Named a top-ten managerial book of 2007 by *CIO Insight* magazine.

Westermann Tables for the Metal Trade

Histories of Performance Documentation traces the many ways in which museums have approached performance works from the 1960s onwards, considering the unique challenges of documenting live events. From hybrid and interactive arts, to games and virtual and mixed reality performance, this collection investigates the burgeoning role of the performative in museum displays. Gabriella Giannachi and Jonah Westerman bring together interviews and essays by leading curators, conservators, artists and scholars from institutions including MoMA, Tate, SFMOMA and the Whitney, to examine a range of interdisciplinary practices that have influenced the field of performance documentation. Chapters build on recent approaches to performance analysis, which argue that it should not focus purely on the live event, and that documentation

should not be read solely as a process of retrospection. These ideas create a radical new framework for thinking about the relationship between performance and its documentation—and how this relationship might shape ideas of what constitutes performance in the first place.

Handbook of Plant Nutrition

Engineering Drawing, 2e continues to cover all the fundamental topics of the field, while maintaining its unique focus on the logic behind each concept and method. Based on extensive market research and reviews of the first edition, this edition includes a new chapter on scales, the latest version of AutoCAD, and new pedagogy. The coverage of topics has been made more clear and concise through over 300 solved examples and exercises, with new problems added to help students work progressively through them. Combining technical accuracy with readable explanations, this book will be invaluable to both first-year undergraduate engineering students as well as those preparing for professional exams.

Organizational Communication

This book describes pragmatic instruments and methods that enable business experts and software engineers to develop a common understanding of the software to be created, to determine their key requirements, and to manage the project in a way that fosters trust, encourages innovation and distributes risk fairly between clients and contractors. After an introduction to the fundamentals of agile software development in Part I, Part II describes the Interaction Room, an actual room where digitalization and mobilization strategies are developed, where technology potentials are evaluated, where software projects are planned and managed, and where business and technical stakeholders can communicate face to face, visualize complex relationships intuitively, and highlight value, effort and risk drivers that are keys to the project's success. After addressing these constructive aspects, the book focuses on the commercial aspects of software development: The adVANTAGE contract model described in Part III ensures that the insight-driven innovation process of software development does not just function, but is allowed to flourish in a trusted client-contractor relationship. Even though software contracting and construction may be grounded in two different academic disciplines, they are inseparable in practice, and how they interact is illustrated in the case study of developing a private health insurance benefit system in Part IV. Ultimately though, the success of every software project depends on the skills of the stakeholders. Part V therefore describes the qualification profile that software engineers and domain experts have to satisfy today. This book is aimed at CIOs, project managers and software engineers in industrial software development practice who want to learn how to effectively deal with the inevitable uncertainty of complex projects, who want to achieve higher levels of understanding and cooperation in their relationships with clients and contractors, and who want to run lower-risk software projects despite their inherent uncertainties.

Orbital Mechanics for Engineering Students

Provides coverage of dispersion-hardened and fibre-reinforced alloys, addressing principal mechanisms, processing and applications. Mechanical behaviour based on dislocation theory and elastic-plastic mechanics is dealt with and data on advanced composites are provided.

Capital Budgeting Valuation

This volume, originally published in 1970, presents a survey of the languages spoken in an area extending from the Atlantic coast at the Sengal River eastward to the Lake Chad region. The area covered by this volume is mainly a geographical one, so it follows that not all the languages included are related to one another, though a certain degree of homogeneity appears.

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