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## Advances in Signal and Data Processing Select Proceedings of ICSDP 2019

*Springer Nature* **This book presents the select peer-reviewed proceedings of the International Conference on Signal and Data Processing (ICSDP) 2019. It examines and deliberates on the recent progresses in the areas of communication and signal processing. The book includes topics on the recent advances in the areas of wired and wireless communication, low complexity architecture of MIMO receivers, applications on wireless sensor networks and internet of things, signal processing, image processing and computer vision, VLSI embedded systems, cognitive networks, power electronics and automation, mechatronics based applications, systems and control, cognitive science and machine intelligence, information security and big data. The contents of this book will be useful for beginners, researchers, and professionals interested in the area of communication, signal processing, and allied fields.**

# The Golden Ratio And Fibonacci Numbers

*World Scientific* In this invaluable book, the basic mathematical properties of the golden ratio and its occurrence in the dimensions of two- and three-dimensional figures with fivefold symmetry are discussed. In addition, the generation of the Fibonacci series and generalized Fibonacci series and their relationship to the golden ratio are presented. These concepts are applied to algorithms for searching and function minimization. The Fibonacci sequence is viewed as a one-dimensional aperiodic, lattice and these ideas are extended to two- and three-dimensional Penrose tilings and the concept of incommensurate projections. The structural properties of aperiodic crystals and the growth of certain biological organisms are described in terms of Fibonacci sequences.

## Fibonacci Numbers and Their Applications

*Springer* It isn't that they can't see the solution. It is Approach your problems from the right end and begin with the answers. Then one day, that they can't see the problem. perhaps you will find the final question. O. K. Chesterton. The Scandal of Father 'The Hermit Clad in Crane Feathers' in R. Brown 'The point of a Pin'. van Oulik's The Chinese Maze Murders. Growing specialization and diversification have brought a host of monographs and textbooks on increasingly specialized topics. However, the "tree" of knowledge of mathematics and related fields does not grow only by putting forth new branches. It also happens, quite often in fact, that branches which were thought to be completely disparate are suddenly seen to be related. Further, the kind and level of sophistication of mathematics applied in various sciences has changed drastically in recent years: measure theory is used (non trivially) in regional and theoretical economics; algebraic geometry interacts with physics; the Minkowsky lemma, coding theory and the structure of water meet one another in packing and covering theory; quantum fields, crystal defects and mathematical programming profit from homotopy theory; Lie algebras are relevant to filtering; and prediction and electrical engineering can use Stein spaces. And in addition to this there are such new emerging subdisciplines as "experimental mathematics", "CFD", "completely integrable systems", "chaos, synergetics and large-scale order", which are almost impossible to fit into the existing classification schemes. They draw upon widely different sections of mathematics.

# Small-Scale Aquaponic Food Production

*Fao* **Aquaponics is the integration of aquaculture and soilless culture in a closed production system. This manual details aquaponics for small-scale production--predominantly for home use. It is divided into nine chapters and seven annexes, with each chapter dedicated to an individual module of aquaponics. The target audience for this manual is agriculture extension agents, regional fisheries officers, non-governmental organizations, community organizers, government ministers, companies and singles worldwide. The intention is to bring a general understanding of aquaponics to people who previously may have only known about one aspect.**

# WHO Guidelines for Indoor Air Quality

## Selected Pollutants

*World Health Organization* **This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards.**

# The Divine Proportion

# A Study in Mathematical Beauty

*Courier Corporation* **Explores the aesthetic, emotional, artistic and philosophical significance of geometric figures, scientific patterns and mathematical formulas**

# Toxicological Profile for Polycyclic Aromatic Hydrocarbons

# Policies to Address Poverty in America

*The Hamilton Project* **One-in-seven adults and one-in-five children in the United States live in poverty. Individuals and families living in poverty**—not only lack basic, material necessities, but they are also disproportionately afflicted by many social and economic challenges. Some of these challenges include the increased possibility of an unstable home situation, inadequate education opportunities at all levels, and a high chance of crime and victimization. Given this growing social, economic, and political concern, The Hamilton Project at Brookings asked academic experts to develop policy proposals confronting the various challenges of America's poorest citizens, and to introduce innovative approaches to addressing poverty. When combined, the scope and impact of these proposals has the potential to vastly improve the lives of the poor. The resulting 14 policy memos are included in The Hamilton Project's **Policies to Address Poverty in America**. The main areas of focus include promoting early childhood development, supporting disadvantaged youth, building worker skills, and improving safety net and work support.

# Software-Defined Radio for Engineers

*Artech House* **Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using**

SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

## The Business Plan

## How to Win Your Investors' Confidence

*Springer Science & Business Media* This book provides the essentials to write a successful business plan. The represented methods and best practices have been approved over many years in practice with many management consulting engagements. The book is beautifully structured, it has a pragmatic emphasis and an autodidactic approach. The reader gets acquainted with the skills and competencies as well as tools, required for the planning and development of the business plan project.

## Fibonacci and Lucas Numbers, and the Golden Section

## Theory and Applications

*Courier Corporation* This survey of the use of Fibonacci and Lucas numbers and the ancient principle of the Golden Section covers areas relevant to operational research, statistics, and computational mathematics. 1989 edition.

# Ant Colony Optimization

*MIT Press* **An overview of the rapidly growing field of ant colony optimization that describes theoretical findings, the major algorithms, and current applications. The complex social behaviors of ants have been much studied by science, and computer scientists are now finding that these behavior patterns can provide models for solving difficult combinatorial optimization problems. The attempt to develop algorithms inspired by one aspect of ant behavior, the ability to find what computer scientists would call shortest paths, has become the field of ant colony optimization (ACO), the most successful and widely recognized algorithmic technique based on ant behavior. This book presents an overview of this rapidly growing field, from its theoretical inception to practical applications, including descriptions of many available ACO algorithms and their uses. The book first describes the translation of observed ant behavior into working optimization algorithms. The ant colony metaheuristic is then introduced and viewed in the general context of combinatorial optimization. This is followed by a detailed description and guide to all major ACO algorithms and a report on current theoretical findings. The book surveys ACO applications now in use, including routing, assignment, scheduling, subset, machine learning, and bioinformatics problems. AntNet, an ACO algorithm designed for the network routing problem, is described in detail. The authors conclude by summarizing the progress in the field and outlining future research directions. Each chapter ends with bibliographic material, bullet points setting out important ideas covered in the chapter, and exercises. Ant Colony Optimization will be of interest to academic and industry researchers, graduate students, and practitioners who wish to learn how to implement ACO algorithms.**

## The Genuine Works of Hippocrates

## Medical Education in the United States and Canada

# A Report to the Carnegie Foundation for the Advancement of Teaching

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

## The Weaponization of Trade

## The Great Unbalancing of Politics and Economics

*London Publishing Partnership* **Trade is being weaponized - and this is not good. As politicians on both sides of the Atlantic raise the stakes, trade is increasingly a tool of coercion to achieve strategic influence. This book looks at the risks for us all as trade becomes an instrument of foreign policy, and it shows how politicians could turn things around.**

## Accounting Theory

## An Information Content Perspective

*McGraw-Hill* **This text covers both financial and managerial accounting theory with a strong emphasis on accounting information systems. It examines the challenges faced by accounting information users and preparers, and the role accounting information systems play.**

# Mathematical Grammar of Biology

*Springer* This seminal, multidisciplinary book shows how mathematics can be used to study the first principles of DNA. Most importantly, it enriches the so-called “Chargaff’s grammar of biology” by providing the conceptual theoretical framework necessary to generalize Chargaff’s rules. Starting with a simple example of DNA mathematical modeling where human nucleotide frequencies are associated to the Fibonacci sequence and the Golden Ratio through an optimization problem, its breakthrough is showing that the reverse, complement and reverse-complement operators defined over oligonucleotides induce a natural set partition of DNA words of fixed-size. These equivalence classes, when organized into a matrix form, reveal hidden patterns within the DNA sequence of every living organism. Intended for undergraduate and graduate students both in mathematics and in life sciences, it is also a valuable resource for researchers interested in studying invariant genomic properties.

## Primal Leadership

# Unleashing the Power of Emotional Intelligence

*Harvard Business Press* Annotation.

## Agrarian change in tropical landscapes

*CIFOR* Agricultural expansion has transformed and fragmented forest habitats at alarming rates across the globe, but particularly so in tropical landscapes. The resulting land-use configurations encompass varying mosaics of tree cover, human settlements and agricultural land units. Meanwhile, global demand for agricultural commodities is at unprecedented levels. The need to feed nine billion people by 2050 in a world of changing food demands is causing increasing agricultural intensification. As such, market-orientated production systems are now increasingly replacing traditional farming practices, but at what cost? The Agrarian Change project, coordinated by the Center for International Forestry Research, explores the conservation, livelihood and food security implications of land-use and agrarian change processes at the landscape scale. This book provides detailed background information on seven multi-

functional landscapes in Ethiopia, Cameroon, Indonesia, Nicaragua, Bangladesh, Zambia and Burkina Faso. The focal landscapes were selected as they exhibit various scenarios of changing forest cover, agricultural modification and integration with local and global commodity markets. A standardized research protocol will allow for future comparative analyses between these sites. Each case study chapter provides a comprehensive description of the physical and socioeconomic context of each focal landscape and a structured account of the historical and political drivers of land-use change occurring in the area. Each case study also draws on contemporary information obtained from key informant interviews, focus group discussions and preliminary data collection regarding key topics of interest including: changes in forest cover and dependency on forest products, farming practices, tenure institutions, the role and presence of conservation initiatives, and major economic activities. The follow-on empirical study is already underway in the landscapes described in this book. It examines responses to agrarian change processes at household, farm, village and landscape levels with a focus on poverty levels, food security, dietary diversity and nutrition, agricultural yields, biodiversity, migration and land tenure. This research intends to provide much needed insights into how landscape-scale land-use trajectories manifest in local communities and advance understanding of multi-functional landscapes as socioecological systems.

## Virus Taxonomy

# Classification and Nomenclature of Viruses : Ninth Report of the International Committee on Taxonomy of Viruses

*Elsevier* **The practical need to partition the world of viruses into distinguishable, universally agreed upon entities is the ultimate justification for developing a virus classification system. Since 1971, the International Committee on Taxonomy of Viruses (ICTV) operating on behalf of the world community of virologists has taken on the task of developing a single, universal taxonomic scheme for all viruses infecting animals (vertebrate, invertebrates, and**

protozoa), plants (higher plants and algae), fungi, bacteria, and archaea. The current report builds on the accumulated taxonomic construction of the eight previous reports dating back to 1971 and records the proceedings of the Committee since publication of the last report in 2005. Representing the work of more than 500 virologists worldwide, this report is the authoritative reference for virus organization, distinction, and structure.

## Gender Responsive Standards

**Gender Responsive Standards publication (ECE/TRADE/445) makes the case for mainstreaming gender in the development and implementation of standards. The first chapter places the discussion in the larger perspective of how standards contribute to the achievement of the Sustainable Development Goals of Agenda 2030. It reviews the role of standards as a way of furthering equal participation by both genders in economic decision making; as instruments for womens health, safety and well-being; and finally, as tools for sustainability reporting. The chapter also presents the UNECE "Gender Responsive Standards Initiative" as an important example of partnership among standards bodies, governments, the civil society, academia and other key stakeholders for gender equality. The second chapter reviews a subset of standards, namely, Voluntary Sustainability Standards (VSS), as a common instrument used mostly by businesses to establish, incentivise and enforce commitments to sustainable development. The last chapter introduces recommendations for action directed to standards bodies, governments and donors and international organizations. It calls for all actors to thoroughly analyse the root causes of gender inequality and the impact it may have on standards development and implementation.**

## The Third Wave

## Democratization in the Late 20th Century

*University of Oklahoma Press* **Between 1974 and 1990 more than thirty countries in southern Europe, Latin America, East Asia, and Eastern Europe shifted from authoritarian to democratic systems of government. This global democratic revolution is probably the most important political trend in the late twentieth century. In *The Third Wave*, Samuel P. Huntington analyzes the causes and nature of these democratic transitions, evaluates the prospects for stability of the**

new democracies, and explores the possibility of more countries becoming democratic. The recent transitions, he argues, are the third major wave of democratization in the modern world. Each of the two previous waves was followed by a reverse wave in which some countries shifted back to authoritarian government. Using concrete examples, empirical evidence, and insightful analysis, Huntington provides neither a theory nor a history of the third wave, but an explanation of why and how it occurred. Factors responsible for the democratic trend include the legitimacy dilemmas of authoritarian regimes; economic and social development; the changed role of the Catholic Church; the impact of the United States, the European Community, and the Soviet Union; and the "snowballing" phenomenon: change in one country stimulating change in others. Five key elite groups within and outside the nondemocratic regime played roles in shaping the various ways democratization occurred. Compromise was key to all democratizations, and elections and nonviolent tactics also were central. New democracies must deal with the "torturer problem" and the "praetorian problem" and attempt to develop democratic values and processes. Disillusionment with democracy, Huntington argues, is necessary to consolidating democracy. He concludes the book with an analysis of the political, economic, and cultural factors that will decide whether or not the third wave continues. Several "Guidelines for Democratizers" offer specific, practical suggestions for initiating and carrying out reform. Huntington's emphasis on practical application makes this book a valuable tool for anyone engaged in the democratization process. At this volatile time in history, Huntington's assessment of the processes of democratization is indispensable to understanding the future of democracy in the world.

## Thinking in Systems

### A Primer

*Chelsea Green Publishing* In the years following her role as the lead author of the international bestseller, *Limits to Growth*—the first book to show the consequences of unchecked growth on a finite planet—Donella Meadows remained a pioneer of environmental and social analysis until her untimely death in 2001. *Thinking in Systems*, is a concise and crucial book offering insight for problem solving on scales ranging from the personal to the global. Edited by the Sustainability Institute's Diana Wright, this essential primer brings systems thinking out of the realm of computers and equations and into the tangible world, showing readers how to develop the systems-thinking skills that thought

leaders across the globe consider critical for 21st-century life. Some of the biggest problems facing the world—war, hunger, poverty, and environmental degradation—are essentially system failures. They cannot be solved by fixing one piece in isolation from the others, because even seemingly minor details have enormous power to undermine the best efforts of too-narrow thinking. While readers will learn the conceptual tools and methods of systems thinking, the heart of the book is grander than methodology. Donella Meadows was known as much for nurturing positive outcomes as she was for delving into the science behind global dilemmas. She reminds readers to pay attention to what is important, not just what is quantifiable, to stay humble, and to stay a learner. In a world growing ever more complicated, crowded, and interdependent, *Thinking in Systems* helps readers avoid confusion and helplessness, the first step toward finding proactive and effective solutions.

## Ethnic Considerations in Facial Plastic Surgery

*Thieme* Written by leading plastic surgeons from five different continents across the globe, this facial plastic surgery reference gives readers the tools they need to successfully perform surgical and non-surgical procedures on patients of various ethnicities. It includes sections on facial plastic surgery procedures performed on Latin, African, Asian, and Mediterranean/Middle Eastern patients, along with a final section on special topics such as fat grafting for mixed race patients and keloid treatments for dark skinned patients. Key Features: Online access to more than 20 videos in which the authors perform facial plastic surgery procedures described in the book More than 700 full-color illustrations clarify procedures presented in the text Covers all the major plastic and facial plastic surgery procedures performed on patients from different ethnic groups The contributors to this textbook are experts from various regions of the world. The wealth of information provided reflects the needs of patients from diverse ethnic backgrounds and their unique concepts of beauty. Each contributor offers readers expert advice on how to approach different ethnic groups and what procedures best meet the needs of each group.

## The Social Psychology of Facial Appearance

*Springer Science & Business Media* Several years ago Coleman (1981) reported that in 1979 one of the many international cosmetics companies had an annual sales figure of \$2.38 billion, nearly 1.25 million sales representatives, and over 700 products, the majority of these being for the face. Cash and Cash (1982) noted that in 1979 U. S. consumers spent

over \$4 million on cosmetic products. They stated that, "Although this practice would seem to be a fascinating aspect of human behavior on the basis of its generality and resilience, social-behavioral scientists have largely ignored the phenomenon so plainly (or pleasingly) in front of their eyes. " Why should people be so concerned with their facial appearance? Many psychologists have argued (e. g. , Kleck & Rubenstein, 1975) not only that facial information is usually the first that is available to the perceiver, but also that it is continuously available during social interaction. Maruyama and Miller (1981) stated that "appearance is often the first dimension upon which a stranger can be evaluated. Since people tend to see others as integrated and consistent units, rather than as collections of situation-specific behaviors, a potent and immediately evident basis for an evaluation, such as physical appearance, should intrude into and affect any overall and subsequent evaluation.

## The Knight on His Quest

# Symbolic Patterns of Transition in Sir Gawain and the Green Knight

*University of Delaware Press* This book offers an integrated interpretative analysis of the major thematic aspects of the English fourteenth-century romance *Sir Gawain and the Green Knight*. The chief aim of author Piotr Sadowski is to look at the contents of the narrative in their entirety and to take full advantage of the poem's exceptional and widely praised harmony of structure and design. Within that design, Sadowski focuses on the poem's presentation of the main protagonist and his adventures, seen first of all as a generalized metaphor of the human life understood as a spiritual quest, and, in a more historical sense, as an expression and critique of certain ideals, values, and anxieties that characterized the late medieval institutions of the court, chivalry, and the Church. Sadowski built the interpretive framework of *Sir Gawain* from an eclectic theoretical base that he believes is most valuable and useful in approaching medieval literature. The main focus of the study remains the literary text itself, created by an author who communicates his view of the world through the poem.

# Harrisons Manual of Medicine, 20th Edition

*McGraw Hill Professional* **Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. All the authority of the most trusted brand in medical content in a convenient, portable guide Derived from most clinically salient content featured in Harrison's Principles of Internal Medicine, 20th Edition, this full color, portable guide covers all diseases and conditions commonly seen in general medical practice. This edition has been updated to reflect the latest clinical developments in medicine. Designed for quick access and employing an effective blend of concise text, bulleted key points, decision trees, and summary tables, the Manual makes it easy to find what you need at the point of care. The easy-to-navigate chapters use a standard repeating template and cover: •Etiology and Epidemiology •Clinically Relevant Pathophysiology •Signs and Symptoms •Differential Diagnosis •Physical and Laboratory Findings •Therapeutics •Practice Guidelines, and more**

## Trigonometric Delights

*Princeton University Press* **Trigonometry has always been the black sheep of mathematics. It has a reputation as a dry and difficult subject, a glorified form of geometry complicated by tedious computation. In this book, Eli Maor draws on his remarkable talents as a guide to the world of numbers to dispel that view. Rejecting the usual arid descriptions of sine, cosine, and their trigonometric relatives, he brings the subject to life in a compelling blend of history, biography, and mathematics. He presents both a survey of the main elements of trigonometry and a unique account of its vital contribution to science and social development. Woven together in a tapestry of entertaining stories, scientific curiosities, and educational insights, the book more than lives up to the title Trigonometric Delights. Maor, whose previous books have demystified the concept of infinity and the unusual number "e," begins by examining the "proto-trigonometry" of the Egyptian pyramid builders. He shows how Greek astronomers developed the first true trigonometry. He traces the slow emergence of modern, analytical trigonometry, recounting its colorful origins in Renaissance Europe's quest for more accurate artillery, more precise clocks, and more pleasing musical instruments. Along the way, we see trigonometry at work in, for example, the struggle of the famous mapmaker Gerardus Mercator to represent the curved earth on a flat sheet of paper; we see how M. C. Escher used geometric progressions in his art;**

and we learn how the toy Spirograph uses epicycles and hypocycles. Maor also sketches the lives of some of the intriguing figures who have shaped four thousand years of trigonometric history. We meet, for instance, the Renaissance scholar Regiomontanus, who is rumored to have been poisoned for insulting a colleague, and Maria Agnesi, an eighteenth-century Italian genius who gave up mathematics to work with the poor--but not before she investigated a special curve that, due to mistranslation, bears the unfortunate name "the witch of Agnesi." The book is richly illustrated, including rare prints from the author's own collection. *Trigonometric Delights* will change forever our view of a once dreaded subject.

## Esthetics in Dentistry

*Pmph Bc Decker* **Esthetics in Dentistry Volume 2 Individual Teeth, Missing Teeth, Malocclusion, Facial Appearance.** **Esthetics in Dentistry** is the ultimate challenge for the restorative dentist. A restoration must not only look good, it must also function well and endure the test of time. This volume is designed to present a differential diagnosis of all .....

## Tensegrity Structures and their Application to Architecture

*Ed. Universidad de Cantabria* **Tensegrity structures are really intriguing: bars floating in the air, without any contact to a solid support, attached only by wires to other bars... that are also floating in the air!** The aim of this work is to serve as an introduction to such an atypical kind of structure. It tries to explain everything about the controversial origins and polemic fatherhood; tensegrities from various fields, other than Architecture, structural principles, characteristics, advantages and weakness; precedent and current works and patents; and finally, some new proposals, proving that it is possible to find some applications to architectural and engineering purposes. In conclusion, this work tries to be a guide and reference to a new world of structural possibilities that is blooming and finding its path.

# The Roman Market Economy

*Princeton University Press* "The study of ancient economies has for many generations been a fiercely debated field. Peter Temin has produced a book that will in many ways foster renewed energy in this great debate. What is of special value here is his economic analysis, including the use of regressions to show that price movements in the Roman provinces must be linked to those in Rome itself, and that the Roman economy, therefore, was a market economy. Whether one agrees or not with this basic conclusion, the framing of the evidence will alter the terms of the debate, and not just for the Roman economy but for Hellenistic economies as well. The book is a must-read for all economic historians and will surely become one of the most widely read books on the ancient economy."--J. G. Manning, Yale University "Peter Temin's fascinating book deploys the techniques of economic analysis to understand the nature of Roman trade, markets, and transactions, and definitively challenges the view of the Roman Empire as a 'primitive' economy. Stressing the importance of markets, trade, commerce, and banking, and emphasizing their prominence in the evidence from ancient texts and archaeology, Temin offers a sophisticated account of Rome's economic institutions and practices that fundamentally revises and enriches our understanding of the prosperity and the decline of this major imperial power."--Alan K. Bowman, University of Oxford "This is a very important book, and I know of no other quite like it. Temin's scholarship promotes and illustrates the relevance of economic theory to the study of Roman history. "The Roman Market Economy" contains plenty of claims that are controversial, but that's what will energize the debate."--Walter Scheidel, coeditor of "The Oxford Handbook of Roman Studies" "Economic historians have actively studied medieval and early modern Europe for decades, but few have ventured back as far as Peter Temin does here. He demonstrates that economic arguments apply just as well to the ancient world, and that even quite general propositions can be tested against evidence from antiquity."--Francois R. Velde, coauthor of "The Big Problem of Small Change" "

## Personality Traits of Entrepreneurs

# A Review of Recent Literature

*Foundations and Trends (R) in Entrepreneurship* **Collects and organize the latest findings on the prevalence of various personality traits among the entrepreneurial population and their impact on venture performance covering academic work ranging from economics to psychology to management studies.**

## Data Envelopment Analysis

### A Comprehensive Text with Models, Applications, References and DEA-Solver Software

*Springer Science & Business Media* **This volume systematically details both the basic principles and new developments in Data Envelopment Analysis (DEA), offering a solid understanding of the methodology, its uses, and its potential. New material in this edition includes coverage of recent developments that have greatly extended the power and scope of DEA and have lead to new directions for research and DEA uses. Each chapter accompanies its developments with simple numerical examples and discussions of actual applications. The first nine chapters cover the basic principles of DEA, while the final seven chapters provide a more advanced treatment.**

## Food Chemistry

*Springer Science & Business Media* **This advanced textbook for teaching and continuing studies provides an in-depth coverage of modern food chemistry. Food constituents, their chemical structures, functional properties and their interactions are given broad coverage as they form the basis for understanding food production, processing, storage, handling, analysis, and the underlying chemical and physical processes. Special emphasis is also giben to food additives, food contaminants and tho understanding the important processing parameters in food production. Logically organized (according to food constituents and commodities) and extensively illustrated with more than 450 tables and**

**340 figures** this completely revised and updated edition provides students and researchers in food science or agricultural chemistry with an outstanding textbook. In addition it will serve as reference text for advanced students in food technology and a valuable on-the-job reference for chemists, engineers, biochemists, nutritionists, and analytical chemists in food industry and in research as well as in food control and other service labs.

## Handbook of Essential Oils

### Science, Technology, and Applications

*CRC Press* Egyptian hieroglyphs, Chinese scrolls, and Ayurvedic literature record physicians administering aromatic oils to their patients. Today society looks to science to document health choices and the oils do not disappoint. The growing body of evidence of their efficacy for more than just scenting a room underscores the need for production standards, quality control parameters for raw materials and finished products, and well-defined Good Manufacturing Practices. Edited by two renowned experts, the Handbook of Essential Oils covers all aspects of essential oils from chemistry, pharmacology, and biological activity, to production and trade, to uses and regulation. Bringing together significant research and market profiles, this comprehensive handbook provides a much-needed compilation of information related to the development, use, and marketing of essential oils, including their chemistry and biochemistry. A select group of authoritative experts explores the historical, biological, regulatory, and microbial aspects. This reference also covers sources, production, analysis, storage, and transport of oils as well as aromatherapy, pharmacology, toxicology, and metabolism. It includes discussions of biological activity testing, results of antimicrobial and antioxidant tests, and penetration-enhancing activities useful in drug delivery. New information on essential oils may lead to an increased understanding of their multidimensional uses and better, more ecologically friendly production methods. Reflecting the immense developments in scientific knowledge available on essential oils, this book brings multidisciplinary coverage of essential oils into one all-inclusive resource.

## War Surgery

### Working with Limited Resources in Armed Conflict and Other Situations of Violence

Accompanying CD-ROM contains graphic footage of various war wound surgeries.

## Elementary Number Theory in Nine Chapters

*Cambridge University Press* **This book serves as a one-semester introductory course in number theory. Throughout the book, Tattersall adopts a historical perspective and gives emphasis to some of the subject's applied aspects, highlighting the field of cryptography. At the heart of the book are the major number theoretic accomplishments of Euclid, Fermat, Gauss, Legendre, and Euler, and to fully illustrate the properties of numbers and concepts developed in the text, a wealth of exercises has been included. The reader should have "pencil in hand" and ready access to a calculator or computer. For students new to number theory, whatever their background, this is a stimulating and entertaining introduction to the subject.**

## The Belmont Report

### Ethical Principles and Guidelines for the Protection of Human Subjects of Research ; Appendix

# Trustworthy Online Controlled Experiments

## A Practical Guide to A/B Testing

*Cambridge University Press* **Getting numbers is easy; getting numbers you can trust is hard. This practical guide by experimentation leaders at Google, LinkedIn, and Microsoft will teach you how to accelerate innovation using trustworthy online controlled experiments, or A/B tests. Based on practical experiences at companies that each run more than 20,000 controlled experiments a year, the authors share examples, pitfalls, and advice for students and industry professionals getting started with experiments, plus deeper dives into advanced topics for practitioners who want to improve the way they make data-driven decisions. Learn how to**

- Use the scientific method to evaluate hypotheses using controlled experiments
- Define key metrics and ideally an Overall Evaluation Criterion
- Test for trustworthiness of the results and alert experimenters to violated assumptions
- Build a scalable platform that lowers the marginal cost of experiments close to zero
- Avoid pitfalls like carryover effects and Twyman's law
- Understand how statistical issues play out in practice.

## Proportion

## Science, Philosophy, Architecture

*Taylor & Francis* **This handbook provides readers with a well-illustrated and readable comparative guide to proportion systems in architecture, setting out the mathematical principles that underlie the main systems and illustrating these with examples of their use in historical and modern buildings. The main body of the text traces the interplay of abstraction and empathy through the history of science, philosophy and architecture from the early Greeks through to the two early twentieth-century architects who made proportion the focus of their work: Le Corbusier and Van der Laan. The book ends with a reflection on the present and future role of proportion in architecture.**