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Operating System Concepts - Abraham
Silberschatz 2011-07-05

Operating System Concepts continues to provide
a solid theoretical foundation for understanding

operating systems. The 8th Edition Update includes more coverage of the most current topics in the rapidly changing fields of operating systems and networking, including open-source operating systems. The use of simulators and operating system emulators is incorporated to allow operating system operation demonstrations and full programming projects. The text also includes improved conceptual coverage and additional content to bridge the gap between concepts and actual implementations. New end-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts, while WileyPLUS continues to motivate students and offer comprehensive support for the material in an interactive format. *Essays in Honour of Eamonn Cantwell* - Warwick Gould 2016-12-05

This number of Yeats Annual collects the essays resulting from the University College Cork/ESB International Annual W. B. Yeats Lectures Series

(2003-2008) by Roy Foster, Warwick Gould, John Kelly, Paul Muldoon, Bernard O'Donoghue and Helen Vendler. Those that were available in pamphlet form are now collectors' items, but here is the complete series. These revised essays cover such themes as Yeats and the Refrain, Yeats as a Love Poet, Yeats, Ireland and Europe, the puzzles he created and solved with his art of poetic sequences, and his long and crucial interaction with the emerging T. S. Eliot. The series was inaugurated by a study of Yeats and his Books, which marked the gift to the Boole Library, Cork, of Dr Eamonn Cantwell's collection of rare editions of books by Yeats (here catalogued by Crónán Ó Doibhlin). Many of the volume's fifty-six plates offer images of artists' designs and resulting first editions. This bibliographical theme is continued with Colin Smythe's census of surviving copies of Yeats's earliest separate publication, *Mosada* (1886) and a resultant piece by Warwick Gould on that dramatic poem's source in the legend of The

Phantom Ship. John Kelly reveals Yeats's ghost-writing for Sarah Allgood; Geert Lernout discovers the source for Yeats's 'Tulka', Günther Schmigalle unearths his surprising connexions with American communist colonists in Virginia, while Deirdre Toomey edits some new letters to the French anarchist, Auguste Hamon—all providing new annotation for standard editions. The volume is rounded with review essays by Colin McDowell (on A Vision, and Berkeley, Hone and Yeats), shorter reviews of current studies by Michael Edwards, Jad Adams and Deirdre Toomey, and obituaries of Jon Stallworthy (Nicolas Barker) and Katharine Worth (Richard Cave).

Disability Representation in Film, TV, and Print Media - Michael S. Jeffress 2021-08-20

Using sources from a wide variety of print and digital media, this book discusses the need for ample and healthy portrayals of disability and neurodiversity in the media, as the primary way that most people learn about conditions. It

contains 13 newly written chapters drawing on representations of disability in popular culture from film, television, and print media in both the Global North and the Global South, including the United States, Canada, India, and Kenya.

Although disability is often framed using a limited range of stereotypical tropes such as victims, supercrips, or suffering patients, this book shows how disability and neurodiversity are making their way into more mainstream media productions and publications with movies, television shows, and books featuring prominent and even lead characters with disabilities or neurodiversity. Disability Representation in Film, TV, and Print Media will be of interest to all scholars and students of disability studies, cultural studies, film studies, gender studies, and sociology more broadly.

Beyond Embodied Cognition: Intentionality, Affordance, and Environmental Adaptation - Zheng Jin 2019-04-09

Modeling the Psychopathological Dimensions of Schizophrenia - Mikhail Pletnikov 2015-11-05

2015-11-05

Modeling the Psychopathological Dimensions of Schizophrenia: From Molecules to Behavior is the first book to offer a comprehensive review of the new theoretical, clinical, and basic research framework that considers psychotic illness as a group of dimensional representations of psychopathology rather than as traditional distinct categorical diagnoses. Psychotic illness, typified by schizophrenia, is a devastating condition increasingly recognized as a disorder of abnormal brain development and dysconnectivity. Its complex etiology involves both genetic and environmental factors, as well as the interplay among them. This book describes the current understanding of the clinical and pathological features of schizophrenia, with a particular focus on the evolving conceptualization of schizophrenia and related diagnostic categories of psychotic illness

as combinations of dimensional abnormalities. It provides an overview of modern strategies for generating cellular and whole animal models of schizophrenia as well as detailed reviews of the specific experimental preparations and paradigms aimed at molecular, developmental, and brain-network mechanisms that are the underlying aspects of abnormal behavior and various aspects of schizophrenia. This groundbreaking book is an authoritative overview of the translational impact of emerging clinical insights on basic research approaches in schizophrenia that will advance the reader's understanding of the five major dimensions of psychopathology in schizophrenia and related psychoses and resolve the genetic and neurobiological underpinnings of these dimensions. Includes reviews of animal models that capture the most recent insights into the etiology and pathogenetic mechanisms of schizophrenia, with an emphasis on the translational potential of these models Contains

a series of reviews of recently available cellular models for analysis of signaling pathways and gene expression, which complement behavioral neuroscience research in schizophrenia Edited and authored by leading researchers in the field of schizophrenia and related psychoses

In the Beginning - Judy F. Rosenblith
1992-06-04

`Wonderful value... Rosenblith has overviewed the world of infancy research in exquisite detail... she has scoured the journals, organised the findings, interpreted the conclusions, weighed the balance of the evidence and presented a compendium which is invaluable. It is hard to imagine anyone concerned with the development of infants who would not benefit by having access to its nearly 600, A4-sized pages, whether general practitioners, parents, social workers or psychiatrists. It is superbly edited and published' - British Journal of Psychiatry Popular for its presentation of current data and its focus on methods for studying infants, this

best-selling text is now available in a thorough revision - an

Nursing Care in Pediatric Respiratory Disease - Concettina Tolomeo 2012-01-03

Pediatric respiratory disorders are responsible for a number of acute and chronic health conditions and are a leading cause of pediatric emergency room visits and hospitalizations.

More than ever, nurses and nurse practitioners must have an understanding of the anatomy, pathophysiology, diagnosis and state of the art treatments in pediatric respiratory disease as they are often the first to come in contact with and recognize respiratory problems in children. Nursing Care in Pediatric Respiratory Disease seeks to provide both nurses and nurse practitioners with this information in order to aid them in the diagnosis and treatment of children suffering from acute and chronic respiratory disorders. Nursing Care in Pediatric Respiratory Disease opens with an overview of the anatomy and physiology of the respiratory

system, best practices for assessing respiratory symptoms in children, and common respiratory therapies and treatment methods. It then proceeds through an examination of varying acute and chronic upper and lower respiratory diseases spanning from asthma and cystic fibrosis to vocal cord paralysis and sinusitis in both hospital and ambulatory settings. Nursing Care in Pediatric Respiratory Disease provides nurses and other health care providers with a comprehensive and practical resource which allows them to collaborate and advocate more effectively, as well as educate both the family and child in management of respiratory disorders.

Positive Youth Development - 2011-09-14

Each chapter provides in-depth discussions and this volume serves as an invaluable resource for Developmental or educational psychology researchers, scholars, and students. Includes chapters that highlight some of the most recent research in the area of Positive Youth

Development Each chapter provides in-depth discussions An invaluable resource for developmental or educational psychology researchers, scholars, and students

Planted Forests - Julian Evans 2009

Planted forests - despite being only seven per cent of the world's forest resources, have superseded naturally regenerating forests as the principal source of industrial wood products. Lessening the pressure for wood production, on natural forests, tree planting has released them to be managed for other purposes - carbon sinks, soil and water protection, conservation of biological diversity, recreation and amenity. Representing a complement, but not an alternative, to natural forests, planted forests have become increasingly important for reducing worldwide deforestation, loss of forest ecosystems and forest degradation. Examining the significance of this rapidly emerging world resource, chapters consider the strengths and weaknesses of planted forests, management

objectives for their use and aspects of ownership and policy. Data from key production countries are used to evaluate the implications and sustainability of planted forests as a source of forest products as well as social and ecological issues.

Principles of Social Psychiatry - Craig

Morgan 2010-06-14

Social psychiatry is concerned with the effects of the social environment on the mental health of the individual, and with the effects of the person with a mental disorder on his/her social environment. The field encompasses social interventions, prevention and the promotion of mental health. This new edition of Principles of Social Psychiatry provides a broad overview of current thinking in this expanding field and will be a source of ideas both in research and for the management of mental disorder. It opens by putting social psychiatry in perspective, within both psychiatry and the social sciences. From the patient's perspective, the outermost

influence is the culture in which they live, followed by their neighbourhoods, workmates, and friends and family. The next section considers how we conceptualize the social world, from families through cultural identity and ethnicity to the wider social environment. The book reviews the social determinants and consequences of the major mental disorders before considering interventions and service delivery at various levels to mitigate these. It closes with a review of the social impact of mental illness around the world and a thoughtful essay by the editors on the current state of social psychiatry and where it is heading.

Urban Informatics - Wenzhong Shi 2021-04-06

This open access book is the first to systematically introduce the principles of urban informatics and its application to every aspect of the city that involves its functioning, control, management, and future planning. It introduces new models and tools being developed to understand and implement these technologies

that enable cities to function more efficiently - to become 'smart' and 'sustainable'. The smart city has quickly emerged as computers have become ever smaller to the point where they can be embedded into the very fabric of the city, as well as being central to new ways in which the population can communicate and act. When cities are wired in this way, they have the potential to become sentient and responsive, generating massive streams of 'big' data in real time as well as providing immense opportunities for extracting new forms of urban data through crowdsourcing. This book offers a comprehensive review of the methods that form the core of urban informatics from various kinds of urban remote sensing to new approaches to machine learning and statistical modelling. It provides a detailed technical introduction to the wide array of tools information scientists need to develop the key urban analytics that are fundamental to learning about the smart city, and it outlines ways in which these tools can be

used to inform design and policy so that cities can become more efficient with a greater concern for environment and equity.

Culture and Economics - Eelke de Jong
2013-09-13

Since the early 1990s, culture, in the sense of norms and values, has entered economic analysis again, whereas it was totally absent from mainstream economics during most of the second half of the twentieth century. The disappointing results of mainstream economics and developments in the world economy triggered an awareness of the relevance of the context in which people make decisions. Developments which were triggering this were the unexpected high growth rates in Asia, (the Asian miracle), the transition of previously centrally planned economies and the increased attention for the role of religion after 9/11/2001. Some of the areas this research covers are: The history of culture in economics from Adam Smith to the present The way culture is incorporated

into economic analysis Methods used in empirical analysis on culture and economics Culture as an explanatory factor of cross-country difference in institutions and performance Culture appears to be relevant for explaining differences between otherwise similar countries; in particular OECD-countries. Uncertainty avoidance, for example, significantly explains the relative importance of financial markets. This book is the first that provides an overview of the field of culture and economics and will be of use to postgraduate researchers in the field of economics and culture.

Combating Micronutrient Deficiencies - Brian Thompson 2011

This book, inclusive of 19 chapters, provides discussions on the benefits and limitations of food-based approaches for the prevention and control of micronutrient malnutrition. Different chapters focus on specific relevant topics, including current developments in food-based approaches and their program applications,

relevance of agricultural interventions to nutrition, impact of multi-sectoral programmes with food-based approaches components in alleviating undernutrition and micronutrient malnutrition, animal-source foods as a food-based approach to address nutrient deficiencies, aquaculture's role in improving food and nutrition security, benefits of vegetables and fruits in preventing and combating micronutrient malnutrition, benefits of food-based approaches for overcoming single specific micronutrient deficiencies, and food fortification. This book will be of great use to professionals interested in public health, human nutrition, micronutrient deficiency interventions, food and nutrition security policy interventions, and agricultural research.

Endangered Languages and Languages in Danger - Luna Filipović 2016-10-03

This peer-reviewed collection brings together the latest research on language endangerment and language rights. It creates a vibrant,

interdisciplinary platform for the discussion of the most pertinent and urgent topics central to vitality and equality of languages in today's globalised world. The novelty of the volume lies in the multifaceted view on the variety of dangers that languages face today, such as extinction through dwindling speaker populations and lack of adequate preservation policies or inequality in different social contexts (e.g. access to justice, education and research resources). There are examples of both loss and survival, and discussion of multiple factors that condition these two different outcomes. We pose and answer difficult questions such as whether forced interventions in preventing loss are always warranted or indeed viable. The emerging shared perspective is that of hope to inspire action towards improving the position of different languages and their speakers through research of this kind.

Canada's Top Climate Change Risks - The Expert Panel on Climate Change Risks and

Adaptation Potential 2019-07-04

Canada's Top Climate Change Risks identifies the top risk areas based on the extent and likelihood of the potential damage, and rates the risk areas according to society's ability to adapt and reduce negative outcomes. These 12 major areas of risk are: agriculture and food, coastal communities, ecosystems, fisheries, forestry, geopolitical dynamics, governance and capacity, human health and wellness, Indigenous ways of life, northern communities, physical infrastructure, and water. The report describes an approach to inform federal risk prioritization and adaptation responses. The Panel outlines a multi-layered method of prioritizing adaptation measures based on an understanding of the risk, adaptation potential, and federal roles and responsibilities.

On the Emergence and Understanding of Asian Global Leadership - David De Cremer
2021-07-05

In the twenty-first century, it is necessary for

Asia to step up and assume a larger leadership role on the global stage, commensurate with its economic weight and interests. Eighty-eight percent of the increase in the numbers of the middle class in the next five years will take place in Asia, underscoring the reality that global business and leadership will be colored in significant ways by Asian values, approaches and strategies. This book explores how this may impact our view and conceptual approach to the notion of global leadership. The contributors to this collection explore and examine the concept of global Asian leadership and outcome implications at the societal, corporate and policy-making level. They argue that global leaders will increasingly focus on specific needs, values and strategies that are uniquely Asian, which emphasizes the reality that we most likely will have to redefine our notion of global leadership. This comprehensive study of the integration of Asian and global leadership will benefit those employed in the corporate,

government and educational sectors as well as a broader audience with an interest in leadership, policy-making and economics.

The Noise Handbook - W. Tempest 1985

Security Operations Management - Robert McCrie 2011-03-31

The second edition of Security Operations Management continues as the seminal reference on corporate security management operations. Revised and updated, topics covered in depth include: access control, selling the security budget upgrades to senior management, the evolution of security standards since 9/11, designing buildings to be safer from terrorism, improving relations between the public and private sectors, enhancing security measures during acute emergencies, and, finally, the increased security issues surrounding the threats of terrorism and cybercrime. An ideal reference for the professional, as well as a valuable teaching tool for the security student,

the book includes discussion questions and a glossary of common security terms. Additionally, a brand new appendix contains contact information for academic, trade, and professional security organizations. * Fresh coverage of both the business and technical sides of security for the current corporate environment * Strategies for outsourcing security services and systems * Brand new appendix with contact information for trade, professional, and academic security organizations

Food Spoilage Microorganisms - Clive de W Blackburn 2006-03-21

The control of microbiological spoilage requires an understanding of a number of factors including the knowledge of possible hazards, their likely occurrence in different products, their physiological properties and the availability and effectiveness of different preventative measures. Food spoilage microorganisms focuses on the control of microbial spoilage and

provides an understanding necessary to do this. The first part of this essential new book looks at tools, techniques and methods for the detection and analysis of microbial food spoilage with chapters focussing on analytical methods, predictive modelling and stability and shelf life assessment. The second part tackles the management of microbial food spoilage with particular reference to some of the major food groups where the types of spoilage, the causative microorganisms and methods for control are considered by product type. The following three parts are then dedicated to yeasts, moulds and bacteria in turn, and look in more detail at the major organisms of significance for food spoilage. In each chapter the taxonomy, spoilage characteristics, growth, survival and death characteristics, methods for detection and control options are discussed. Food spoilage microorganisms takes an applied approach to the subject and is an indispensable guide both for the microbiologist and the non-

specialist, particularly those whose role involves microbial quality in food processing operations. Looks at tools, techniques and methods for the detection and analysis of microbial food spoilage Discusses the management control of microbial food spoilage Looks in detail at yeasts, moulds and bacteria

Health Promotion Programs - Society for Public Health Education (SOPHE) 2010-03-18 Health Promotion Programs introduces the theory of health promotion and presents an overview of current best practices from a wide variety of settings that include schools, health care organizations, workplace, and community. The 43 contributors to Health Promotion Programs focus on students and professionals interested in planning, implementing, and evaluating programs that promote health equity. In addition to the focus on best practices, each chapter contains information on: Identifying health promotion programs Eliminating health disparities Defining and applying health

promotion theories and models Assessing the needs of program participants Creating and supporting evidence-based programs Implementing health promotion programs: Tools, program staff, and budgets Advocacy Communicating health information effectively Developing and increasing program funding Evaluating, improving, and sustaining health promotion programs Health promotion challenges and opportunities Health promotion resources and career links "The authors have clearly connected the dots among planning, theory, evaluation, health disparity, and advocacy, and have created a user-friendly toolbox for health promotion empowerment." Ronald L. Braithwaite, PhD, professor, Morehouse School of Medicine, Departments of Community Health and Preventive Medicine, Family Medicine, and Psychiatry "The most comprehensive program planning text to date, this book examines all facets of planning and implementation across four key work

environments where health educators function." Mal Goldsmith, PhD, CHES, professor and coordinator of Health Education, Southern Illinois University, Edwardsville "Health Promotion Programs explores the thinking of some of our field's leaders and confirms its well-deserved place in the field and in our personal collections." Susan M. Radius, PhD, CHES, professor and program director, Health Science Department, Towson University *Crop Stress and its Management: Perspectives and Strategies* - B. Venkateswarlu 2011-11-22 Crops experience an assortment of environmental stresses which include abiotic viz., drought, water logging, salinity, extremes of temperature, high variability in radiation, subtle but perceptible changes in atmospheric gases and biotic viz., insects, birds, other pests, weeds, pathogens (viruses and other microbes). The ability to tolerate or adapt and overwinter by effectively countering these stresses is a very multifaceted phenomenon. In addition, the

inability to do so which renders the crops susceptible is again the result of various exogenous and endogenous interactions in the ecosystem. Both biotic and abiotic stresses occur at various stages of plant development and frequently more than one stress concurrently affects the crop. Stresses result in both universal and definite effects on plant growth and development. One of the imposing tasks for the crop researchers globally is to distinguish and to diminish effects of these stress factors on the performance of crop plants, especially with respect to yield and quality of harvested products. This is of special significance in view of the impending climate change, with complex consequences for economically profitable and ecologically and environmentally sound global agriculture. The challenge at the hands of the crop scientist in such a scenario is to promote a competitive and multifunctional agriculture, leading to the production of highly nourishing, healthy and secure food and animal feed as well

as raw materials for a wide variety of industrial applications. In order to successfully meet this challenge researchers have to understand the various aspects of these stresses in view of the current development from molecules to ecosystems. The book will focus on broad research areas in relation to these stresses which are in the forefront in contemporary crop stress research.

Cultural Differences in a Globalizing World - Michael Minkov 2011-05-27

Explains the relationship between national culture and national differences in crucially important phenomena, such as speed of economic growth, murder rates, and educational achievement. This book also explains differences in suicide rates, road death tolls, female inequality, happiness, and a number of other phenomena.

Aerosol Science - Ian Colbeck 2014-01-30

Aerosols influence many areas of our daily life. They are at the core of environmental problems

such as global warming, photochemical smog and poor air quality. They can also have diverse effects on human health, where exposure occurs in both outdoor and indoor environments.

However, aerosols can have beneficial effects too; the delivery of drugs to the lungs, the delivery of fuels for combustion and the production of nanomaterials all rely on aerosols. Advances in particle measurement technologies have made it possible to take advantage of rapid changes in both particle size and concentration. Likewise, aerosols can now be produced in a controlled fashion. Reviewing many technological applications together with the current scientific status of aerosol modelling and measurements, this book includes:

- Satellite aerosol remote sensing
- The effects of aerosols on climate change
- Air pollution and health
- Pharmaceutical aerosols and pulmonary drug delivery
- Bioaerosols and hospital infections
- Particle emissions from vehicles
- The safety of emerging nanomaterials
- Radioactive aerosols:

tracers of atmospheric processes With the importance of this topic brought to the public's attention after the eruption of the Icelandic volcano Eyjafjallajökull, this book provides a timely, concise and accessible overview of the many facets of aerosol science.

Tuneable Film Bulk Acoustic Wave Resonators - Spartak Gevorgian 2013-02-14

To handle many standards and ever increasing bandwidth requirements, large number of filters and switches are used in transceivers of modern wireless communications systems. It makes the cost, performance, form factor, and power consumption of these systems, including cellular phones, critical issues. At present, the fixed frequency filter banks based on Film Bulk Acoustic Resonators (FBAR) are regarded as one of the most promising technologies to address performance -form factor-cost issues. Even though the FBARs improve the overall performances the complexity of these systems remains high. Attempts are being made to

exclude some of the filters by bringing the digital signal processing (including channel selection) as close to the antennas as possible. However handling the increased interference levels is unrealistic for low-cost battery operated radios. Replacing fixed frequency filter banks by one tuneable filter is the most desired and widely considered scenario. As an example, development of the software based cognitive radios is largely hindered by the lack of adequate agile components, first of all tuneable filters. In this sense the electrically switchable and tuneable FBARs are the most promising components to address the complex cost-performance issues in agile microwave transceivers, smart wireless sensor networks etc. Tuneable Film Bulk Acoustic Wave Resonators discusses FBAR need, physics, designs, modelling, fabrication and applications. Tuning of the resonant frequency of the FBARs is considered. Switchable and tuneable FBARs based on electric field induced piezoelectric

effect in paraelectric phase ferroelectrics are covered. The resonance of these resonators may be electrically switched on and off and tuned without hysteresis. The book is aimed at microwave and sensor specialists in the industry and graduate students. Readers will learn about principles of operation and possibilities of the switchable and tuneable FBARs, and will be given general guidelines for designing, fabrication and applications of these devices.

Functional Polymer Coatings - Limin Wu
2015-06-15

Focusing on a variety of coatings, this book provides detailed discussion on preparation, novel techniques, recent developments, and design theories to present the advantages of each function and provide the tools for better product performance and properties. • Presents advantages and benefits of properties and applications of the novel coating types • Includes chapters on specific and novel coatings, like nanocomposite, surface wettability tunable,

stimuli-responsive, anti-fouling, antibacterial, self-healing, and structural coloring • Provides detailed discussion on recent developments in the field as well as current and future perspectives • Acts as a guide for polymer and materials researchers in optimizing polymer coating properties and increasing product performance

Human Resource Development - Jon M. Werner
2011-10-01

This comprehensive text covers the entire field of human resource development, from orientation and skills training, to career and organizational development. It shows how concepts and theory have been put into practice in a variety of organizations. This sixth edition of HUMAN RESOURCE DEVELOPMENT reflects the current state of the field, blending real-world practices and up-to-date research. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Mediterranean Diet - Victor R. Preedy
2014-11-19

The Mediterranean Diet offers researchers and clinicians a single authoritative source which outlines many of the complex features of the Mediterranean diet: ranging from supportive evidence and epidemiological studies, to the antioxidant properties of individual components. This book embraces a holistic approach and effectively investigates the Mediterranean diet from the cell to the nutritional well-being of geographical populations. This book represents essential reading for researchers and practicing clinicians in nutrition, dietetics, endocrinology, and public health, as well as researchers, such as molecular or cellular biochemists, interested in lipids, metabolism, and obesity. Presents one comprehensive, translational source for all aspects of how the Mediterranean diet plays a role in disease prevention and health Experts in nutrition, diet, and endocrinology (from all areas of academic and medical research) take readers

from the bench research (cellular and biochemical mechanisms of vitamins and nutrients) to new preventive and therapeutic approaches Features a unique section on novel nutraceuticals and edible plants used in the Mediterranean region

General Concepts in Integrated Pest and Disease Management - A. Ciancio 2007-07-20

This, the first volume of the 'Integrated Management of Plant Pests and Diseases' book series, presents general concepts on integrated pest and disease management. Section one includes chapters on infection models, resurgence and replacement, plant disease epidemiology and effects of climate change in tropical environments. The second section includes remote sensing and information technology. Finally, the third section covers molecular aspects of the subject.

Plantation Forestry in the Tropics - Julian Evans
1992

This new edition has been completely revised to

provide up-to-date accounts of silvicultural practices, rural development issues, and the wider role that tree-planting plays. The chapters on agroforestry and protection forestry have been virtually rewritten, while throughout the book the important place of social forestry is recognized.

International Energy Outlook - 1986

Writing a Successful Thesis Or Dissertation

- Fred C. Lunenburg 2008

This comprehensive manual offers direction for every step of the thesis or dissertation process, from choosing an appropriate topic to adapting the finished work for publication.

Good Cascade Impactor Practices, AIM and EDA for Orally Inhaled Products - Terrence P. Tougas
2013-04-10

The purpose of this publication is to introduce a new, simpler and more effective way in which to interpret pharmaceutical aerosol particle size data from orally inhaled products (OIPs).

Currently, the compendial and regulatory requirements dictate the need for measurements by full resolution multi-stage cascade impactor (CI), a process that is demanding for the operator, time consuming, prone to experimental error, and challenging for method transfers from one laboratory to another. Furthermore, we shall show that the current practice of reducing information from mass-weighted aerodynamic particle size distribution (APSD) measurements through the use of CI stage groupings is not the most effective decision-making tool for OIP quality control (QC) in comparison with newly introduced, mutually-independent efficient data analysis (EDA) metrics that can be derived either from full resolution or abbreviated impactor measurements (AIM).

Improving Business Performance With Lean

- James R. Bradley 2012-01-13

This textbook is a concise introduction to the essential concepts and tools used in the "Lean" method of improving business processes; it

constitutes a sufficient "toolkit" to enable a reader to successfully improve business processes in their workplace. While Lean was first applied in manufacturing, arguably evolving out of the Toyota Production System, it is now applied widely to service and administrative processes as well. Lean, in comparison with other business improvement processes such as Six Sigma, relies on intuitive concepts rather than complex mathematics. Thus, a short, non-technical, understandable, and engaging text can successfully convey the essential principles of Lean and empower the reader. Besides describing the concepts of Lean, plentiful examples and brief case studies illustrate the application of Lean in different contexts including manufacturing, healthcare, food service, administrative processes, distribution, and retail. Besides giving a clear idea of how to apply Lean in various contexts, the examples illustrate which Lean tools are most appropriate in the various contexts. This book focuses on

"how" to do Lean in terms of what the Lean tools are and how to apply them. What this book is not is an in-depth coverage of other organizational issues associated with the successful implementation of Lean. Because these issues are important, very brief coverage is included in the Section/Chapter entitled "Other Considerations in Lean." Each subsection in this chapter would be extremely brief and would outline the relevant issues, but in no way would thoroughly discuss these topics. References would be included here for those readers who wish to pursue future study in this area.

Nursing Theorists and Their Work - Martha Raile Alligood 2010

The most comprehensive of its kind, Nursing Theorists and Their Work, 8th Edition provides an in-depth look at 39 theorists of historical, international, and significant importance. Each chapter features a clear, consistent presentation of a key nursing philosophy or theory. Case studies, critical thinking activities, and in-depth

objective critiques of nursing theories help bridge the gap between theory and application. Critical Thinking Activities at the end of each theorist chapter help you to process the theory presented and apply it to personal and hypothetical practice situations. A case study at the end of each theorist chapter puts the theory into a larger perspective, demonstrating how it can be applied to practice. A Brief Summary in each theorist chapter helps you review for tests and confirm your comprehension. A Major Concepts & Definitions box included in each theorist chapter outlines the theory's most significant ideas and clarifies content-specific vocabulary. Each theorist chapter is written by a scholar specializing in that particular theorist's work, often having worked closely with the theorists, to provide the most accurate and complete information possible. Beginning chapters provide a strong foundation on the history and philosophy of science, logical reasoning, and the theory development process.

Diagrams for theories help you visualize and better understand inherently abstract concepts. Pictures of theorists, as well as a listing of contact information for each individual, enables you to contact the source of information directly. Theorist chapters have been reviewed and edited by the theorist, validating the accounts set forth in the text for currency and accuracy. An extensive bibliography at the conclusion of each theorist chapter outlines numerous primary and secondary sources of information, ideal for both undergraduate and graduate research projects. NEW! Quotes from the theorist make each complex theory more memorable. NEW! Chapter on Afaf Meleis profiles a theorist who has shaped theoretical development in nursing and explores her "transition theory." NEW! Need to Know Information is highlighted to streamline long, complex passages and help you review key concepts. NEW! Points for Further Study at the end of each chapter direct you to assets available for additional information.

Safety Report on the Treatment of Safety-critical Systems in Transport Airplanes -

National Transportation Safety Board

2014-02-19

Certification of systems that are critical to the safety of flight has been the focus of several recently concluded National Transportation Safety Board accident investigations of transport-category airplanes: USAir flight 427 in 1999; TWA flight 800 in 2000; Alaska Airlines flight 261 in 2002; and American Airlines flight 587 in 2004. Each of these investigations raised questions about the certification process used by the FAA to determine compliance with airworthiness standards.

Handbook for Arabic Language Teaching Professionals in the 21st Century - Kassem M. Wahba 2017-07-06

Drawing on the collective expertise of language scholars and educators in a variety of subdisciplines, the Handbook for Arabic Language Teaching Professionals in the 21st

Century, Volume II, provides a comprehensive treatment of teaching and research in Arabic as a second and foreign language worldwide. Keeping a balance among theory, research and practice, the content is organized around 12 themes: Trends and Recent Issues in Teaching and Learning Arabic Social, Political and Educational Contexts of Arabic Language Teaching and Learning Identifying Core Issues in Practice Language Variation, Communicative Competence and Using Frames in Arabic Language Teaching and Learning Arabic Programs: Goals, Design and Curriculum Teaching and Learning Approaches: Content-Based Instruction and Curriculum Arabic Teaching and Learning: Classroom Language Materials and Language Corpora Assessment, Testing and Evaluation Methodology of Teaching Arabic: Skills and Components Teacher Education and Professional Development Technology-Mediated Teaching and Learning Future Directions The field faces new challenges

since the publication of Volume I, including increasing and diverse demands, motives and needs for learning Arabic across various contexts of use; a need for accountability and academic research given the growing recognition of the complexity and diverse contexts of teaching Arabic; and an increasing shortage of and need for quality of instruction. Volume II addresses these challenges. It is designed to generate a dialogue—continued from Volume I—among professionals in the field leading to improved practice, and to facilitate interactions, not only among individuals but also among educational institutions within a single country and across different countries.

Trends in Civil Engineering and Challenges for Sustainability - M. C. Narasimhan 2020-09-28
This book comprises selected papers from the International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS) 2019. The book presents latest research in several areas of civil engineering such as

construction and structural engineering, geotechnical engineering, environmental engineering and sustainability, and geographical information systems. With a special emphasis on sustainable development, the book covers case studies and addresses key challenges in sustainability. The scope of the contents makes the book useful for students, researchers, and professionals interested in sustainable practices in civil engineering.

Knowledge-Based Social Entrepreneurship - Mitt Nowshade Kabir 2019-02-22

Social entrepreneurship is on the rise and social enterprises are solving some of the most critical and enduring social problems by using innovative, pragmatic and sustainable business models. Access to knowledge thanks to the Internet and rapid expansion of the knowledge economy are opening new opportunities for social ventures. With knowledge-based social entrepreneurship where knowledge is the primary resource, more pressing social problems

can be addressed by using advanced technologies. This book investigates this emerging concept, possibilities that it holds, its place in today's economy, and links bridges between knowledge, innovation, and social entrepreneurship. Academics, entrepreneurs, students, and NGOs will find the theoretical and practical information presented in this book extremely valuable.

The Routledge International Companion to Multicultural Education - James A. Banks

2009-09-10

This volume is the first authoritative reference work to provide a truly comprehensive international description and analysis of multicultural education around the world. It is organized around key concepts and uses case studies from various nations in different parts of the world to exemplify and illustrate the concepts. Case studies are from many nations, including the United States, the United Kingdom, Canada, Australia, France, Germany,

Spain, Norway, Bulgaria, Russia, South Africa, Japan, China, India, New Zealand, Malaysia, Singapore, Indonesia, Brazil, and Mexico. Two chapters focus on regions - Latin America and the French-speaking nations in Africa. The book is divided into ten sections, covering theory and research pertaining to curriculum reform, immigration and citizenship, language, religion, and the education of ethnic and cultural minority groups among other topics. With forty newly commissioned pieces written by a prestigious group of internationally renowned scholars, The Routledge International Companion to Multicultural Education provides the definitive statement on the state of multicultural education and on its possibilities for the future.

Nano-Antimicrobials - Nicola Cioffi 2012-02-26

There is a high demand for antimicrobials for the treatment of new and emerging microbial diseases. In particular, microbes developing multidrug resistance have created a pressing need to search for a new generation of

antimicrobial agents, which are effective, safe and can be used for the cure of multidrug-resistant microbial infections. Nano-antimicrobials offer effective solutions for these challenges; the details of these new technologies are presented here. The book includes chapters by an international team of experts. Chemical, physical, electrochemical, photochemical and mechanical methods of synthesis are covered.

Moreover, biological synthesis using microbes, an option that is both eco-friendly and economically viable, is presented. The antimicrobial potential of different nanoparticles is also covered, bioactivity mechanisms are elaborated on, and several applications are reviewed in separate sections. Lastly, the toxicology of nano-antimicrobials is briefly assessed.