Making Enterprise Information Management Eim Work For Business A Guide To Understanding Information As An Asset Pdf

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Continuous API Management Mar 31 2020 A lot of work is required to release an API, but the effort doesn't always pay off. Overplanning before an API matures is a wasted investment, while underplanning can lead to disaster. The second edition of this book provides maturity models for individual APIs and multi-API landscapes to help you invest the right human and company resources for the right maturity level at the right time. How do you balance the desire for agility and speed with the need for robust and scalable operations? Four experts show software architects, program directors, and product owners how to maximize the value of their APIs by managing them as products through a continuous lifecycle. Learn which API decisions you need to govern Design, deploy, and manage APIs using an API-as-a-product (AaaP) approach Examine 10 pillars that form the foundation of API product work Learn how the continuous improvement model governs changes throughout an APIâ??s lifetime Explore the five stages of a complete API product lifecycle Delve into team roles needed to design, build, and maintain your APIs Learn how to manage APIs published by your organization

Advanced Reduced Order Methods and Applications in Computational Fluid Dynamics May 14 2021 Reduced order modeling is an important, growing field in computational science and engineering, and this is the first book to address the subject in relation to computational fluid dynamics. It focuses on complex parametrization of shapes for their optimization and includes recent developments in advanced topics such as turbulence, stability of flows, inverse problems, optimization, and flow control, as well as applications. This book will be of interest to researchers and graduate students in the field of reduced order modeling.

Formal Methods in Manufacturing Jul 04 2020 Illustrated with real-life manufacturing examples, Formal Methods in Manufacturing provides state-of-the-art solutions to common problems in manufacturing systems. Assuming some knowledge of discrete event systems theory, the book first delivers a detailed introduction to the most important formalisms used for the modeling, analysis, and control of manufacturing systems (including Petri nets, automata, and max-plus algebra), explaining the advantages of each formal method. It then employs the different formalisms to solve specific problems taken from today's industrial world, such as modeling and simulation,

supervisory control (including deadlock prevention) in a distributed and/or decentralized environment, performance evaluation (including scheduling and optimization), fault diagnosis and diagnosability analysis, and reconfiguration. Containing chapters written by leading experts in their respective fields, Formal Methods in Manufacturing helps researchers and application engineers handle fundamental principles and deal with typical quality goals in the design and operation of manufacturing systems.

IMC Journal Oct 07 2020

Modern Data Strategy Mar 24 2022 This book contains practical steps business users can take to implement data management in a number of ways, including data governance, data architecture, master data management, business intelligence, and others. It defines data strategy, and covers chapters that illustrate how to align a data strategy with the business strategy, a discussion on valuing data as an asset, the evolution of data management, and who should oversee a data strategy. This provides the user with a good understanding of what a data strategy is and its limits. Critical to a data strategy is the incorporation of one or more data management domains. Chapters on key data management domains—data governance, data architecture, master data management and analytics, offer the user a practical approach to data management execution within a data strategy. The intent is to enable the user to identify how execution on one or more data management domains can help solve business issues. This book is intended for business users who work with data, who need to manage one or more aspects of the organization's data, and who want to foster an integrated approach for how enterprise data is managed. This book is also an excellent reference for students studying computer science and business management or simply for someone who has been tasked with starting or improving existing data management.

Foreign Operations, Export Financing, and Related Programs Appropriations for 2002 Jan 28 2020

Board of Contract Appeals Decisions Jul 16 2021 The full texts of Armed Services and othr Boards of Contract Appeals decisions on contracts appeals.

Agile Data Warehousing for the Enterprise May 26 2022 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

Clinical Exercise Physiology Aug 05 2020 Clinical Exercise Physiology, Third Edition, provides a comprehensive look at the clinical aspects of exercise physiology by thoroughly examining the relationship between exercise and chronic disease and addressing diseases and populations that clinical exercise physiologists encounter in their work.

14th International Conference on Intellectual Capital Knowledge Management & Organisational Learning Nov 07 2020

The University of Virginia Edition of the Works of Stephen Crane: Tales of war Jun 22 2019 Contents: The Little Regiment, An Episode of War, Wounds in the Rain, Spitzbergen Tales.

Siebel Interviews Q & A Oct 26 2019
International Competitiveness and Business Techniques in Advanced Optics and Imaging Sep 25 2019

Design Thinking Business Analysis Jun 14 2021 This book undertakes to marry the concepts of "Concept Mapping" with a "Design Thinking" approach in the context of business

analysis. While in the past a lot of attention has been paid to the business process side, this book now focusses information quality and valuation, master data and hierarchy management, business rules automation and business semantics as examples for business innovation opportunities. The book shows how to take "Business Concept Maps" further as information models for new IT paradigms. In a way this books redefines and extends business analysis towards solutions that can be described as business synthesis or business development. Business modellers, analysts and controllers, as well as enterprise information architects, will benefit from the intuitive modelling and designing approach presented in this book. The pragmatic and agile methods presented can be directly applied to improve the way organizations manage their business concepts and their relationships. "This book is a great contribution to the information management community. It combines a theoretical foundation with practical methods for dealing with important problems. This is rare and very useful. Conceptual models that communicate business reality effectively require some degree of creative imagination. As such, they combine the results of business analysis with communication design, as is extensively covered in this book." Dr. Malcolm Chisholm, President at AskGet.com Inc. "Truly understanding business requirements has always been a major stumbling block in business intelligence (BI) projects. In this book, Thomas Frisendal introduces a powerful technique—business concept mapping—that creates a virtual mind-meld between business users and business analysts. Frisendal does a wonderful explaining and demonstrating how this tool can improve the outcome of BI and other development projects ." Wayne Eckerson, executive director, BI Leadership Forum
Enterprise Information Management with SAP Jun 26 2022 Provides you with the tools that show you how to effectively manage your data. From SAP Data Services to various solutions like SAP Power Designer, this title helps you learn what the different solutions are and how they work together. It also offers detailed information on SAP's different EIM solutions to learn what they can do for you.
The Media and Elections Dec 09 2020 This comparative study brings together academics and practitioners who work in the field of media and elections to provide a set of national case studies and an analysis of the legal and regulatory frameworks that are employed by nation states to ensure that the media perform according to certain standards during election periods. In setting out the legal and regulatory framework each chapter provides an account of the socio-political conditions and media environment in each of the countries and subsequently details the laws that govern the print and broadcast media during election campaign periods. The countries included are France, Germany, Italy, Russia, South Africa, the United States, and the United Kingdom. A set of reflections by a Member of the European Parliament and a set of recommendations for good practice in media and elections are also included. Thus, the book is organized to provide a practical guide so that it can be used as a handbook.
Entrepreneurship: Determinants and Policy in a European-US Comparison Aug 24 2019 The cornerstone of the book is the proposed Eclectic Theory of Entrepreneurship. The goal of the Eclectic Theory is to provide a unified framework for understanding and analyzing the determinants of entrepreneurship. The Eclectic Theory of entrepreneurship integrates the different strands from relevant fields into a unifying, coherent framework.
Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations for 2002 Dec 29 2019
Superfund Reauthorization Jan 10 2021
S-BPM ONE - Learning by Doing - Doing by Learning Jun 02 2020 This book constitutes the refereed proceedings of the Third International Conference on Subject-Oriented Business Process Management, S-BPM ONE 2011, held in Ingolstadt, Germany, in September 2011. The papers feature the analysis, modeling, implementation, execution and management of interaction patterns with an explicit stakeholder focus and also embrace themes pertaining to the engineering and management of systems and organizations, particularly with respect to the areas of interaction culture, process-aware information systems, strategic alignment, and governance structures.
XXVI Brazilian Congress on Biomedical Engineering Sep 05 2020 This volume presents the proceedings of the Brazilian Congress on Biomedical Engineering (CBEB 2018). The conference was organised by the Brazilian Society on Biomedical Engineering (SBEB) and held in Armação de Buzios, Rio de Janeiro, Brazil from 21-25 October, 2018. Topics of the proceedings include these 11 tracks: • Bioengineering • Biomaterials, Tissue Engineering and Artificial Organs • Biomechanics and Rehabilitation • Biomedical Devices and Instrumentation • Biomedical Robotics, Assistive Technologies and Health Informatics • Clinical Engineering and Health Technology Assessment • Metrology, Standardization, Testing and Quality in Health • Biomedical Signal and Image Processing • Neural Engineering • Special Topics • Systems and Technologies for Therapy and Diagnosis
Eco-Management Accounting Dec 21 2021 This book is based on a research project sponsored by the European Commission (DG XII, Human Dimension of Environmental Change). It focuses on how companies calculate environmental costs in support of management decisions, exploring the possible contribution that management accounting may make to environmental management in a European context. A conceptual framework is developed within which the relationship between the two activities can be charted and analyzed. The work is based on a survey of 84 European companies and 15 company-based case studies in Italy, Germany, the Netherlands and the UK. The project produced unique empirical materials. It affords important insights into how companies can apply the principles of environmental accounting. It shows where existing accounting structures are helpful and where new sources of information are needed to address the environmental issues with which companies are confronted. It shows the potential usefulness of different accounting concepts and techniques in the environmental area.
20 llengües, 40 relats, 60 anys. L'Escola d'Idiomes Moderns (1953-2013) Nov 27 2019 L'Escola d'Idiomes Moderns de la Universitat de Barcelona és el centre universitari d'idiomes més antic de Catalunya: es va crear l'any 1953. Inicialment impartia formació pràctica en cinc llengües, però amb la creixent internacionalització del món universitari ha ampliat la seva línia d'actuació: actualment ensenya en vint llengües diferents i, a més, ofereix altres serveis lingüístics, com ara l'acreditació dels coneixements. Aquest llibre commemora el seixantè aniversari de l'Escola amb una breu història, seguida de quaranta relats escrits per persones que, al llarg d'aquests anys, hi han estat vinculades. ; The Escola d'Idiomes Moderns of the University of Barcelona is the oldest university language centre in Catalonia, providing practical language teaching since its foundation in 1953. With the increasing internationalisation of the university world, its initial five languages have increased to twenty, together with other language services, such as accreditation. This volume commemorates the sixtieth anniversary of the Escola and offers a brief history of the centre together with forty texts by individuals associated with its activity over this period.
Siebel EIM Blackbook Sep 29 2022
Data Governance Aug 29 2022 Managing data continues to grow as a necessity for modern organizations. There are seemingly infinite opportunities for organic growth, reduction of costs, and creation of new products and services. It has become apparent that none of these opportunities can happen smoothly without data governance. The cost of exponential data growth and privacy / security concerns are becoming burdensome. Organizations will encounter unexpected consequences in new sources of risk. The solution to these challenges is also data governance; ensuring balance between risk and opportunity. Data Governance, Second Edition, is for any executive, manager or data professional who needs to understand or implement a data governance program. It is required to ensure consistent, accurate and reliable data across their organization. This book offers an overview of why data governance is needed, how to design, initiate, and execute a program and how to keep the program sustainable. This valuable resource provides comprehensive guidance to beginning professionals, managers or analysts looking to improve their processes, and advanced students in Data Management and related courses. With the provided framework and case studies all professionals in the data governance field will gain key insights into launching successful and money-saving data governance program. Incorporates industry changes, lessons learned and new approaches Explores various ways in which data analysts and managers can ensure consistent, accurate and reliable data across their organizations Includes new case studies which detail real-world situations Explores all of the capabilities an organization must adopt to become data driven Provides guidance on various approaches to data governance, to determine whether an organization should be low profile, central controlled, agile, or traditional Provides guidance on using technology and separating vendor hype from sincere delivery of necessary

capabilities Offers readers insights into how their organizations can improve the value of their data, through data quality, data strategy and data literacy Provides up to 75% brand-new content compared to the first edition
Siebel Best Practices Manual Nov 19 2021
Making Enterprise Information Management (EIM) Work for Business Oct 31 2022 Making Enterprise Information Management (EIM) Work for Business: A Guide to Understanding Information as an Asset provides a comprehensive discussion of EIM. It endeavors to explain information asset management and place it into a pragmatic, focused, and relevant light. The book is organized into two parts. Part 1 provides the material required to sell, understand, and validate the EIM program. It explains concepts such as treating Information, Data, and Content as true assets; information management maturity; and how EIM affects organizations. It also reviews the basic process that builds and maintains an EIM program, including two case studies that provide a birds-eye view of the products of the EIM program. Part 2 deals with the methods and artifacts necessary to maintain EIM and have the business manage information. Along with overviews of Information Asset concepts and the EIM process, it discusses how to initiate an EIM program and the necessary building blocks to manage the changes to managed data and content. Organizes information modularly, so you can delve directly into the topics that you need to understand Based in reality with practical case studies and a focus on getting the job done, even when confronted with tight budgets, resistant stakeholders, and security and compliance issues Includes applicatory templates, examples, and advice for executing every step of an EIM program

Enterprise Information Management Feb 08 2021 How an organization manages its information is arguably the most important skill in today's dynamic and hyper-competitive environment. In Enterprise Information Management, editor Paul Baan and a team of expert contributors present a holistic approach to EIM, with an emphasis on action-oriented decision making. The authors demonstrate that EIM must be promoted from the top down, in order to ensure that the entire organization is committed to establishing and supporting the systems and processes designed to capture, store, analyze, and disseminate information. They identify three key "pillars" of applications: (1) business intelligence (the information and knowledge management process itself); (2) enterprise content management (company-wide management of unstructured information, including document management, digital asset management, records management, and web content management); and (3) enterprise search (using electronic tools to retrieve information from databases, file systems, and legacy systems). The authors explore EIM from economic and socio-psychological perspectives, considering the "ROI" (return on information) of IT and related technological investments, and the cultural and behavioral aspects through which people and machines interact. Illustrating concepts through case examples, the authors provide a variety of tools for managers to assess and improve the effectiveness of their EIM infrastructure, considering its implications for customer and

client relations, process and system improvements, product and service innovations, and financial performance.
Siebel EIM Guide Apr 24 2022
Jobs for Shared Prosperity Oct 19 2021 In the aftermath of the Arab Spring, when thousands of young women and men fought for the opportunity to realize their aspirations and potential, the question of jobs continues to be crucial in the Middle East and North Africa region. This report uses jobs as a lens to weave together the complex dynamics of employment creation, skills supply, and the institutional environment of labor markets. Consistent with the framework of the 2013 World Development Report on jobs, of which this report is the regional companion, this work goes beyond the traditional links between jobs, productivity, and living standards to include an understanding of how jobs matter for individual dignity and expectations—an aspect that was clearly central to the Arab Spring. Just as important, this report complements the economic perspective with an analysis of political economy equilibrium, with a view to identifying mechanisms that would trigger a reform process. As such, the report has three objectives: First, it seeks to provide an in-depth characterization of the dynamics of labor markets in the Middle East and North Africa and to analyze the barriers to the creation of more and better jobs. It does so by taking a cross-sectoral approach and identifying the distortions and incentives that the many actors—firms, governments, workers, students, education, and training systems—currently face, and which ultimately determine the equilibrium in labor markets. Second, the report proposes a medium term roadmap of policy options that could promote the robust and inclusive growth needed to tackle the structural employment challenge for the region. Third, the report aims to inform and open up a platform for debate on jobs among a broad set of stakeholders, with the ultimate goal of contributing to reach a shared view of the employment challenges and the reform path ahead.
Managing Enterprise Information Technology Acquisitions: Assessing Organizational Preparedness Feb 29 2020 For organizations operating in a modern business environment, adopting the latest information technologies (IT) is of paramount importance. Organizational decision makers are increasingly interested in IT acquisition, constantly seeking the most advanced solutions in order to give their constituents a distinct competitive advantage. Managing Enterprise Information Technology Acquisitions: Assessing Organizational Preparedness provides leaders and innovators with research and strategies to make the most of their options involving IT and organizational management approaches. This book will serve as a critical resource for leaders, managers, strategists, and other industry professionals who must be prepared to meet the constant changes in the field of information technologies in order to effectively guide their organizations and achieve their respective goals.
The British Moralists on Human Nature and the Birth of Secular Ethics Feb 20 2022 Uncovering the historical roots of naturalistic, secular contemporary ethics, in this 2006 volume Michael Gill shows how the British moralists of

the seventeenth and eighteenth centuries completed a Copernican revolution in moral philosophy. They effected a shift from thinking of morality as independent of human nature to thinking of it as part of human nature itself. He also shows how the British Moralists - sometimes inadvertently, sometimes by design - disengaged ethical thinking, first from distinctly Christian ideas and then from theistic commitments altogether. Examining in detail the arguments of Whichcote, Cudworth, Shaftesbury, and Hutcheson against Calvinist conceptions of original sin and egoistic conceptions of human motivation, Gill also demonstrates how Hume combined the ideas of earlier British moralists with his own insights to produce an account of morality and human nature that undermined some of his predecessors' most deeply held philosophical goals.

Advances in Structural and Multidisciplinary Optimization Aug 17 2021 The volume includes papers from the WSCMO conference in Braunschweig 2017 presenting research of all aspects of the optimal design of structures as well as multidisciplinary design optimization where the involved disciplines deal with the analysis of solids, fluids or other field problems. Also presented are practical applications of optimization methods and the corresponding software development in all branches of technology.
Experts' Guide to OS/400 & I5/OS Security Jan 22 2022
The Protection of Working Relationships Jul 24 2019 In recent years it has become clear that many businesses, motivated by avoiding the rigidity and the price tag associated with labour law and social security, have succeeded in eroding the protection of labour law by creating numerous categories of workers classified as non-employees. In 1996 the International Labour Organisation (ILO) adopted Recommendation 198, which asks its Members to undertake action to reduce 'disguised' employment relationships, with the goal of ensuring that those actually working in an employment relationship are actually given the corresponding legal status. Though these are - from a legal approach - two conceptually different phenomena, they are closely related from a social policy point of view. In order to make a substantial contribution to the discussion on these developments a group of noted European labour law scholars has undertaken the research assembled in this book, recommending labour law reforms based on a close examination of existing conditions. The eight authors analyse measures and legal instruments offered by the European Union and the ILO to cover persons performing personal work, as well as specific developments in Belgium, France, The Netherlands, Poland, Germany, and the United Kingdom. In each case they describe viable ways in which categories of persons not treated as employees can be brought under the protection of labour law and how the distinction between employees and self-employed can become more clear. In a concluding final Chapter comparative conclusions are drawn on the basis of this study and recommendations are given to the EU, the ILO and the individual Member States. Among the specific issues covered are the following: * redefining the subordination criterion; * the

role of the courts; * determination of the contract of employment; * forms of labour involving more than two contracting parties (e.g., employment agency arrangements); * the legal position of temporary workers; * 'employee-like' persons, e.g., home-workers or commercial representatives; * the 'bogus' self-employed; * introduction and effect of legal presumptions in labour law and/or social security; * developing uniform criteria for the employment relationship; * criteria for identifying self-employed but economically-dependent workers; * extension of protection of labour law to persons other than employees or the self-employed; and * social rights applicable to all work contracts irrespective of their formal qualification; * floor of core rights. This study seriously contributes toward overcoming the reluctant and piecemeal measures commonly taken to extend the protection of the employment contract. Although the authors acknowledge the continuing tension between labour law protection and the need for a flexible workforce, they also recognize the positive effects of best practices that lead to more certainty, fewer disputes, and clear (but still flexible if necessary) agreements. The book will be warmly welcomed as a signal contribution to addressing what one labour law scholar has called 'the most important industrial relations issue of our time.'

ABCs of IBM z/OS System Programming Jul 28 2022 The ABCs of IBM® z/OS® System Programming is an 11-volume collection that provides an introduction to the z/OS operating system and the hardware architecture. Whether you are a beginner or an experienced system programmer, the ABCs collection provides the information that you need to start your research into z/OS and related subjects. If you want to become more familiar with z/OS in your current environment or if you are evaluating platforms to consolidate your e-business applications, the ABCs collection can serve as a powerful technical tool. Following are the contents of the volumes: Volume 1: Introduction to z/OS and storage concepts, TSO/E, ISPF, JCL, SDSF, and z/OS delivery and installation Volume 2: z/OS implementation and daily maintenance, defining subsystems, JES2 and JES3, LPA, LNKLST, authorized libraries, IBM Language Environment®, and SMP/E Volume 3: Introduction to DFSMS, data set basics, storage management hardware and software, VSAM, System-managed storage, catalogs, and DFSMStvs Volume 4: Communication Server, TCP/IP, and IBM VTAM® Volume 5: Base and IBM Parallel Sysplex®, System Logger, Resource Recovery Services (RRS), global resource serialization (GRS), z/OS system operations, automatic restart management (ARM), and IBM Geographically Dispersed Parallel SysplexTM (IBM GDPS®) Volume 6: Introduction to security, IBM RACF®, digital certificates and public key infrastructure (PKI), Kerberos, cryptography and IBM z9® integrated cryptography, Lightweight Directory Access Protocol (LDAP), and Enterprise Identity Mapping (EIM) Volume 7: Printing in a z/OS environment, Infoprint Server, and Infoprint Central Volume 8: An introduction to z/OS problem diagnosis Volume 9: z/OS UNIX System Services Volume 10: Introduction to IBM z/Architecture®, IBM System z® processor design, System z connectivity, logical partition (LPAR) concepts, hardware configuration definition (HCD), and Hardware Management Console (HMC) Volume 11: Capacity planning, performance management, Workload Manager (WLM), IBM Resource Measurement FacilityTM (RMFTM), and System Management Facilities (SMF)

Snapshot-Based Methods and Algorithms Apr 12 2021 An increasing complexity of models used to predict real-world systems leads to the need for algorithms to replace complex models with far simpler ones, while preserving the accuracy of the predictions. This two-volume handbook covers methods as well as applications. This second volume focuses on applications in engineering, biomedical engineering, computational physics and computer science.

Employment Location in Cities and Regions Mar 12 2021 The focus of this book is the modeling of the location of economic activities, measured in terms of employment, in land-use and transportation systems. These measures are key inputs to models at intra-urban scales of the flows of persons and goods for both urban and transport planning. The models described here are either components of comprehensive models or specialist studies. Economic activities can be defined in terms of jobs or private-sector firms and public service organisations. Different levels of aggregation are used both in terms of organisational and geographical dimensions. In the case of firms and public organizations, a distinction can be made between the organizations themselves and corresponding establishments. For urban simulation models, it is the location of establishments that is important. At the more coarse levels of aggregation that are usually used in comprehensive models, firms and organizations are aggregated into sectors.

Data as a Service May 02 2020 Data as a Service shows how organizations can leverage "data as a service" by providing real-life case studies on the various and innovative architectures and related patterns Comprehensive approach to introducing data as a service in any organization A reusable and flexible SOA based architecture framework Roadmap to introduce 'big data as a service' for potential clients Presents a thorough description of each component in the DaaS reference architecture so readers can implement solutions

Advanced Fitness Assessment and Exercise Prescription Sep 17 2021 Advanced Fitness Assessment and Exercise Prescription, Seventh Edition With Online Video, provides a comprehensive approach to physical fitness appraisal and exercise prescription. The text bridges the gap between research and practice and synthesizes concepts and theories from exercise physiology, kinesiology, measurement, psychology, and nutrition to provide a clearly defined approach to physical fitness testing and the design of individualized exercise programs. The accompanying online videos enhance the learning experience and teach the techniques necessary for conducting fitness testing and program design. More than 40 clips featuring common exercise assessments will help users learn essentials of fitness testing, such as calibration of blood pressure cuffs, functional movement assessment, and push-up and pull-up testing. Unlike introductory texts, which typically focus on field testing for evaluating physical fitness, this text includes both field and laboratory assessment techniques. Readers will find the latest information on maximal and submaximal graded exercise testing in healthy populations, muscular fitness testing protocols and norms for children and adults, and field tests and norms for evaluating cardiorespiratory fitness, muscular fitness, body composition, flexibility, and balance. The seventh edition of Advanced Fitness Assessment and Exercise Prescription reflects current guidelines and recommendations, including new physical activity recommendations from the U.S. government, American Heart Association, and American College of Sports Medicine (ACSM), as well as the latest ACSM guidelines for medical exam and exercise testing requirements before beginning exercise programs. Additional updates to the seventh edition include the following: • New research substantiating the link between physical activity and disease risk • Expanded information on prediabetes, metabolic syndrome, osteoporosis, and overweight and obesity, including updated statistics on the global prevalence of obesity • New dietary guidelines for Americans, including information on MyPlate • Inclusion of SCORE system to estimate 10-year risk of fatal cardiac event due to atherosclerosis • Expanded information on the use of technology to monitor physical activity • Updated information on the use of exergaming and social networking to promote physical activity and exercise • Additional OMNI pictorial scales for ratings of perceived exertion during exercise • Latest ACSM FITT-VP principle for designing aerobic exercise programs • Whole-body vibration as an adjunct to resistance training and flexibility training Advanced Fitness Assessment and Exercise Prescription, Seventh Edition, is organized around physical fitness components, providing information on assessment followed by guidelines for designing exercise programs to improve each fitness component. The text begins with an overview of physical activity, health, and chronic disease, followed by discussion of preliminary health screening and risk classification, including the principles of fitness assessment, exercise prescription, and exercise program design. The remainder of the text provides in-depth coverage of assessment and exercise prescription for each of five physical fitness components: cardiorespiratory endurance, muscular fitness (strength, endurance, and power), body composition, flexibility, and balance. In each chapter, key questions help readers focus on essential information. Key points, review questions, and key terms reinforce concepts and summarize chapter content. An instructor guide, test package, chapter quizzes, and presentation package plus image bank provide tools for lecture preparation, creative content delivery, and class assessment. New to the seventh edition are online video clips for both students and instructors to further aid comprehension of the text and provide an additional tool for classroom demonstration. By integrating the latest research, recommendations, and information into guidelines for application, Advanced Fitness Assessment and Exercise Prescription, Seventh Edition, bridges the gap

between research and practice for fitness professionals. Its unique scope, depth of coverage, and clearly outlined approach make it a valuable resource for students and exercise science professionals who want to increase their knowledge, skill, and competence in assessing clients' fitness and designing individualized exercise programs.