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Issues and Solutions in Software Application Development

Explore "Issues and Solutions in Software Application Development during SDLC" as developers come together to share their experiences, challenges, and solutions encountered during the process of building applications. Through a series of engaging dialogues, you will gain valuable insights from the experts in the field of software development. Discover the real-world issues faced by developers and learn how they tackled them using Java, Spring Boot, Microservices, Kafka, testing, and deployment techniques. This book offers a fresh and interactive approach to learning, presenting practical solutions and best practices straight from the voices of those who have been in the trenches. Whether you are a beginner looking to understand the intricacies of application development or an experienced developer seeking new perspectives, this book provides a wealth of knowledge and experiences that will empower you in your journey. Dive into the world of software development through the conversations of passionate developers who have navigated the challenges and triumphs of the software development life cycle. Gain a deeper understanding of industry-standard technologies and practices while benefiting from the collective wisdom of this diverse group of professionals. Join the conversation and elevate your skills as you embark on this enlightening journey with Voices of Development: Insights from the Experts.

Signal

Build robust, scalable ASP.NET applications quickly and easily.

ASP.NET 3.5 Application Architecture and Design

Application Performance Management (APM) in the Digital Enterprise enables IT professionals to be more successful in managing their company's applications. It explores the fundamentals of application management, examines how the latest technological trends impact application management, and

provides best practices for responding to these changes. The recent surge in the use of containers as a way to simplify management and deploy applications has created new challenges, and the convergence of containerization, cloud, mobile, virtualization, analytics, and automation is reshaping the requirements for application management. This book serves as a guide for understanding these dramatic changes and how they impact the management of applications, showing how to create a management strategy, define the underlying processes and standards, and how to select the appropriate tools to enable management processes. Offers a complete framework for implementing effective application management using clear tips and solutions for those responsible for application management Draws upon primary research to give technologists a current understanding of the latest technologies and processes needed to more effectively manage large-scale applications Includes real-world case studies and business justifications that support application management investments

Application Performance Management (APM) in the Digital Enterprise

A comprehensive and insightful approach enabling finance managers to contribute to business performance and valuation In *Financial Management: Partner in Driving Performance and Value*, experienced financial executive and consultant Jack Alexander delivers a fresh, new take on improving performance and creating shareholder value for CFOs, controllers, C-suite executives, and FP&A professionals. In the book, you'll learn about best practices in operational and strategic planning, forecasting, enterprise performance management, business valuation, capital investment, mergers and acquisitions, developing finance talent, supporting growth, and more. Frameworks for dealing with the pace of change and level of uncertainty in today's environment are also provided, including scenario planning, business agility and monitoring external forces. The book provides actionable insights and practical tools for finance professionals to contribute as trusted advisors and business partners. The author offers free access to financial models in Microsoft Excel and PowerPoint templates on the accompanying website, as well as: Expanded and enhanced content from the author's widely read previous works Models, illustrations, examples, and dashboards Anecdotes and stories drawn from the author's 45-year-long career in financial leadership Perfect for CFOs, controllers, financial executives, financial planning and analysis professionals, and accounting managers, *Financial Management* is also the ideal desk reference for treasurers, strategic planners, Certified Public Accountants, and equity research analysts. It's an essential and timely resource for financial leaders everywhere.

Financial Management

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The objective of this book is to advance the current knowledge of sensor research particularly highlighting recent advances, current work, and future needs. The goal is to share current technologies and steer future efforts in directions that will benefit the majority of researchers and practitioners working in this broad field of study.

Sensors: Theory, Algorithms, and Applications

This book presents the principal structure, networks and applications of the Global Aeronautical Distress and Safety System (GADSS) for enhanced airborne Communication, Navigation and Surveillance (CNS). It shows how their implementation works to ensure better security in flight and on the airports surface; improved aircraft tracking and determination in real space and time; and enhanced distress alerting, safety; and Search and Rescue (SAR) system for missing, hijacked and landed aircraft at sea or on the ground. Main topics of this book are as follows: an overview of radio and satellite systems with retrospective to aeronautical safety; security and distress systems; space segment with all aspects regarding satellite orbits and infrastructures; transmission segment of radio and satellite systems; ground segment of radio and earth ground stations; airborne radio and satellite antenna systems and propagation; aeronautical VHF and HF Radio CNS systems and networks; Inmarsat, Iridium and Cospas-Sasrast aeronautical satellite CNS systems and networks; Aeronautical Global Satellite Augmentation System (GSAS) and networks; Digital Video Broadcasting - Return Channel via Satellite (DVB-RCS) standards and Aeronautical Stratospheric Platform Systems (SPS) and networks.

Global Aeronautical Distress and Safety Systems (GADSS)

Interest in constrained optimization originated with the simple linear programming model since it was practical and perhaps the only computationally tractable model at the time. Constrained linear optimization models were soon adopted in numerous application areas and are perhaps the most widely used mathematical models in operations research and management science at the time of this writing. Modelers have, however, found the assumption of linearity to be overly restrictive in expressing the real-world phenomena and problems in economics, finance, business, communication, engineering design, computational biology, and other areas that frequently demand the use of nonlinear expressions and discrete variables in optimization models. Both of these extensions of the linear programming model are NP-hard, thus representing very challenging problems. On the brighter side, recent advances in algorithmic and computing technology make it possible to re visit these problems with the hope of solving practically relevant problems in reasonable amounts of computational time. Initial attempts at solving nonlinear programs concentrated on the development of local optimization methods guaranteeing globality under the assumption of convexity. On the other hand, the integer programming literature has concentrated on the development of methods that ensure global optima. The aim of this book is to marry the advancements in solving nonlinear and integer programming models and to develop new results in the more general framework of mixed-integer nonlinear programs (MINLPs) with the goal of devising practically efficient global optimization algorithms for MINLPs.

Convexification and Global Optimization in Continuous and Mixed-Integer Nonlinear Programming

This is the only global roadmap that identifies the technical and manufacturing challenges associated with the development and expansion of commercial markets for ceramics and glass. Featuring presentations by industry leaders at the 1st International Congress on Ceramics (ICC) held in 2006, it suggests positive, proactive ways to address these challenges. The ICC Global Roadmap contains the following content: 1) Summary papers prepared by the invited speakers before the meeting 2) A detailed account of the presentation of each invited speaker written by an editor who attends the presentation 3) A summary account and future recommendations for the industry on each topic covered written by the board and the president of this meeting, Dr. Stephen Freiman (National Institutes of Standards and Technology) 4) The CD Rom accompanying the book contains all of the above as well as pdfs of the presentations for non-invited speakers, including posters presented and discussed.

Global Roadmap for Ceramic and Glass Technology

This monograph deals with a general class of solution approaches in deterministic global optimization, namely the geometric branch-and-bound methods which are popular algorithms, for instance, in Lipschitzian optimization, d.c. programming, and interval analysis. It also introduces a new concept for the rate of convergence and analyzes several bounding operations reported in the literature, from the theoretical as well as from the empirical point of view. Furthermore, extensions of the prototype algorithm for multicriteria global optimization problems as well as mixed combinatorial optimization problems are considered. Numerical examples based on facility location problems support the theory. Applications of geometric branch-and-bound methods, namely the circle detection problem in image processing, the integrated scheduling and location makespan problem, and the median line location

problem in the three-dimensional space are also presented. The book is intended for both researchers and students in the areas of mathematics, operations research, engineering, and computer science.

Deterministic Global Optimization

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Annotation * Unique guide to one of the Middle East's main business and financial centres * Assessment of investment opportunities in the seven Emirates * Up-to-date guide to the regulatory and tax regime and the rules of business engagement * Profiles of the UAE's industry sectors and some of its most dynamic companies * Written by professionals with on-the-ground experience * Of interest to professional investors, international companies, analysts, consultants, law firms, banks, accountants, and business academics "Doing Business with the United Arab Emirates" is the definitive English language guide to investment potential, commercial opportunity and business practice in the seven Emirates. The fact that the UAE played host to the recent annual meeting of the Board of Governors of the World Bank and the International Monetary Fund, confirmed that the world's leading financial and business authorities clearly see the crucial importance of the UAE as a global business center. Despite the recent invasion of Iraq, international investment flows are still being encouraged into the region -- something that "Doing Business with the UAE" aims to promote concretely. The book also highlights that the UAE has now developed a highly sophisticated, forward looking economy and a society seeking to capitalize upon the unique assets at its command. With its progressive business environment, an increasingly diversified economy, modern infrastructure and sound legal system, the UAE is asserting itself as the primary location for business in the highly competitive Arab Gulf region. Endorsed by the Arab-British Chamber of Commerce Contributors include: Ahli United Bank, Al Masood Group, Ernst & Young, Emirates Industrial Bank, BAe Systems, Hay Management Consultants, Cluttons.

Doing Business with the United Arab Emirates

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Official Gazette of the United States Patent and Trademark Office

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Wireless Satellite Monthly Newsletter November 2009

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While liquid drugs do not share the compression problems of solid dosage forms, the filling problems of powder dosage forms, or the consistency problems of semisolid dosage forms, they do have their own set of considerations in the formulation and manufacturing stages. Highlights from Liquid Products, Volume Three include: practical details invo

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Many engineering, operations, and scientific applications include a mixture of discrete and continuous decision variables and nonlinear relationships involving the decision variables that have a pronounced effect on the set of feasible and optimal solutions. Mixed-integer nonlinear programming (MINLP) problems combine the numerical difficulties of handling nonlinear functions with the challenge of optimizing in the context of nonconvex functions and discrete variables. MINLP is one of the most flexible modeling paradigms available for optimization; but because its scope is so broad, in the most general cases it is hopelessly intractable. Nonetheless, an expanding body of researchers and practitioners — including chemical engineers, operations researchers, industrial engineers, mechanical engineers, economists, statisticians, computer scientists, operations managers, and mathematical programmers — are interested in solving large-scale MINLP instances.

Handbook of Pharmaceutical Manufacturing Formulations

International businesses struggle to be competitive and influential at the global market level. With the new ideas in the management and leadership disciplines, hard skills are losing or are believed to be losing their strategic relevance while soft skills are praised and highly sought after. The Handbook of Research on International Business and Models for Global Purpose-Driven Companies, a pivotal reference source, provides vital research on international business management strategies and applications within internal organizations that allow companies to strategically position themselves for increased success in the global economy. While highlighting topics such as organizational culture, internal communication, and generational workforce, this publication explores leadership disciplines as well as the methods of handling multicultural organizations. This book is ideally designed for entrepreneurs, executives, managers, business professionals, human resource officials, researchers, academicians, and students.

FCC Record

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Mergent Industrial Manual

2019 marked the 85th anniversary of Heinrich Freiherr von Stackelberg's habilitation thesis "Marktform und Gleichgewicht," which formed the roots of bilevel optimization. Research on the topic has grown tremendously since its introduction in the field of mathematical optimization. Besides the substantial advances that have been made from the perspective of game theory, many sub-fields of bilevel optimization have emerged concerning optimal control, multiobjective optimization, energy and electricity markets, management science, security and many more. Each chapter of this book covers a specific aspect of bilevel optimization that has grown significantly or holds great potential to grow, and was written by top experts in the corresponding area. In other words, unlike other works on the subject, this book consists of surveys of different topics on bilevel optimization. Hence, it can serve as a point of departure for students and researchers beginning their research journey or pursuing related projects. It also provides a unique opportunity for experienced researchers in the field to learn about the progress made so far and directions that warrant further investigation. All chapters have been peer-reviewed by experts on mathematical optimization.

Mixed Integer Nonlinear Programming

Global Warming: Engineering Solutions goes beyond the discussion of what global warming is, and offers complete concrete solutions that can be used to help prevent global warming. Innovative engineering solutions are needed to reduce the effects of global warming. Discussed here are proposed engineering solutions for reducing global warming resulting from carbon dioxide pollution, poor energy and environment policies and emission pollution. Solutions discussed include but are not limited to: energy conversion technologies and their advantages, energy management and conservation, energy saving and energy security, renewable and sustainable energy technologies, emission reduction, sustainable development; pollution control and measures, policy development, global energy stability and sustainability.

Handbook of Research on International Business and Models for Global Purpose-Driven Companies

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Make Your First Step into ERP a Success with PeopleSoft 8 Implementing and supporting any ERP system means an enormous investment of money, time, and personnel, and PeopleSoft is no exception. Understanding PeopleSoft 8 is the resource you need to make sure your investment pays off. Inside, ERP and PeopleSoft experts teach you how to prepare your organization for the changes ERP brings, to lead it through the PeopleSoft implementation process, and keep it on track with world-class support and an eye to the future. Coverage includes: The history and nature of ERP systems Advantages and special capabilities of PeopleSoft applications Building a business case for purchasing PeopleSoft Setting goals for the implementation Measuring and ensuring your return on investment Resources required for a successful implementation The ERP implementation—structure and process Technical architecture of the PeopleSoft applications Components, features, and functions of the PeopleSoft application Key implementation success factors Supporting users after the product is implemented The future of ERP systems and PeopleSoft

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The year 2010 was a landmark in the history of digital libraries because for the first time this year the ACM/IEEE Joint Conference on Digital Libraries (JCDL) and the annual International Conference on Asia-Pacific Digital Libraries (ICADL) were held together at the Gold Coast in Australia. The combined conferences provided an opportunity for digital library researchers, academics and professionals from across the globe to meet in a single forum to disseminate, discuss, and share their valuable research. For the past 12 years ICADL has remained a major forum for digital library researchers and

professionals from around the world in general, and for the Asia-Pacific region in particular. Research and development activities in digital libraries that began almost two decades ago have gone through some distinct phases: digital libraries have evolved from mere networked collections of digital objects to robust information services designed for both specific applications as well as global audiences. Consequently, researchers have focused on various challenges ranging from technical issues such as networked infrastructure and the creation and management of complex digital objects to user-centric issues such as usability, impact and evaluation. Simultaneously, digital preservation has emerged and remained as a major area of influence for digital library research. Research in digital libraries has also been influenced by several socio-economic and legal issues such as the digital divide, intellectual property, sustainability and business models, and so on. More recently, Web 2.

Bilevel Optimization

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Iraq Telecom Monthly Newsletter March 2010

The book treats the theory of attractors for non-autonomous dynamical systems. The aim of the book is to give a coherent account of the current state of the theory, using the framework of processes to impose the minimum of restrictions on the nature of the non-autonomous dependence. The book is intended as an up-to-date summary of the field, but much of it will be accessible to beginning graduate students. Clear indications will be given as to which material is fundamental and which is more advanced, so that those new to the area can quickly obtain an overview, while those already involved can pursue the topics we cover more deeply.

Global Warming

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